BANKING & OFFICE EQUIPMENT

Full description and technical specifications for:
Banknote Counters and Sorters / Detectors / Coin Counters and Sorters / Shredders / Binders / Laminators
VER. 12 / 2012
### Banking Equipment

<table>
<thead>
<tr>
<th>02</th>
<th>24</th>
<th>46</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BANKNOTE COUNTERS AND SORTERS</strong></td>
<td><strong>CURRENCY DETECTORS</strong></td>
<td><strong>COIN COUNTERS AND SORTERS</strong></td>
</tr>
<tr>
<td>02 / PRO 15</td>
<td>24 / PRO-4P</td>
<td>46 / PRO CS-80</td>
</tr>
<tr>
<td>02 / PRO 35</td>
<td>24 / PRO-4</td>
<td>48 / PRO CS-100A</td>
</tr>
<tr>
<td>04 / PRO 40 Series</td>
<td>24 / PRO-7</td>
<td>48 / PRO CS-200A</td>
</tr>
<tr>
<td>06 / PRO 57 Series</td>
<td>24 / PRO-4S</td>
<td>50 / PRO CS-900S</td>
</tr>
<tr>
<td>08 / PRO 85 Series</td>
<td>26 / PRO-12 Series</td>
<td>24 / PRO-4P</td>
</tr>
<tr>
<td>10 / PRO 95 Series</td>
<td>28 / PRO-CL16 Series</td>
<td>48 / PRO CS-100A</td>
</tr>
<tr>
<td>12 / PRO 100 Series</td>
<td>30 / PRO 1500 Series</td>
<td>48 / PRO CS-200A</td>
</tr>
<tr>
<td>14 / PRO MAC</td>
<td>32 / PRO COBRA Series</td>
<td>50 / PRO CS-900S</td>
</tr>
<tr>
<td>16 / PRO 40 MIX EURO</td>
<td>34 / PRO CL-16 IR Series</td>
<td>52 / PRO CS-80</td>
</tr>
<tr>
<td>18 / PRO 86 MIX EURO</td>
<td>36 / MONIRON DEC EURO</td>
<td>46 / PRO CS-80</td>
</tr>
<tr>
<td>20 / PRO MIX EURO</td>
<td>38 / MONIRON DEC MULTI</td>
<td>48 / PRO CS-100A</td>
</tr>
<tr>
<td>22 / PRO Nekson 2V</td>
<td>40 / PRO CL-200 Series</td>
<td>48 / PRO CS-200A</td>
</tr>
<tr>
<td></td>
<td>42 / PRO 310A MULTI</td>
<td>50 / PRO CS-900S</td>
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<td></td>
<td>44 / PRO CL-400A MULTI</td>
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</table>

### Office Equipment

<table>
<thead>
<tr>
<th>52</th>
<th>64</th>
<th>70</th>
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<tbody>
<tr>
<td><strong>PAPER SHREDDERS</strong></td>
<td><strong>BINDERS</strong></td>
<td><strong>LAMINATORS</strong></td>
</tr>
<tr>
<td>52 / PRO JuJu</td>
<td>64 / PRO B-10</td>
<td>70 / PRO MS-A5</td>
</tr>
<tr>
<td>54 / PRO KGB 1500 Series</td>
<td>64 / PRO B-12</td>
<td>70 / PRO MS-A4</td>
</tr>
<tr>
<td>56 / PRO KGB 2005C</td>
<td>64 / PRO B-15</td>
<td>70 / PRO MS-A3</td>
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<tr>
<td>56 / PRO KGB 2408C+CD</td>
<td>65 / PRO B-16S</td>
<td>70 / PRO MS-A3+</td>
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<td>58 / PRO KGB C-CC Series</td>
<td>65 / PRO BM-16</td>
<td>70 / PRO MS-A2</td>
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<td>60 / PRO KGB 4012C</td>
<td>66 / PRO B-25S</td>
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<tr>
<td>60 / PRO KGB 4006CC</td>
<td>66 / PRO B-30SE</td>
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<td>62 / PRO TERMINATOR Series</td>
<td>68 / PRO BP-20 MULTI</td>
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</tr>
<tr>
<td></td>
<td>68 / PRO BP-E26 MULTI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>68 / PRO BS Series</td>
<td></td>
</tr>
<tr>
<td></td>
<td>68 / PRO B-MULTI</td>
<td></td>
</tr>
</tbody>
</table>
PRO 15
Smallest Banknote Counter

An adapter for the socket of a car’s adapter allows this counter/detector to be used on the move.

PRO 35
2 в 1: Counter & Detector

The counter comes with an efficient case to protect the machine during transportation.

A magnetic sensor checks for the presence of magnetic strips in banknotes.

2 in 1: Counter & Detector

Smallest Banknote Counter

A sound is made if a suspicious banknote is found during ultraviolet light detection.

In order to count more banknotes than can be fed into the machine at one time, press the “ADD” button. The results will be automatically added to the previous number of counted banknotes.

A magnetic sensor checks for the presence of magnetic strips in banknotes.
PRO 15 / PRO 35
Compact Banknote Counter

ADVANTAGES

- It has a convenient construction
- It can be powered by a car adapter or battery*.
- Easy to use ➤ This is a compact and multifunctional device with a banknote counter and counterfeit detector** ➤ A sound will indicate any suspicious banknotes ➤ The device is equipped with a 12V car adapter for use in a car ➤ Side banknote feeding mode

* PRO 15
** PRO 35

FUNCTIONS

- Capable of counting multiple currencies (EURO, USD and others) ➤ Can add results of different counting sessions together for a cumulative total. ➤ Manual start mode ➤ Can count A5 sized paper, including receipts, forms, leaflets, etc. ➤ Ultraviolet detection** ➤ Magnetic counterfeit detection** ➤ Checks for watermarks, micro perforations with a white backlight**

** PRO 35

APPLICATION

The PRO 35 is ideal for use in small shops and offices. The device is also well suited for mobile commerce. It is compact and convenient, while providing both counting and counterfeit detection functions.

TECHNICAL SPECIFICATION

PRO 15

- Ultraviolet detection / level
- Magnetic detection / level
- Verification under fluorescent backlight
- Suitable banknote size, mm: from 55x120 to 105x160
- Counting speed, Banknotes /min.: 900
- Hopper capacity, Banknotes: 100
- Stacker capacity, Banknotes: 100
- LED counting display (digit): 3
- Mobile power source: Batteries AAx4
- Power supply, V/Hz: ~110-230/50-60
- Cable adapter: ~110-230V/6V (800mA)
- Dimensions, mm: 75 x 190 x 102
- Net weight, kg: 0.45

PRO 35

- Ultraviolet detection / level
- Magnetic detection / level ➤ + / regulator
- Verification under fluorescent backlight ➤ a
- Suitable banknote size, mm: from 55x120 to 105x160
- Counting speed, Banknotes /min.: 900
- Hopper capacity, Banknotes: 100
- Stacker capacity, Banknotes: 100
- LED counting display (digit): 3
- Mobile power source: Car adapter included in the kit
- Power supply, V/Hz: ~110-230V/12V (800mA)
- Cable adapter: ~110-230V/12V (800mA)
- Dimensions, mm: 180 x 196 x 102
- Net weight, kg: 0.68

COST LEVEL

PRO 15: Compact Banknote Counter

COST LEVEL

PRO 35

On the Job or for Holidays

The PRO 15 has gained its popularity not only as a reasonably priced device for counting banknotes, but also as a unique gift for business partners.

PRO 15 could be also used as a corporative present: you just need to address to any company, dealing with souvenir productions, which could mark your company's logotype on a corpus of the device.

OUR RECOMMENDATIONS

Be sure to test the PRO 15 / PRO 35 when counting non-currency documents, as A6 sized paper can vary greatly in quality.
PRO 40

A Full-Scale Device with an Accessible Price

PRO 40 is now equipped with an external display allowing the user to organize his/her workplace to be as convenient as possible.

The specially designed riffling section allows the device to offer full functionality and capacity at a reduced size. The design is adept at sorting, even when only a few banknotes are placed into the system.

A compact and efficient motor has been incorporated into this model.

The PRO 40 is ideal for accounting departments and general office use because of its convenient size and its low noise level.

The PRO 40UMI is capable of using IR, UV and MG detection to examine 800 banknotes per minute, and alerts the cashier of any suspicious banknotes.

The specially designed riffling section allows the device to offer full functionality and capacity at a reduced size. The design is adept at sorting, even when only a few banknotes are placed into the system.
The PRO 40U NEO is an ideal model for fast and cost-effective handling of banknotes while ensuring the authenticity of banknotes. The external display, included in all PRO 40 Series models, can be placed to be visible to the cashier, the customer, or both.

**ADVANTAGES**
- Designed for ease of use.
- It has a low noise level while counting.
- The sensor has 3 different sensitivity levels: high, medium and low. This allows banknotes of varying degrees of wear and tear to be scanned.
- Includes 2 separate 3 digit displays (counting and batch).
- A sound will indicate any suspicious banknotes.
- Rear banknote feeding mode.
- External display included in the kit.

**FUNCTIONS**
- Capable of counting multiple currencies (EURO, USD, RUR and others).
- Summation mode.
- Batch mode.
- Automatic start mode.

**APPLICATION**
- Designed for use in accounting departments, small offices, or by cashiers.

### TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th></th>
<th>PRO 40UMI</th>
<th>PRO 40UM</th>
<th>PRO 40U</th>
<th>PRO 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrared detection</td>
<td>✔</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Magnetic detection</td>
<td>✔</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ultraviolet detection</td>
<td>✔</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Optical density detection</td>
<td>✔</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Double banknotes detection</td>
<td>✔</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Chained banknotes detection</td>
<td>✔</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Half banknote detection</td>
<td>✔</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Counting speed, Banknotes/min.</td>
<td>800</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hopper capacity, Banknotes</td>
<td>100</td>
<td>-</td>
<td>100</td>
<td>-</td>
</tr>
<tr>
<td>Stacker capacity, Banknotes</td>
<td>100</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Suitable banknote size, mm</td>
<td>from 50x120 to 85x160 (from 2&quot; x 4 1/2&quot; to 3 1/3&quot; x 6 1/3&quot;)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LED counting display (digit)</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LED batch display (digit)</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>~220/50 (-110/60 for U.S.)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>40</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>225x290x140 (8 9/10&quot;(L) x 11 2/5&quot;(W) x 5 ½&quot;(H))</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>4.3 (9.5lbs)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Quality and Functionality at an Affordable Price: The Mission is Possible**

Before the appearance of the PRO 40 Series, it was impossible to find a quality banknote counter that was right for small business. Business owners were forced to choose between expensive and large counters designed for banks and corporations or poor quality low-end models. Neither choice fit the bill.

Banknote counters in financial institutions are required to work for extended periods of time, yet are often unable to justify the required investment due to needling long periods of time to cool down. Cheaper counters were more accessible, but did not possess the necessary functions to fulfill all of the consumers’ needs.

Recognizing the difficult situation this places consumers in, we set about solving the problem. To meet the goal of a functional and affordable device, our engineers were tasked with completely replacing the traditional design of the standard banknote counter’s engine.

The new series of banknote counters that has emerged proves that functionality and economics can work together. These counters have quickly earned the customers’ confidence and have become very popular.
The external display allows for organization of working space to be convenient for the cashier and for customers. This allows for the results of scanning banknotes to be easily displayed to customers.

The control panel allows the user to program specific quantities of banknotes to be scanned, with audio alerts for any errors.

The riffling mechanism is mounted on a unique metal frame to guarantee quality construction and a longer life for the device.

A suspicious banknote is always placed on the top of a stack and is never included in the final calculation. It helps to prevent the need for a second counting and economizes the user’s time and the machine’s resources.

Cashiers can quickly insert banknotes according to the provided guides, which are adjustable for currencies of differing sizes.
The PRO 57 Series utilize bearings that are vacuum packed for moisture and dust protection, making it a more reliable and durable machine for use in any situation.

### ADVANTAGES

- An external display included in the kit*
- Banknote guides in the hopper
- Includes 2 separate displays
- A sound and an error code will indicate any suspicious banknotes*
- A suspicious banknote is always placed on the top of a stack and is never included in the final result
- 3 counting speeds
- Rear banknote feeding mode

*PRO 57U, PRO 57 UM/S

### FUNCTIONS

- Capable of counting different kinds of currencies
- Batch mode
- Summation mode
- Batch extension mode (number keys from 0 to 9)
- Able to review the previously counted stack
- Manual and automatic start modes

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Function</th>
<th>PRO 57</th>
<th>PRO 57U</th>
<th>PRO 57UM/S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnetic detection, currency / level</td>
<td>–</td>
<td>–</td>
<td>USD, EUR / 10</td>
</tr>
<tr>
<td>Detection of magnetic stripe, currency</td>
<td>–</td>
<td>–</td>
<td>EUR</td>
</tr>
<tr>
<td>Ultraviolet detection / level</td>
<td>–</td>
<td>* / 10</td>
<td>* / 10</td>
</tr>
<tr>
<td>Optical density detection / level</td>
<td>* / 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chained banknotes detection</td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Half banknote detection</td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Double banknotes detection</td>
<td>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counting speed, Banknotes/min.</td>
<td>800 / 1200 / 1500</td>
<td>150</td>
<td></td>
</tr>
<tr>
<td>Hopper capacity, Banknotes</td>
<td>200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stackable banknote size, Banknotes</td>
<td>150</td>
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<tr>
<td>Suitable banknote size, mm</td>
<td>from 55x100 up to 85x180mm (from 2 1/5&quot;x4&quot; to 3 1/3&quot;x7&quot;)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>LED counting display (digit)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED batch display (digit)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>-220/50 (-110/60 for U.S.)</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>Power consumption, W</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>250 x 290 x 170 (9 4/5&quot; x 6 7/10&quot; x 11 3/8&quot;)</td>
<td>5.5 (12.1lbs)</td>
<td></td>
</tr>
<tr>
<td>Net weight, kg</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### APPLICATION

The PRO 57 series offers moderately priced and reliable choices for companies with a medium range of cash turnover.

An Ideal Model for Retail: Compact, Quiet, and Reliable

The PRO 57 series provides the optimal choice for processing moderate cash turnover due to its functionality and excellent price-to-quality ratio. The device incorporates sturdy metal construction to prevent breaking and increase durability and reliability.

The innovative construction allows the machine to run quietly at full capacity to avoid disturbing the office or shop's atmosphere. Capable of counting 1,500 banknotes per minute, the PRO 57 series is sure to be the right fit for a wide variety of situations.
An external display provides flexibility for operation and a magnifier allows for banknotes to be checked with up to 10-x magnification under ultraviolet or white light. The magnifier can work from the counter or batteries.

With magnetic detection capabilities, these devices are ideally suited for working with US dollars or EUROs at up to 1,500 banknotes per minute without interruption.

The device can be calibrated to detect a chosen currency at the push of a button. When counting different currencies, it is possible to turn off the device’s filters.

5 Kinds of Detection at an affordable price
500 Banknote Hopper Capacity

CDF  UV  U  Σ

PRO 85

SERIES

Banknote Counters / Office
The Counter’s Heart

A new engine, developed especially for the PRO 85 series, provides reliable and comfortable use. The counter packages counted banknotes in the stacker with maximum accuracy and all important parts of the device are protected from dust.

New Quality Detection and Counting

The PRO 85 UM is perfectly adapted for checking the authenticity of banknotes with its high quality magnetic detection.

Banknotes may be checked reliably in automatic mode.

CDF Filter

The sensors can be set for a certain currency (USD, EUR, or RUR) by simply pushing a button. Setting the device to a currency’s exact filters guarantees a more precise count by not only comparing the stack of banknotes to the first note in the stack (as is done by all counters), but also by comparing the banknotes to the standard for the currency, which is recorded in the PRO 85’s memory.

APPLICATION

The PRO 85 series is ideal for use in cashiers, payroll offices and exchanges for small or medium volumes of cash operation.

PRO 85
Office Banknote Counters

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Function</th>
<th>PRO 85</th>
<th>PRO 85 U</th>
<th>PRO 85 UM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnetic detection, currency / level</td>
<td>–</td>
<td>–</td>
<td>EUR, USD, RUR / 10</td>
</tr>
<tr>
<td>Ultraviolet detection / level</td>
<td>–</td>
<td>–</td>
<td>‘/10</td>
</tr>
<tr>
<td>Optical density detection / level</td>
<td>+/10</td>
<td>+/10</td>
<td></td>
</tr>
<tr>
<td>Banknote size detection / level</td>
<td>+/6</td>
<td>+/6</td>
<td></td>
</tr>
<tr>
<td>Chained banknotes detection</td>
<td>+</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>Half banknote detection</td>
<td>+</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>Double banknotes detection</td>
<td>+</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>Suitable banknote size, mm</td>
<td>from 40x100 up to 90x180 (from 1½” x 4” up to 3½ x 7”)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counting speed, Banknotes/min.</td>
<td>900/1200/1500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hopper capacity, Banknotes</td>
<td>500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stacker capacity, Banknotes</td>
<td>200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED counting display (digit)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED batch display (digit)</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>–220/50 (-110/60 for U.S.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>270 x 250 x 240mm (10 3/5”(L) x 9 2/5”(W) x 9 4/5”(H))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>5.5 (12.1lbs)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The specially designed guiding mechanisms ensure accurate stacking of banknotes and error-free counting of notes.

The hopper allows the operator to insert more banknotes into the device, even while it is counting.

The device can be easily used every day, with an extremely reliable design.

PRO 95

Unpretentious and Durable
Good for Daily Operation
Handles Large Cash Amounts

UV, Solar, SUM
ADVANTAGES
- Counts banknotes, regardless of their condition due to use
- Reinforced mechanical construction
- Enlarged hopper
- Accurate banknote packaging in the stacker
- Audio confirmation of operations - A sound and an error code will indicate any suspicious banknotes*
- Possibility to connect to an external display
- 2 counting speeds
- Top feeding mode

* PRO 95U

FUNCTIONS
- Capable of counting multiple currencies (EURO, USD and others)
- Summation mode
- Batch mode
- Batch extension mode (number keys from 0 to 9)
- Manual and automatic start modes

APPLICATION
The PRO 95 series is designed for use in banks, currency exchanges, and accounting departments for large companies.

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>PRO 95</th>
<th>PRO 95U</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultraviolet detection / level</td>
<td>--</td>
</tr>
<tr>
<td>Optical density detection / level</td>
<td>+ / 8</td>
</tr>
<tr>
<td>Banknote size detection / level</td>
<td>+ / 6</td>
</tr>
<tr>
<td>Chained banknotes detection</td>
<td>+</td>
</tr>
<tr>
<td>Half banknote detection</td>
<td>+</td>
</tr>
<tr>
<td>Double banknotes detection</td>
<td>+</td>
</tr>
<tr>
<td>Counting speed, Banknotes/min.</td>
<td>900/1200</td>
</tr>
<tr>
<td>Hopper capacity, Banknotes</td>
<td>600</td>
</tr>
<tr>
<td>Stacker capacity, Banknotes</td>
<td>300</td>
</tr>
<tr>
<td>Suitable banknote size, mm</td>
<td>from 40 x 110 up to 100 x 190 (from 1½” x 4½” up to 4” x 7½”)</td>
</tr>
<tr>
<td>LED counting display (digit)</td>
<td>4</td>
</tr>
<tr>
<td>LED batch display (digit)</td>
<td>3</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>≈220/50 (≈110/60 for U.S.)</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>50</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>270 x 250 x 250 (10¾”x 9¾” x 9¾”)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>6.3 (14lbs)</td>
</tr>
</tbody>
</table>

Illusory simplicity

The PRO 95 series has been popular among bank cashiers due to its simplicity and reliability. During its design, engineers took into account the requirements of a cashier’s job: placing large amounts of money into the counter, easy operation of the controls, etc.

During the design and testing, dozens of engineers and professionals collaborated to guarantee a convenient, simple, and stable counter for cashiers.
PRO 100 SERIES

Superior Reliability for Large Cash Operations

Enlarged hopper ensures that even large amounts of cash can be scanned quickly.

Instead of displaying error codes, this series provides a complete description of any problem encountered while counting / scanning banknotes.

The device includes internal mechanisms specially designed for hours of continuous use to allow the most efficient scanning / counting possible.

The internal electronics are designed to protect the machine against unexpected power interruptions or surges.
ADVANTAGES
- Counts banknotes, regardless of their condition due to use
- Reinforced mechanical construction
- Enlarged hopper
- Accurate banknote packaging in the stacker
- Audio confirmation of operations
- A sound and an error code will indicate any suspicious banknotes*
- Possibility to connect to an external display
- A complete description of errors will be shown on the display
- Auto Filter CDA
- Built-in clock and calendar
- Top feeding mode
- Built-in voltage regulator
- Ability to connect to a PC (port RS 232)

*PRO 100 U, PRO 100 UM

FUNCTIONS
- Capable of counting multiple currencies (EURO, USD and others)
- Summation mode
- Batch mode
- Batch extension mode (number keys from 0 to 9)
- Manual and automatic start modes

APPLICATION
- The PRO 100 series is designed for use in banks, currency exchanges, and accounting departments for large companies.

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>PRO 100</th>
<th>PRO 100 U</th>
<th>PRO 100 UM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnetic detection, currency / level</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Detection of magnetic stripe, currency</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Ultraviolet detection / level</td>
<td>--</td>
<td>+ / 9</td>
</tr>
<tr>
<td>Optical density detection / level</td>
<td>+ / 9</td>
<td>+ / 9</td>
</tr>
<tr>
<td>Banknote size detection / level</td>
<td>+ / 7</td>
<td>+ / 7</td>
</tr>
<tr>
<td>Chained banknotes detection</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Half banknote detection</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Double banknotes detection</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Counting speed, Banknotes/min.</td>
<td>800 / 1000 / 1200 / 1500</td>
<td>800 / 1000 / 1200 / 1500</td>
</tr>
<tr>
<td>Hopper capacity, Banknotes</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>Stacker capacity, Banknotes</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>Counting display, type, size (LxW), mm</td>
<td>LCD, 22x70 (7/8&quot;x2¼&quot;)</td>
<td>LCD, 22x70 (7/8&quot;x2¼&quot;)</td>
</tr>
<tr>
<td>Suitable banknote size, mm</td>
<td>from 30x120 up to 100x190 ((from 1 1/5&quot; x 4 ¼&quot; up to 4 x 7¼&quot;))</td>
<td>from 30x120 up to 100x190 ((from 1 1/5&quot; x 4 ¼&quot; up to 4 x 7¼&quot;))</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>~100-250 / 50-60</td>
<td>~100-250 / 50-60</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>270 x 250 x 250 (10 3/5&quot;(L) x 10&quot;(W) x 10&quot;(H))</td>
<td>270 x 250 x 250 (10 3/5&quot;(L) x 10&quot;(W) x 10&quot;(H))</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>5.5kg (12lbs)</td>
<td>5.5kg (12lbs)</td>
</tr>
</tbody>
</table>

COST LEVEL
- PRO 100
- PRO 100 U
- PRO 100 UM

AUTO FILTER CDA
The sensors can be set for a certain currency (USD, EURO, or RUR) by simply pushing a button. Setting the device to a currency’s exact filters guarantees a more precise count by comparing the banknote’s UV and MG properties to the currency standard in the counter’s memory.

PRO INTELLECT TECHNOLOGY
Banknote Counters / Professional
13
PRO MAC WORLD

Banknote counter with calculation
Processing banknotes of any condition
Software update for any currency*
PRO MAC WORLD
Banknote counter with calculation

ADVANTAGES
- Clear high contrast large LCD display with backlight
- Processing banknotes of any condition
- 8 currencies in memory
- Software update for any currency*
- Adjustment of sensors’ sensitivity
- Sound and text indication when a suspicious banknote is detected
- Easy to use
- RS-232 Port
* Option

FUNCTIONS
- Calculation of counted banknotes by denomination
- Basic set of currencies: EUR-USD-CHF-GBP-CZK-RON-LVL-PLN
- Any currency can be programmed
- UV detection
- Size detection
- Optical density detection
- Add and batch functions

APPLICATION
The PRO MAC series is ideal for use in cashiers, payroll offices and exchanges for small or medium volumes of cash operation.

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>PRO MAC</th>
<th>PRO MAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic set of currencies</td>
<td>EUR-USD-CHF-GBP-CZK-RON-LVL-PLN</td>
</tr>
<tr>
<td>Additional currencies</td>
<td>any currency*</td>
</tr>
<tr>
<td>UV Detection / levels</td>
<td>x/9</td>
</tr>
<tr>
<td>Optical density detection / levels</td>
<td>x/9</td>
</tr>
<tr>
<td>2D detection / levels</td>
<td>x/9</td>
</tr>
<tr>
<td>Counting speed, banknotes/min</td>
<td>600 / 900 / 1200</td>
</tr>
<tr>
<td>Hopper capacity, banknotes</td>
<td>400</td>
</tr>
<tr>
<td>Stacker capacity, banknotes</td>
<td>200</td>
</tr>
<tr>
<td>Banknote size, mm</td>
<td>From 60x100 to 90x170</td>
</tr>
<tr>
<td>Display</td>
<td>LCD, 192x64px</td>
</tr>
<tr>
<td>Power supply</td>
<td>-110-220V / 50-60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>40W</td>
</tr>
<tr>
<td>Dimensions (w/h/t)</td>
<td>270 / 260 / 250 mm</td>
</tr>
<tr>
<td>Net weight</td>
<td>6kg</td>
</tr>
</tbody>
</table>

PRO MAC is programmed to handle a number of currencies. All possible denominations of a currency are stored in the counter’s memory. The total sum of all counting processes for every denomination is displayed in top right corner. The «TOTAL» graph is received by multiplication of «VALUE» graph by «COUNT» graph. Thus, the cashier doesn’t have to make any notes while using a calculator to perform the counting of sorted banknotes of different denominations. It saves time and eliminates mistakes.
The specially designed riffling section allows the device to offer full functionality and capacity at a reduced size. The design is adept at sorting, even when only a few banknotes are placed into the system.

Recognize and calculate all nominals of Euro banknotes.

The specially designed sealed touch panel protects from liquid and dust penetration into the control unit.

PRO 40 MIX EURO

Banknote counter with the ability to recognize multiple denominations of EURO
SMART SOLUTION

The PRO 40U NEO is an ideal model for fast and cost-effective handling of banknotes while ensuring the authenticity of banknotes.

ADVANTAGES

- Designed for ease of use
- It has a low noise level while counting
- Denomination recognition and total value count
- Types of detection:
  - UV – Ultraviolet Detection
  - MT – Metallic Thread Detection
  - MG – Magnetic Detection
  - DEN – Optical Density Detection
- A sound will indicate any suspicious banknotes
- 71x28mm LCD display with backlight
- Rear banknote feeding mode
- External display *

* Additional option

FUNCTIONS

- Summation mode
- Batch mode
- Manual and automatic start mode

APPLICATION

- Designed for use in accounting departments, small offices, or by cashiers.

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>PRO 40UMI</th>
<th>PRO 40UMI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnetic detection</td>
<td>•</td>
</tr>
<tr>
<td>Ultraviolet detection</td>
<td>•</td>
</tr>
<tr>
<td>Optical density detection</td>
<td>•</td>
</tr>
<tr>
<td>Double banknotes detection</td>
<td>•</td>
</tr>
<tr>
<td>Chained banknotes detection</td>
<td>•</td>
</tr>
<tr>
<td>Half banknote detection</td>
<td>•</td>
</tr>
<tr>
<td>Counting speed, Banknotes/min.</td>
<td>800</td>
</tr>
<tr>
<td>Hopper capacity, Banknotes</td>
<td>100</td>
</tr>
<tr>
<td>Stacker capacity, Banknotes</td>
<td>100</td>
</tr>
<tr>
<td>Suitable banknote size, mm</td>
<td>from 50x120 to 85x160 (from 2&quot; x 4¾” to 3 1/3” x 6 1/3”)</td>
</tr>
<tr>
<td>LED counting display (diglt)</td>
<td>3</td>
</tr>
<tr>
<td>LED batch display (diglt)</td>
<td>3</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>220/50 (-110/60 for U.S.)</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>40</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>225x290x140 (8 9/10”(L) x 11 2/5”(W) x 5 ½”(H))</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>4.3 (9.5lbs)</td>
</tr>
</tbody>
</table>
PRO 86 MIX EURO

Superior Reliability for Large Cash Operations

When a suspicious banknote is detected a sound alarm will appear and the display will show the error code.

The specially designed sealed touch panel protects from liquid and dust penetration into the control unit.

An external display provides flexibility for operation and a magnifier allows for banknotes to be checked with up to 10-x magnification under ultraviolet or white light. The magnifier can work from the counter or batteries.

When a suspicious banknote is detected a sound alarm will appear and the display will show the error code.
PRO 86 MIX EURO
Office Banknote Counters

ADVANTAGES
- Set for optimized handling of EURO
- Denomination recognition and total value count
- Sorting by denomination
- Types of detection:
  - UV – Ultraviolet Detection
  - MT – Metallic Thread Detection
  - MG – Magnetic Detection
  - DEN – Optical Density Detection
- Add and batch functions
- Clear high contrast enlarged LCD display with a backlit
- Sensors’ sensibility adjustment
- Sound and code alarm for suspicious banknotes
- Simple and easy in use

TECHNICAL SPECIFICATION
- Magnetic detection
- Magnetic thread detection
- Ultraviolet detection
- Optical density detection
- Banknote size detection
- Chained banknotes detection
- Half banknote detection
- Double banknotes detection
- Suitable banknote size, mm: from 60x120 up to 87x172 (from 2½” x 4⅛” up to 3½” x 6¼”)
- Counting speed, Banknotes/min.: 900/1200/1500
- Sorting speed, Banknotes/min.: 200
- Hopper capacity, Banknotes: 500
- Stacker capacity, Banknotes: 200
- Power supply, V/Hz: ~110-220/50-60
- Power consumption, W: 50
- Dimensions, mm: 270 x 250 x 240mm (10 3/5”(L) x 9 2/5”(W) x 9 4/5”(H))
- Net weight, kg: 5.5 (12.1lbs)

FUNCTIONS
- List mode
- Summation mode
- Batch mode
- Manual and automatic start modes
- Ability to connect to a PC via RS-232 port

APPLICATION
- The PRO 86 series is ideal for use in cashiers, payroll offices and exchanges for small or medium volumes of cash operation.

A must have retail solution
This mix value banknote counter for Euro banknotes is specially designed to address the needs of retail market. Perfectly placed in terms of pricing compared to the competition the PRO 86 MIX EURO is the best choice for commerce professionals willing to optimize their time and cost expenses by passing to automated cash processing. This bright screen value counter with user friendly interface is a must have for anyone who keeps up to date with latest trends in cash handling and counterfeit security.
PRO MIX EURO

Banknote counter with the ability to recognize multiple denominations of EURO

PRO MIX EURO allows to update software from PC via RS-232.

In the detailed results mode, the counter automatically shows the results right after counting a stack of banknotes.

Guiding plates with the number of the denominations helps for fast and proper insertion of banknotes.

Enlarged high contrast LCD display 192x62 pixels with backlighting.

EUR IR UV MT ☀️ ☝️ ☞

100W 230V
**PRO MIX EURO**

Professional Banknote Counters

**ADVANTAGES**
- Recognizes denominations and counts total amount of EURO banknotes
- Sorts by denomination and identifies sorted EURO banknotes
- Counts any kind of banknotes with UV detection
- Sorts by banknotes’ length and width
- Enlarged high contrast LCD display with backlighting
- Ability to update software via PC

**FUNCTIONS**
- Extremely accurate verification of EURO banknotes:
  - IR – infrared detection
  - 3D – banknote size detection
  - UV – ultraviolet detection
  - MT – metallic thread detection
  - MG – magnetic detection
  - DEN – optical density detection
  - Automatic / manual start

**APPLICATION**
- The PRO MIX EURO banknote counter perfectly fits for any cashier that works with EUROs. Accurate detection by a banknote's length and width allows the PRO MIX EURO to be used for counting and identifying currencies with denominations of different sizes.

**TECHNICAL SPECIFICATION**

- Infrared detection
- 3D detection
- Magnetic thread detection
- Magnetic detection
- Ultraviolet detection
- Optical density detection
- Chained banknotes detection
- Half banknote detection
- Suitable banknote size, mm: from 60x120 up to 67x160 (from 2¼” x 4¾” up to 2¾” x 6¼”)
- Counting speed, Banknotes/min.: 600/900/1200/1500
- Counting speed with IR-detection, Banknotes/min.: 900/1200
- Hopper capacity, Banknotes: 400
- Stacker capacity, Banknotes: 300
- Power supply, V/Hz: ~110-220/50-60
- Power consumption, W: 40
- Dimensions, mm: 270 x 252 x 250mm (10 3/5”(L) x 9 2/5”(W) x 9 2/5”(H))
- Net weight, kg: 6 (13.2lbs)

**COUNT MODES**
- **“COUNT” mode** – counts banknotes from different countries
- **“VAL” mode** – counts and verifies banknotes’ denominations
- **“MIX” mode** – counts with summation of banknotes’ denominations

**Expert level verification**

The PRO MIX EURO is one of PRO's latest innovative solutions. This European Central Bank certified value counter guarantees highest level of Euro banknotes verification. While the spread of counterfeit banknotes in Europe is on a constant rise, this counter equipped with top security detections like IR and 3D, offers peace of mind to all those who are engaged in everyday cash processing. Large informative LCD screen and easy operation make this value counter irreplaceable for banks’ branches, big outlets, financial organizations etc.
PRO NEKSON
Compact banknote sorter
Processing banknotes of any condition

Ultra-sonic detectors of banknotes thickness allow to check better and to count without a stop the true banknotes of a various physical condition.

The program of the sorter updating for new banknotes is available by micro SD card. To the user simply enough to copy the received file from the Internet and to set it on SD card by the card-reader or a socket in the laptop.

An independent food of the display processor allows to keep all current user’s options (modes of sorting, packing etc.).

Ports RS 232 to the PC and LAN connection are intended for connection to the computer for adjustment and preventive measures of TS to print the counting results. It also can be used for external display and printer connection.
PRO NEKSON 2V / 2F

Banknote Sorter

ADVANTAGES

- High quality detection: IR + RGB-SCANER with the high level of dots per inch: 200 dpi
- Processing banknotes of any condition
- Ultra-sonic detectors of banknotes thickness
- Authenticity identification of the five machine-readable features: The visible image of the banknote, the image of the banknote in the infrared spector, the presence of hard magnetic features of banknotes, luminescence of picture elements of the banknote under UV spector, absence of background lightening of the banknote under UV spector

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>PRO NEKSON 2V</th>
<th>PRO NEKSON 2F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Currencies</td>
<td>EUR</td>
</tr>
<tr>
<td>Fitness</td>
<td>-</td>
</tr>
<tr>
<td>Optical Density Detection</td>
<td>-</td>
</tr>
<tr>
<td>Size Detection (width and length)</td>
<td>-</td>
</tr>
<tr>
<td>Ultraviolet / Magnetic /Infrared Detection</td>
<td>- / / /</td>
</tr>
<tr>
<td>Counting Speed, Banknotes / min.</td>
<td>1000</td>
</tr>
<tr>
<td>Hopper / Stacker / Reject Pocket Capacity, Banknotes</td>
<td>500 / 300 / 100</td>
</tr>
<tr>
<td>Display</td>
<td>LCD</td>
</tr>
<tr>
<td>Banknote Size, mm</td>
<td>Min 60x100 - max 90x185</td>
</tr>
<tr>
<td>Banknote Width, mm</td>
<td>0,08-0,12</td>
</tr>
<tr>
<td>Power Supply</td>
<td>-100-240V / 50-60Hz</td>
</tr>
<tr>
<td>Power Consumption (Counting / Stand by)</td>
<td>90 / 6</td>
</tr>
<tr>
<td>Dimensions</td>
<td>300x280x304</td>
</tr>
<tr>
<td>Net Weight</td>
<td>12</td>
</tr>
</tbody>
</table>

FUNCTIONS

- Counting mode of the preprogrammed value from the mixed bundle
- Comprehensive testing of the authenticity of currency CHF, USD, EUR, software upgrade for any new currency
- Sort by face value and orientation
- Sorting of banknotes by year of issue
- Summation and packaging
- Counting of the adjusted amount
- Connecting to a PC, LAN, printer
- Firmware upgrade via micro-SD card or PC

SORTING MODES

- Sorts banknotes of the specified denomination, and rejects the banknotes of other denominations
- Sorts the denomination of the first banknote and rejects banknotes of other denominations
- Sorts banknotes by orientation: front / back
- Sorts banknotes by facing: top / bottom
- Sorts banknotes by fitness
- Sorts banknotes by currency issue

* PRO NEKSON 2F
** Additional option

COST LEVEL

APPLICATION

Suitable for use in banks, accounting departments, currency exchanges, or other companies dealing with cash transactions.

The back cover has a two-section design, for access to all details for cleaning or deleting of the got stuck banknote. It is enough only to press one button.

Optimizing Costs and Efficiency

Banknote counters are no longer used not only in banks and financial institutions, but also in supermarkets, casinos, and other commercial locations. The PRO NEKSON now fills the niche between inexpensive but limited counters and more functional but very expensive counters. By balancing cost and functionality, manual processing of banknotes can now be relegated to the past. The PRO NEKSON guarantees that any business can ensure accuracy and security in their processing of cash.

PRO NEKSON is a sorter of any condition banknotes with complex detection on authenticity. The latest technology-ultra-sonic detectors of banknotes thickness - allows to make a high quality check and counting of true banknotes with a various physical condition and to recognize a counterfeits. Simple navigation in English makes work with the sorter simple and convenient for any cashier.
PRO-4, PRO-7

PRO-4P

The PRO 4P’s compact size and excellent functionality make it ideal for use in any location.

PRO-4S

Its construction allows users to check multiple banknotes at one time.

PRO-4 / PRO-7: Special heat-resistant plastic has been incorporated into the lamp design to protect the device against deformation. Reliable and durable even during extended use. These detectors will not deform or malfunction due to high temperatures.

PRO-4S: A white light lamp allows for checking watermarks.

PRO-4: Compact sizes allow for use of the detector anywhere.

The PRO-4S allows for manual or automatic detection.
PRO-4 / PRO-7 / PRO-4S / PRO-4P
Compact Ultraviolet Detector

ADVANTAGES
- PRO-4, PRO-7:
  - Compact sizes
  - Enlarged working place
- PRO-4S:
  - Audio warning in the event of a suspicious banknote (in automatic mode)
- PRO-4P:
  - Battery power (4 AA) guarantees portability
  - The white light lamp can double as a flashlight
  - Easy to transport (includes carrying strap)

FUNCTIONS
- Compatible with multiple currencies
- Verification of banknote's luminescence and protective fibers by ultraviolet light
- Verification of watermarks, micro perforations, security threads and combined images by direct white light *
- Checks documents of any format*

* PRO-4P

APPLICATION
These devices are perfect for accounting departments for small companies or for cashiers for any type of store or business.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Verification by direct white light</th>
<th>Verification by white backlight</th>
<th>Verification by ultraviolet light</th>
<th>Power consumption of direct white light, quantity x W</th>
<th>Power consumption of ultraviolet light, quantity x W</th>
<th>Size of the working surface (LxW), mm</th>
<th>Power supply</th>
<th>Dimensions, mm</th>
<th>Net weight, kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRO-4</td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>6 (AAx4)</td>
<td>190x35</td>
<td>-110/230 / 50-60</td>
<td>193 x 87 x 80</td>
<td>0.3 (0.7lbs)</td>
</tr>
<tr>
<td>PRO-7</td>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>6 (AAx4)</td>
<td>165x35</td>
<td>-110/230 / 50-60</td>
<td>162 x 56 x 24</td>
<td>0.6 (1.3lbs)</td>
</tr>
<tr>
<td>PRO-4S</td>
<td></td>
<td></td>
<td></td>
<td>4</td>
<td>4</td>
<td>-</td>
<td>-</td>
<td>166 x 114 x 78</td>
<td>0.3 (0.7lbs)</td>
</tr>
<tr>
<td>PRO-4P</td>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>1 x 1</td>
<td>-</td>
<td>-</td>
<td>162 x 2.2&quot; x 1&quot;</td>
<td>0.3 (0.7lbs)</td>
</tr>
</tbody>
</table>

Ultraviolet light provides one of the surest ways to check a banknote's authenticity. It is important that the entire surface of a banknote does not glow under an ultraviolet light. Only the protective threads and anti-counterfeiting signatures will respond to ultraviolet light on an authentic banknote.

Counterfeit banknotes produced on ordinary paper (not special banknote quality paper) will shine brightly under ultraviolet light. However, it is important to note that authentic banknotes may also shine in a similar manner if they have been exposed to aggressive materials such as soap or other detergents. It is thus advisable to check a banknote’s watermarks if there is an unusual response to ultraviolet light. Real watermarks will not be seen (or will be very dim) under an ultraviolet light, while fake watermarks will be easily seen.
PRO-12
Professional Machine for Everyone

The detector automatically switches on and off to save electricity and unnecessary expenses.

Special heat-resistant plastic has been incorporated into the lamp design to protect the device against deformation.

2”x1.5” lens allows to detect UV-image and watermarks with 2.5x magnification.

The built-in magnetic sensor means there is no need to purchase additional accessories for magnetic detection, saving space and money.

PRO-12 series detectors allows to detect different currencies.
ADVANTAGES

- Simple and easy to use
- Large working surface
- Minimal dilution of the UV light
- Protected against power surges
- Built-in magnifying glass *
- Availability of scale **
- Audio confirmation while using built-in magnetic sensor ***

* PRO-12LPM  
** PRO-12PM, PRO-12LPM  
*** PRO-12M, PRO-12PM, PRO-12LPM

FUNCTIONS

- Compatible with multiple currencies
- Verification of banknote’s luminescence and protective fibers by ultraviolet light
- Verification of micro-printings by magnifying glass *  
- Automatically turn on / turn off feature*  
- Verification of water marks, micro perforations, security threads and combined images by white backlight **  
- Verification by geometrical parameters (scale) **
- Detection of magnetic security features by magnetic sensor ***
- Able to check multiple banknotes in a fan shape at the same time

* PRO-12LPM  
** PRO-12PM, PRO-12LPM  
*** PRO-12M, PRO-12PM, PRO-12LPM

APPLICATION

These devices provide a wide range of versatility, making them suitable for accounting departments, payroll, financial institutions, or even supermarkets.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>PRO-12</th>
<th>PRO-12M</th>
<th>PRO-12PM</th>
<th>PRO-12LPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size of the working surface (with ruler), mm</td>
<td>260x45 (10 1/4&quot; x 1 1/4&quot;)</td>
<td>260x80 (10 1/4&quot; x 3 1/8&quot;)</td>
<td>260x90 (10 1/4&quot; x 3 1/3&quot;)</td>
<td></td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>~100-230 / 50-60</td>
<td>270/115/106</td>
<td>270/150/145</td>
<td></td>
</tr>
<tr>
<td>Maximum power consumption, W</td>
<td>15</td>
<td>10 1/4&quot;x5/4&quot;x5/4&quot;</td>
<td>10 1/4&quot;x5/4&quot;x5/4&quot;</td>
<td></td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>0.65 (1.4lbs)</td>
<td>0.95 (2.1lbs)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OUR RECOMMENDATIONS

In additional to verifying by ultraviolet light and direct white light, the detectors of the PRO-12 series are equipped with a magnetic sensor to verify the presence of magnetic marks on banknotes. The magnetic sensor is located directly on the body of the detector, which saves not only money, but also space. Moreover, the sensors on the PRO-12 series are more sensitive, which provides quality verification.

What to Look For..

Specialists recommend checking at least 3 types of a banknote’s protections. The PRO-12 series detectors work towards this goal. Unlike automatic detectors, the devices themselves don’t show the result of the authentication of banknotes. These counterfeit detectors require a knowledgeable user and every cashier should have access to guidelines for relevant currencies.
PRO CL-16

Maximum Functionality
Increased Working Resources

The design of the frame allows for checking A4 size documents.

Extra space allows checking of multiple banknotes at a time.

The built-in magnifying glass allows all of the ultraviolet marks on the banknote to be checked at one time. The special hood prevents dilution of UV light during use.

The built-in magnetic sensor means there is no need to purchase additional accessories for magnetic detection, saving space and money.
ADVANTAGES

- Powerful and reliable ultraviolet lamps
- High-resistant plastic caps increase the working life of the lamps
- Built-in 2-x magnifying glass
- Large viewing field
- Availability of scale
- Audio confirmation while using built-in magnetic sensor
- Includes an external 10-x magnifier with backlight in the kit
- Availability of a window to check documents up to A4 in size

FUNCTIONS

- Compatible with multiple currencies
- Verification of banknote’s luminescence and protective fibers by ultraviolet light with 2-x magnifying glass
- Verification of water marks, micro perforations, security threads and combined images by white backlight with 2-x magnifying glass
- Verification by geometrical parameters (scale)
- Verification of micro-printings by magnifying glass
- Detection of magnetic security features by magnetic sensor
- Able to check multiple banknotes in a fan shape at the same time

APPLICATION

The PRO CL-16 Series is suitable for exchange offices, banks, legal departments (authentication of certificates and documents up to A4).

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>PRO CL-16LPM</th>
<th>PRO CL-16WPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verification by direct white light</td>
<td>–</td>
<td>*</td>
</tr>
<tr>
<td>Verification by white backlight</td>
<td>*</td>
<td>–</td>
</tr>
<tr>
<td>Verification by ultraviolet light</td>
<td>*</td>
<td>–</td>
</tr>
<tr>
<td>Detection of magnetic security features</td>
<td>*</td>
<td>–</td>
</tr>
<tr>
<td>Verification of micro-printings and patterns</td>
<td>*</td>
<td>–</td>
</tr>
<tr>
<td>Verification by geometrical parameters</td>
<td>*</td>
<td>–</td>
</tr>
<tr>
<td>Built-in magnifying glass, times / LxW, mm</td>
<td>2x / 130 x 54 (5” x 2”)</td>
<td>–</td>
</tr>
<tr>
<td>Size of the working surface (with ruler), mm</td>
<td>255 x 120 (10&quot; x 4 ¾&quot;)</td>
<td>282 x 140 (11&quot; x 5 ½&quot;)</td>
</tr>
<tr>
<td>Power consumption of white backlight, quantity x W</td>
<td>1 x 6</td>
<td>1 x 6</td>
</tr>
<tr>
<td>Power consumption of direct white light, quantity x W</td>
<td>–</td>
<td>1 x 6</td>
</tr>
<tr>
<td>Power consumption of ultraviolet light, quantity x W</td>
<td>2 x 6</td>
<td>–</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>~110-230/ 50-60</td>
<td>110-230/50-60</td>
</tr>
<tr>
<td>Maximum power consumption, W</td>
<td>18</td>
<td>–</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>265 x 140 x 150 (10 ½ x 5½ x 6”</td>
<td>265 x 140 x 150 (10 ½ x 5½ x 6”)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>1.05 (2.3lbs)</td>
<td>1.05 (2.3lbs)</td>
</tr>
</tbody>
</table>

Ideal Tool for Professional Use

Detectors in this class meet the requirements of the Central Banks of certain European countries to provide a device which has an increased working life of the lights; the possibility to check by ultraviolet light, white backlight, and direct white light; a 10-x magnifier for checking micro-printings; and the ability to check for the presence of magnetic marks by magnetic sensors.

The scale and backlighting help to determine the solvency of banknotes. The slot on the body of the device makes it very convenient to check securities (shares, bills, etc.) up to A4 in size. The external magnifier can be powered by the detector or autonomously (batteries), and it can check the micro elements on banknotes.
PRO-1500

Banknote Authentication: Easy and Fast
Multifunctional
Saves Space on the Desk

The kit includes the PRO L-10XP external 10x magnifier for checking micro text and micro-printings on banknotes.*

*only PRO 1500 IRPM LCD

The built-in sensor allows the detector to check the presence of magnetic marks, which means there is no need to purchase additional accessories for magnetic detection, which saves money and space.*

In addition to the infrared detector, the PRO-1500IRPM is equipped with magnetic detection, ultraviolet light, and white backlight to check the banknotes.

The location of the infrared camera and the device’s construction makes the detector one of the most compact device in its class.

*only PRO 1500 IRPM LCD
PRO-1500 LCD

Infrared Detectors

**ADVANTAGES**

- Wide angle 4.3” LCD display
- Simultaneous control of the IR and UV marks
- The PRO L-10XP external 10-x magnifier with backlight is included in the kit
- Audio confirmation while using built-in magnetic sensor

*PRO 1500 RPM LCD

**FUNCTIONS**

- Compatible with multiple currencies
- Able to check multiple banknotes in a fan shape at the same time
- Detection of infrared (IR) features (CRT display)
- Verification of micro-printings by direct white light with 10 times magnification (magnifier)
- Verification of water marks, micro perforations, security threads and combined images by white backlight
- Verification of banknote’s luminescence and protective fibers by ultraviolet light
- Detection of magnetic security features by magnetic sensor

*PRO 1500 RPM LCD

**APPLICATION**

Designed for versatility and can be used in any commerce, service, or exchange offices.

---

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>PRO-1500IR LCD</th>
<th>PRO-1500IRPM LCD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verification by white backlight</td>
<td>-</td>
</tr>
<tr>
<td>Verification by ultraviolet light</td>
<td>-</td>
</tr>
<tr>
<td>Detection of magnetic security features</td>
<td>-</td>
</tr>
<tr>
<td>Detection of infrared (IR) features</td>
<td>-</td>
</tr>
<tr>
<td>Verification of micro-printings and patterns</td>
<td>-</td>
</tr>
<tr>
<td>Display for showing infrared markings, D”</td>
<td>LCD 4.3”</td>
</tr>
<tr>
<td>Power consumption of white backlight</td>
<td>4W</td>
</tr>
<tr>
<td>Power consumption of ultraviolet light</td>
<td>6W</td>
</tr>
<tr>
<td>Size of the working surface, mm</td>
<td>150 x 105 (6” x 4”)</td>
</tr>
<tr>
<td>Display’s image color</td>
<td>B / W</td>
</tr>
<tr>
<td>Power supply</td>
<td>~110-240V / 50-60Hz</td>
</tr>
<tr>
<td>Maximum power consumption</td>
<td>10W</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>161 x 182 x 260 (6 1/3” x 7 ¼” x 10 ¼”)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>0.7 (1.5lbs)</td>
</tr>
</tbody>
</table>

---

**What Cashiers Love**

Infrared scanning of banknotes has been the most effective at detecting forgeries; it is a simple and reliable tool that makes a cashier’s work easier.

While counterfeiting infrared marks on banknotes is an extreme challenge for criminals, detecting authentic infrared marks is as easy as passing the note under the infrared light. Once those marks appear, you know you’re handling authentic currency.
On the body of the detector, there is an icon with reference infrared images for US dollars and EURO to customers.

Advanced manufacturing technologies.

Video camera with a dual-band illumination (870/940 nm) offer the highest quality and clarity of the screen Infrared images of the banknotes.

Brightness / contrast adjustment.
PRO COBRA 1400IR LCD / 1350IR LCD / 1300IR

Infrared currency counterfeit detector

ADVANTAGES
- High clarity
- Automatic power on sensor* / power off timer**
- No “dead zones” due to the vertical location of the camera
- Geometrically correct image of banknotes on the display
- Compact and takes up little space on your working desk
- The captured image is fully displayed on the screen even for large size banknotes (i.e. 500€).
- Optimal display size for continuous operation

* PRO COBRA 1300IR
** PRO COBRA 1400IR LCD

FUNCTIONS
- Verification of banknotes’ infrared images
- Brightness / contrast adjustment **
- Special element M control for USD **
- Possibility of banknotes’ verification in a set

** PRO COBRA 1400IR LCD

APPLICATION
The PRO COBRA is designed for use by cashiers in banks, stores, offices, and gas stations.

Rapid recognition throughout the world

Original design, compact size and ease of use resulted in immense popularity of PRO COBRA. The growing consumer interest to this model was confirmed during the international fairs like CeBIT and Paperworld in Germany.
The viewing window allows the user to check the presence of Optically Variable Ink (OVI).

The clear high contrast 5” LCD display allows you to examine particular small details, such as micro text and micro-printing, and to view a clear color image, without straining the user’s vision.

The device verifies the details of UV image by using the built-in 2× magnifying glass.

The magnetic sensor is located in the body of the device, so it is always easy to access and never lost.

The external video mouse allows the user to check banknotes by three types of detection with 20x magnification.

The PRO-16 IR LPM handles banknotes from any nation’s currency.
### ADVANTAGES
- Built-in 2x magnifying glass
- Clear high contrast color LCD display*
- Ability to connect to the external PRO L-10XP magnifier with backlight
- A universal external 20x magnification video mouse is included in the kit
- Built-in 2x magnifying glass
- Audio confirmation while using built-in magnetic sensor
- Ability to connect to a PC
- Availability of scale

* PRO CL-16IR LCD

### FUNCTIONS
- Compatible with multiple currencies
- Verification of water marks, micro perforations, security threads and combined images by white backlight with 2x magnifying glass
- Verification of banknote's luminescence and protective fibers by ultraviolet light with 20x magnification (video mouse and LCD display)*
- Detection of infrared (IR) features by infrared spectrum with 20x magnification (video mouse and LCD display)
- Verification of micro-printings and patterns by geometrical parameters
- Detection of optical variable ink with side white light

* PRO CL-16IR LCD

### TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>PRO CL-16IR LPM</th>
<th>PRO CL-16IR LCD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verification by direct white light</td>
<td>-</td>
</tr>
<tr>
<td>Verification by white backlight</td>
<td>-</td>
</tr>
<tr>
<td>Verification by ultraviolet light</td>
<td>-</td>
</tr>
<tr>
<td>Detection of infrared (IR) features</td>
<td>-</td>
</tr>
<tr>
<td>Detection of magnetic security features</td>
<td>-</td>
</tr>
<tr>
<td>Verification of micro-printings and patterns</td>
<td>-</td>
</tr>
<tr>
<td>Verification by geometrical parameters</td>
<td>-</td>
</tr>
<tr>
<td>Detection of optical variable ink with side white light</td>
<td>-</td>
</tr>
<tr>
<td>Size of the working surface, mm</td>
<td>260 x 110 (10 ¼&quot; x 4 ¼&quot;)</td>
</tr>
<tr>
<td>Universal external video mouse, times</td>
<td>-</td>
</tr>
<tr>
<td>Display for showing infrared markings, D’</td>
<td>CRT 4”</td>
</tr>
<tr>
<td>Wavelength of infrared light, mm</td>
<td>870</td>
</tr>
<tr>
<td>Power consumption of direct white light, quantity x W</td>
<td>-</td>
</tr>
<tr>
<td>Power consumption of white backlight, quantity x W</td>
<td>1 x 5</td>
</tr>
<tr>
<td>Power consumption of ultraviolet light, quantity x W</td>
<td>1 x 6</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>-110-230/ 50-60</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>270 x 205 x 240</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>1.9 (4.2lbs)</td>
</tr>
</tbody>
</table>

### APPLICATION
- The PRO CL-16 IR LCD is suitable for cashiers, exchange offices, banks, and legal departments (authentication of certificates and documents).

### Ideal Tool for Professional Use

Detectors in this class meet the requirements of the banks by having an increased lamp life, including an ultraviolet light, white backlight, and direct white light, as we well as by including a 10x magnifier for checking micro-printing and a magnetic sensor for checking the presence of magnetic marks...
In summation ("ADD") mode, one display shows the total quantity and the other one shows the total amount of checked banknotes.

By means of the newest spectral analysis technology "Redtooth", less than for 1 second it is possible to check the banknote and to see the total sum and quantity of verified banknotes.
MONIRON DEC EUR
Single Currency Automatic Detector

**ADVANTAGES**
- Spectral analysis “Redtooth”
- Bluetooth interface* 
- Ability to connect and to android-based mobile devices via bluetooth* 
- Ability to update software via bluetooth* 
- Counting LED display shows total amount of scanned banknotes 
- Additional LED display shows total quantity of scanned banknotes 
- Ability to connect to a PC via RS-232 
- High speed verification 
- A suspicious banknote will not be added to the total result 
- Banknotes can be fed into the device by any orientation 

*Additional option

**FUNCTIONS**
- Recognition of banknote’s denomination 
- Summation by banknote’s denomination 
- Banknote filing mode, forward / backward 
- Summation mode 
- Displays quantity of scanned banknotes

**APPLICATION**
Ideal for use on the go, in trade offices, by small businesses, currency exchanges, and gas stations.

**TECHNICAL SPECIFICATION**
- Currency in the standard kit: EURO
- Scanning speed, banknotes/min.: 100
- Infrared detection: •
- Magnetic detection: •
- Detection of magnetic strip: •
- Banknote size detection: •
- Optical density detection: •
- Double banknotes detection: •
- Size of LED counting display size (LxW), mm: LED, 14x46
- LED counting display, digits: 6
- Size of additional LED display (LxW), mm: LED, 14x23
- Additional LED display, digits: 3
- Power supply, V/Hz: ~100-240 / 50-60
- Power consumption, W: 10
- Dimensions, mm: 158 x 136 x 83
- Net weight, kg: 0.5

**MONIRON DEC EUR**

COST LEVEL
MONIRON DEC MULTI

Spectral analysis
Compact size
Software for sampling

By means of the newest spectral analysis technology "Redtooth", less than for 1 second it is possible to check the banknote and to see the total sum and quantity of verified banknotes.

Forward and backward feed modes.

The service center specialist can by himself adjust the detector for any currency by means of the special software.

Special software allows the detector to connect to a PC.

Currency Detectors / Automatic Detectors
MONIRON DEC MULTI
Multi Currency Automatic Detector

ADVANTAGES

- Spectral analysis “Redtooth”
- High speed verification
- Audio and code indications for a suspicious banknote
- The car adapter allows use in automobiles
- Counting LED display shows total amount of scanned banknotes
- Additional LED display shows total quantity of scanned banknotes
- Ability to connect to a PC
- Software update feature
- A suspicious banknote will not be added to the total result

FUNCTIONS

- Recognition of banknote’s denomination
- Summation by banknote’s denomination
- Banknote filing mode, forward / backward
- Summation mode
- Displays quantity of scanned banknotes

APPLICATION

Ideal for use on the go, in trade offices, by small businesses, currency exchanges, and gas stations.

TECHNICAL SPECIFICATION

- Currency in the standard kit
- Sampling tool
- Scanning speed, banknotes/min.
- Infrared detection
- Magnetic detection
- Detection of magnetic strip
- Banknote size detection
- Optical density detection
- Double banknotes detection
- Size of LED counting display size (LxW), mm
- LED counting display, digits
- Size of additional LED display (LxW), mm
- Additional LED display, digits
- Power supply, V/Hz
- Power consumption, W
- Dimensions, mm
- Net weight, kg

MONIRON DEC MULTI

LOCAL CURRENCY + EURO + USD

SAMPLING TOOL

The service center specialist can by himself adjust the detector for any currency by means of the special software:

- Make a sampling of banknotes images for any currency
- Add a banknote’s image of new release year or of other modification
- Enter / remove from memory any face value image of an old or a false banknote
- Specify the necessary currency designation: 3 symbols.
PRO CL-200
Affordable Price
Compact Size
Ease to Use
Ideal Detection

In summation ("ADD") mode, one display shows the total quantity and the other one shows the total amount of checked banknotes.

The PRO CL-200E is an automatic detector designed for EURO. The affordable price and quality detection have been achieved by optimizing the manufacturing process of the device.

The detectors analyze a banknote in less than 1 second. This allows the device to run a quick check of any amount of banknotes.

The sensor system and software of the PRO CL-200E, which interpret all incoming signals from the sensors, were created specifically to verify EURO.
**PRO CL-200 SERIES**

**Single Currency Automatic Detectors**

**ADVANTAGES**

- High speed verification
- Audio and code indications for a suspicious banknote
- The car adapter allows use in automobiles
- Counting LED display shows total amount of scanned banknotes
- Additional LED display shows total quantity of scanned banknotes
- Ability to connect to a PC
- Software update feature
- A suspicious banknote will not be added to the total result
- Covered opening for cleaning sensors
- Banknotes can be fed into the device by any orientation *

*PRO CL-200E

**FUNCTIONS**

- Recognition of banknote's denomination
- Summation by banknote's denomination
- Banknote filing mode, forward / backward
- Summation mode
- Displays quantity of scanned banknotes

**APPLICATION**

Ideal for use on the go, in trade offices, by small businesses, currency exchanges, and gas stations.

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>PRO CL-200E</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Currency in the standard kit</strong></td>
</tr>
<tr>
<td><strong>Additional currencies</strong></td>
</tr>
<tr>
<td><strong>Scanning speed, banknotes/min.</strong></td>
</tr>
<tr>
<td><strong>Infrared detection</strong></td>
</tr>
<tr>
<td><strong>Magnetic detection</strong></td>
</tr>
<tr>
<td><strong>Detection of magnetic strip</strong></td>
</tr>
<tr>
<td><strong>Banknote size detection</strong></td>
</tr>
<tr>
<td><strong>Optical density detection</strong></td>
</tr>
<tr>
<td><strong>Double banknotes detection</strong></td>
</tr>
<tr>
<td><strong>Size of LED counting display size (LxW), mm</strong></td>
</tr>
<tr>
<td><strong>LED counting display, digits</strong></td>
</tr>
<tr>
<td><strong>Size of additional LED display (LxW), mm</strong></td>
</tr>
<tr>
<td><strong>Additional LED display, digits</strong></td>
</tr>
<tr>
<td><strong>Power supply, V/Hz</strong></td>
</tr>
<tr>
<td><strong>Power consumption, W</strong></td>
</tr>
<tr>
<td><strong>Dimensions, mm</strong></td>
</tr>
<tr>
<td><strong>Net weight, kg</strong></td>
</tr>
</tbody>
</table>

**Human vs. Machine**

Automatic counterfeit detectors have quickly gained popularity among cashiers by helping them to quickly and effectively check banknotes. Unique software and years of experience of cooperation with the Forensic Centers of several European countries have allowed us to create a device that helps cashiers catch even the most sophisticated counterfeit banknotes.

When working with these automatic detectors, special training is not required for cashiers. Regardless of the place, the time of day, or the cashier’s training, the device will always display the result clearly – counterfeit or authentic.
PRO-310A MULTI
Integrated Detector of Banknotes

The detector comes equipped with the ability to detect 5 different currencies and can be programmed with the information needed to scan currencies from 6 additional currencies.

Self-cleaning magnetic sensors mean you can rely on the device to work to its highest capacity, even during intensive use.

The detector can be powered by power cable or battery, and is also able to be used in automobiles (battery and car adapter are included in the kit).
PRO-310A MULTI
Multi-currency Automatic Detectors

ADVANTAGES

- Multiple sensors
- Identifies “super forgeries”
- Works autonomously from built-in battery (battery is included in the kit)
- The car adapter allows use in automobiles (car adapter is included in the kit)
- Ability to connect to a PC
- Software update feature
- Audio and code indications for a suspicious banknote
- Suspicious banknotes are not included in overall results
- Covered opening for cleaning sensors

FUNCTIONS

- Automatically switches to the correct currency
- Recognition of banknote’s denomination
- Summation by banknote’s denomination
- Summation mode
- Banknote filing mode, forward / backward
- Displays quantity of scanned banknotes
- Displays total scanned banknotes during a calendar day
- Results sorted by banknotes’ denomination and currency

APPLICATION

- Designed for use by individuals and companies for payroll processing or retail operations.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PRO-310A MULTI 3</th>
<th>PRO-310A MULTI 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Currency in the standard kit</td>
<td>USD, EURO, RUR</td>
</tr>
<tr>
<td>Additional currencies</td>
<td></td>
</tr>
<tr>
<td>Scanning speed, banknotes/min.</td>
<td>75</td>
</tr>
<tr>
<td>Infrared detection</td>
<td>•</td>
</tr>
<tr>
<td>Magnetic detection</td>
<td>•</td>
</tr>
<tr>
<td>Detection of magnetic strip</td>
<td>•</td>
</tr>
<tr>
<td>Spectral ink analysis</td>
<td>•</td>
</tr>
<tr>
<td>Banknote size detection</td>
<td>•</td>
</tr>
<tr>
<td>Optical density detection</td>
<td>•</td>
</tr>
<tr>
<td>Mobile power source</td>
<td>Accumulator NiMh 12V/1100mA-h</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>~100-240 / 50-60</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>18</td>
</tr>
<tr>
<td>Dimensions (L/W/H), mm</td>
<td>135 x 218 (340) x 100 (5½&quot;x 8½&quot;(13½&quot;)x 4&quot;)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>1.3 (2.9lbs)</td>
</tr>
</tbody>
</table>

Professional Advice

Automatic detectors, such as the PRO 310 A Multi 5 provide users with the security of first class counterfeit detection and the efficiency of fast and reliable operation.

Upgrade

The PRO 310 A Multi is upgradeable for new currency designs and new face values to guarantee that your machine will still be effective, despite currency changes.
PRO CL-400A MULTI

Expert accuracy and a high scanning speed. Filing of banknotes in any direction.

When a suspicious banknote is found, or a failure occurs during operation, the device makes an audio alarm and displays a text description of the error (for Europe, the text on the screen will be in English).

The banknote filing guide can be easily adjusted to the width of the banknote.

Scanned banknotes are neatly placed on the removable output tray.

The detector's software can be quickly updated via a computer to adapt to new denominations of banknotes and new types of forgeries.
PRO CL-400A MULTI
Automatic multiple currency counterfeit detector

ADVANTAGES
- Banknotes of all currencies can be fed into the device regardless of orientation
- High speed verification with quiet operation
- Displays detailed results of scanned banknotes
- Clear and high contrast LCD display with backlighting
- Touch control panel
- The banknote filing guide can be adjusted to the size of the desired currency
- Ability to update software via PC
- Can be powered by cable adapter, built-in battery or car adapter (adapter is included in the kit)

FUNCTIONS
- Multiple currencies: EUR, USD, PLN, TRY, GBP, JPY, CHF, DKK, SEK, CAD, SAR, UAE, NGN, KWD, UAH, RUR, RMB, KZT, BRA, BOB, UYP, MXP, COP.
- Expert verification of authenticity:
  - Infrared detection
  - Verification of visual images
  - Magnetic detection
  - Spectral ink analysis
  - Optical density detection
  - Banknote size detection

APPLICATION
The PRO CL-400A MULTI is designed for use by cashiers in banks, exchange offices, stores, offices, ticket offices, and other places which require fast and accurate verification of a banknote’s authenticity.

New generation automatic detector

PRO CL-400A MULTI is a new generation automatic currency detector that sets a new level for the devices of this class. Programmed to detect eight different currencies this detector can verify the authenticity of the banknotes with the highest level of accuracy and with the highest speed for automatic detectors – 100 banknotes per minute. This being said, PRO CL-400A MULTI is the most silent detector with the ability to process banknotes in any direction.
PRO CS-80E
Compact and Simple
Factory-furnished Tooling

Despite its compact size, this sorter is equipped with a spacious cup for 2000 coins.

Coin counting kit for EURO coins (optional).

The smart control panel makes any cashier’s work easier.

Ability to printing counting results (optional)*.
PRO CS-80E

Coin Sorters

ADVANTAGES
- Compact size
- Low noise level
- Saves the settings when the device is disconnected from the power cable
- Automatically adjusts for coins' diameter and thickness
- Able to view the quantity of coins in each receiving slot by face value
- Audio confirmation of all operations
- Displays error codes
- Access to the coin counting mechanism
- Ability to printing counting results via RS-232 (optional)*

FUNCTIONS
- Verification of coins' face value
- Sorting by face value
- Summation by face value
- Batch mode
- Summation of coins by quantity
- Ability to interrupt counting
- Automatic stop when a receiving slot is full

APPLICATION
The PRO CS-80E is convenient for use in banks, at payroll desks, or in any business where fast and precise handling of coins is required.

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>PRO CS-80E</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Currency</td>
<td>EUR</td>
</tr>
<tr>
<td>Countable diameter, mm</td>
<td>EURO coins</td>
</tr>
<tr>
<td>Countable size, mm</td>
<td>EURO coins</td>
</tr>
<tr>
<td>Hopper capacity, coins</td>
<td>500</td>
</tr>
<tr>
<td>Receiving slot capacity, max.</td>
<td>1270</td>
</tr>
<tr>
<td>Additional receiving slots / quantity</td>
<td>Kit counting for EURO / 8 option</td>
</tr>
<tr>
<td>Maximum counting speed, coins/min.</td>
<td>200</td>
</tr>
<tr>
<td>Quantity of receiving slots</td>
<td>8</td>
</tr>
<tr>
<td>Counting display, type/ digits, size (LxW), mm</td>
<td>LED / 7, 18x88</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>~220 / 50</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>50</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>321 x 321 x 270 (12½&quot; x 12½&quot; x 10½&quot;)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>4.5 (10lbs)</td>
</tr>
</tbody>
</table>

Compact and Light
The PRO CS-80 is a compact and convenient coin counter, providing reliable coin handling in banks, post offices, or retail outlets. This model was designed for easy operation and thanks to the high quality components and construction, maintenance is minimal.

MINI PRINTER FOR OUTPUTING COUNT RESULTS (OPTIONAL)
PRO CS-100A/200A
A Durable and Efficient Coin Counter

When the device is turned on (when plugged in), the previous sessions settings are saved in the memory.

The tray is constructed in a manner to prevent jamming of coins.

Two individual settings for diameter and thickness of a coin make the counter universal and allow it to handle not only EURO, but also coins of other countries and tokens from gambling machines.
ADVANTAGES

- Compact size
- Easy to understand control panel
- Low noise level
- Manually adjusts for coins' diameter and thickness
- Audio confirmation of all operations
- Ability to connect to an external display
- Displays error codes
- Access to the coin counting mechanism

FUNCTIONS

- Ability to count tokens and coins from different countries
- Sorting by face value
- Summation of coins by quantity
- Advanced batch mode (buttons from 0-9)
- Ability to interrupt counting

APPLICATION

For use in banks, casinos, arcades, and other businesses where fast and precise counting of coins is a necessity.

PRO CS-100A / PRO CS-200A

Coin Counters

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th></th>
<th>PRO CS-100A</th>
<th>PRO CS-200A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple currencies</td>
<td>EUR, USD + Others</td>
<td>EUR, USD + Others</td>
</tr>
<tr>
<td>Countable diameter, mm</td>
<td>14 - 34 (0.55”-1.33”)</td>
<td>0.7 - 3.7 (0.03” - 0.15”)</td>
</tr>
<tr>
<td>Countable size (thickness), mm</td>
<td>0.7 - 3.7 (0.03” - 0.15”)</td>
<td>0.7 - 3.7 (0.03” - 0.15”)</td>
</tr>
<tr>
<td>Maximum counting speed, coins/min.</td>
<td>2300</td>
<td>2700</td>
</tr>
<tr>
<td>Hopper capacity, coins</td>
<td>4000</td>
<td>7000</td>
</tr>
<tr>
<td>The number of memory locations for each denomination of coins</td>
<td>10</td>
<td>-</td>
</tr>
<tr>
<td>Counting display, type/ digits, size (LxW), mm</td>
<td>LED / 7, 16x56 (0.63”x2.2”)</td>
<td>-</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>~220 / 50</td>
<td>~220 / 50</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>270x360x275 (10½”x14¼”x10½”)</td>
<td>270x360x330 (10½”x14¼”x13”)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>11 (24lbs)</td>
<td>12 (26lbs)</td>
</tr>
</tbody>
</table>

Recognizes Every Coin

Two individual settings (the diameter or the thickness of a coin) make the counter universal and allow it to handle coins of different countries, different sizes, as well as opaque tokens.
PRO CS-900S

Coin detection

Large hopper capacity

Integrated printer

- Tube and bag adaptor for packing the counted coins in bag or in pre-made paper tube.
- Presorting tray for cleaning away foreign matters
- Mechanical system overflow protection
- Ability to printing counting results.
PRO CS-900S

Coin Sorter

ADVANTAGES

- Coin size and alloy detection during counting and sorting
- Large capacity of upper hopper
- Presorting tray for cleaning away foreign matters
- RS-232 port for PC connection and software update
- Built-in printer
- Tube and bag adaptor*

* Additional option

FUNCTIONS

- Coin sorting by face value
- Summation by face value and amount
- Batch mode with memory function M+, MR
- Rejecting foreign, damaged and suspicious coins
- Ability to interrupt counting

APPLICATION

For use in banks, casinos, arcades, and other businesses where fast and precise counting of large volumes of coins is a necessity.

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Function</th>
<th>PRO CS-900S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standart currency</td>
<td>EURO</td>
</tr>
<tr>
<td>Hopper capacity, coins</td>
<td>9000</td>
</tr>
<tr>
<td>Stacker capacity, coins</td>
<td>4800</td>
</tr>
<tr>
<td>Counting speed, coins / min</td>
<td>430</td>
</tr>
<tr>
<td>Diameter of coins</td>
<td>14.31mm</td>
</tr>
<tr>
<td>Thickness of coins</td>
<td>1.4mm</td>
</tr>
<tr>
<td>Stacker dimensions, mm</td>
<td>110x43x220</td>
</tr>
<tr>
<td>Hopper dimensions, mm</td>
<td>655 x 185 x 60</td>
</tr>
<tr>
<td>Sorting number</td>
<td>1-9 different coins + reject</td>
</tr>
<tr>
<td>Display</td>
<td>LCD</td>
</tr>
<tr>
<td>Voltage, V/Hz</td>
<td>~220 / 50</td>
</tr>
<tr>
<td>Power supply, W</td>
<td>60</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>672 x 312 x 511</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>32</td>
</tr>
</tbody>
</table>

The advanced magnetic induction eddy current sensor applied can simultaneously detect the diameter, thickness and material of metal coins.

Recognizes Every Coin

Coin Counters
PRO JuJu
Office Combine 3 in 1

- Includes a convenient envelope opener.
- Easily shreds paper while conserving space on any desk.
- Even includes a built-in pencil sharpener.
- Thanks to its small size, the PRO JuJu fits on any desktop.
PRO JuJu

Deskside Combination

**ADVANTAGES**
- Sized for any desktop
- Includes a light-weight and transparent waste bin for shredded paper
- Manual reverse
- Automatic start when placing paper
- Overheat protection
- Waste bin locks into position (when properly installed)

**FUNCTIONS**
- Shreds documents that are A6 / A5 / A4 size
- Automatic pencil sharpener
- Automatic envelop opener

**APPLICATION**
- While a good fit for any office worker with limited space, the PRO JuJu is ideal for use by secretaries and receptionists.

**TECHNICAL SPECIFICATION**

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>DIN 32757 security level</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Shredding speed, mm/second</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>75 (3'7&quot;/sec)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Sheet capacity of 80g/sq.m A4 paper, sheets</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Maximum format (size) of shredding documents</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A6 / A5 / A4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Shred size, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4x25 (1/6&quot; x 1&quot;)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Quantity of fragments from shredding a piece of A4 paper, pieces</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>600</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Waste bin capacity, L</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5 (1.3gal)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Throat width, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>130 (5&quot;)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Noise level, dB</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>62</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Power supply, V/Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>~220 / 50 (∼110 / 60)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Power consumption, W</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>70</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Dimensions (L/W/H), mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>235 x 185 x 248 (9¾” x 7¼” x 9¾”)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRO JuJu</th>
<th>Net weight, kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3.2 (7lbs)</td>
</tr>
</tbody>
</table>

**A Convenient Combination**

This small shredder is designed for convenience at any office desk. It includes a pencil sharpener and letter opener. And of course, you can also shred paper with it.
The «Hot» indicator warns you of the motor overheating and prevents serious damage, which can save money on repairs.

Manual reverse function helps to prevent and sort out paper jams.

A safety system for the shredder’s blades protects your hands during emptying of the waste bin.
PRO KGB 1500
Personal Paper Shredders

ADVANTAGES

- Automatic stop in the event of overload
- Overheat protection («Hot» indicator)
- Safety system for shredder’s blades (on lid)
- The body is made of high quality clear, impact-resistant plastic
- Manual and automatic start when placing paper
- Manual reverse
- Waste bin locks into position (when properly installed)
- Viewing window for waste bin

FUNCTIONS

- Shreds documents up to A4 size

APPLICATION

The PRO KGB 1500 Series is ideal for small business, and is recommended for use in offices, accounting and etc.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PRO KGB 1507T</th>
<th>PRO KGB 1505S</th>
<th>PRO KGB 1504S</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIN 32757 security level</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Shredding speed, mm/second</td>
<td>80 (3 inches/sec)</td>
<td>70</td>
</tr>
<tr>
<td>Sheet capacity of 80g/sq.m. A4 paper, sheets</td>
<td>7</td>
<td>5</td>
</tr>
<tr>
<td>Maximum format (size) of shredding documents</td>
<td>A4</td>
<td>A4</td>
</tr>
<tr>
<td>Shred size, mm</td>
<td>7 (¼&quot;)</td>
<td>4x40 (1/6&quot;x1½&quot;)</td>
</tr>
<tr>
<td>Quantity of fragments from shredding a piece of A4 paper</td>
<td>30</td>
<td>350</td>
</tr>
<tr>
<td>Waste bin capacity, L</td>
<td>15 (4 gal)</td>
<td>30</td>
</tr>
<tr>
<td>Throat width, mm</td>
<td>220 (8 2/3&quot;)</td>
<td>220</td>
</tr>
<tr>
<td>Noise level, dB</td>
<td>62</td>
<td>62</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>~220 / 50 (-110 / 60 for U.S.)</td>
<td>~220 / 50 (-110 / 60 for U.S.)</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>315x200x380 (12½ x 7¾ x 15&quot;)</td>
<td>315x200x380 (12½ x 7¾ x 15&quot;)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>4 (8.8 lbs)</td>
<td>4 (8.8 lbs)</td>
</tr>
</tbody>
</table>

Very Personal Documents

In order to get the right security level for your documents, while staying within your budget, be sure to understand exactly what you need your paper shredder to do. The PRO KGB 1500 Series is designed for use by 1 to 3 workers.

For Your Eyes Only

It is also important to recognize that security is inversely proportional to the size of the shredded strips. Regular documents can be shredded by level 2 and 3 shredders, while management, accounting, and other sensitive documents should be shredded at a higher level.
PRO KGB 2408C+CD
Quiet Shredding of Paper and CDs

The special cutting mechanism allows for destroying CDs, with the remnants being diverted to a separate bin than paper scraps*

* PRO KGB 2408C+CD

PRO KGB 2005C
Office Paper Shredder with Transparent Waste Bin High Security Level

Automatic reverse function helps the user to clear obstructions if too many sheets were inserted into the machine.

The cutting mechanism is made of carbide metal to allow the edges to remain sharp, even after prolonged use.

In the event of a full waste bin, the shredder stops and the corresponding indicator on the panel will be lit.

The special cutting mechanism allows for destroying CDs, with the remnants being diverted to a separate bin than paper scraps*.

* PRO KGB 2408C+CD
**PRO KGB 2005C/2408C+CD**

**FUNCTIONS**
- Shreds documents with high security
- Shreds CD and DVD *
- Shreds plastic cards*

**APPLICATION**
This shredder is the best choice for offices that do not have a separate area for shredding paper, as the low noise level allows the shredder to perform without disturbing other employees’ work.

**ADVANTAGES**
- As compact as personal models and as functional as professional models.
- Overheat protection
- Viewing window for waste bin and full waste bin indicator (light + sound)
- Automatic reverse in the event of overload
- Manual reverse
- Manual and automatic start when placing paper
- Waste bin locks into position (when properly installed)
- Tungsten carbide blades
- Wheels make it easy to move

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>PRO KGB 2005C</th>
<th>PRO KGB 2408C+CD</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIN 32757 security level</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Shredding speed, mm/second</td>
<td>60 (2½ inches / sec)</td>
<td>70 (2¼ inches / sec)</td>
</tr>
<tr>
<td>Sheet capacity of 80g/sq.m. A4 paper, sheets</td>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td>Maximum format (size) of shredding documents</td>
<td>A4</td>
<td>A4</td>
</tr>
<tr>
<td>Shred size, mm</td>
<td>2x6 (1/12” x 1/4”)</td>
<td>2x10 (1/12” x 2/5”)</td>
</tr>
<tr>
<td>Quantity of fragments from A4 paper, pieces</td>
<td>5000</td>
<td>3000</td>
</tr>
<tr>
<td>Waste bin capacity, L</td>
<td>20 (5.3 gal)</td>
<td>24 (6.3 gal)</td>
</tr>
<tr>
<td>Throat width, mm</td>
<td>230 (9”)</td>
<td>240 (9½”)</td>
</tr>
<tr>
<td>Noise level, dB</td>
<td>56</td>
<td>52</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>-220 / 50 (-.110 / 60 for U.S.)</td>
<td>-220 / 50 (-.110 / 60 for U.S.)</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>150</td>
<td>240</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>354 x 262 x 553 (14” x 10½” x 21¼”)</td>
<td>393 x 361 x 598 (15½” x 14½” x 23½”)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>13 (29 lbs)</td>
<td>19 (42 lbs)</td>
</tr>
</tbody>
</table>

---

**CD Shredder**

There’s no longer any guesswork to destroying CDs that have confidential information or programs. The separate tray for destroying CDs shows how effectively they are destroyed, so that no information can ever be recovered from their remnants.*

* PRO KGB 2408C+CD

Law offices and financial departments often find themselves creating endless copies of documents, with each additional copy creating an increased security risk. The PRO KGB 2005 C has the capacity and the cut size to help your office protect itself with a high level of security.**

** PRO KGB 2005C

---

* PRO KGB 2408C+CD

** PRO KGB 2005C
In the event that more than four sheets are placed into the shredder, the shredder will reverse and not accept the paper in order to prevent failure.

A single sheet of A4 paper is ground into 60000* small fragments, preventing your information from falling into the wrong hands.

*PRO KGB C-11CC

The transparent waste bin allows you to monitor how full the waste bin is with the 0.8x2mm* fragments of paper the shredder produces.

*PRO KGB C-11CC
PRO KGB C-11CC / C-12CC / C-22CC
Office Paper Shredder

ADVANTAGES
- Automatic start when placing paper
- Overheat protection
- Automatic reverse in the event of overload
- Removable waste bin
- Wheels make it easy to move
- Waste bin locks into position (when properly installed)
- Viewing window for waste bin

FUNCTIONS
- Shreds documents with high security

APPLICATION
Suitable for office use. Ideal for small printing companies, architectural firms and advertising agencies.

TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th></th>
<th>PRO KGB C-11CC</th>
<th>PRO KGB C-12CC</th>
<th>PRO KGB C-22CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIN 32757 security level</td>
<td>6</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>Shredding speed, mm/second</td>
<td>60 (2¼ inches / sec)</td>
<td>65 (2½ inches / sec)</td>
<td>65 (2½ inches / sec)</td>
</tr>
<tr>
<td>Sheet capacity of 80g/sq.m A4, sheets</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Maximum format of shredding documents</td>
<td>A4</td>
<td>A4</td>
<td>A4</td>
</tr>
<tr>
<td>Shred size, mm</td>
<td>0.8x1.2 (1/32” x 1/20”)</td>
<td>0.8x2 (1/32” x 1/12”)</td>
<td>2x2 (1/12” x 1/12”)</td>
</tr>
<tr>
<td>Quantity of fragments from A4 paper</td>
<td>60000</td>
<td>35000</td>
<td>15000</td>
</tr>
<tr>
<td>Waste bin capacity, L</td>
<td>27 (7.1 gal)</td>
<td>35 (8.2 gal)</td>
<td>15 (4.4 gal)</td>
</tr>
<tr>
<td>Throat width, mm</td>
<td>220 (8½”)</td>
<td>300 (11”)</td>
<td>150 (5½”)</td>
</tr>
<tr>
<td>Noise level, dB</td>
<td>58</td>
<td>58</td>
<td>58</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>~220 / 50</td>
<td>~300 / 50</td>
<td>~300 / 50</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>350</td>
<td>350</td>
<td>300</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>220 x 365 x 580 (8¾” x 14¼” x 22¾”)</td>
<td>220 x 365 x 580 (8¾” x 14¼” x 22¾”)</td>
<td>220 x 365 x 580 (8¾” x 14¼” x 22¾”)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>13 (29 lbs)</td>
<td>13 (29 lbs)</td>
<td>13 (29 lbs)</td>
</tr>
</tbody>
</table>

COST LEVEL
PRO KGB C-11CC
PRO KGB C-12CC
PRO KGB C-22CC
PRO KGB 4012C
PRO KGB 4006CC

The Fastest Office Shredders

The KGB 4000 Series shredders have been designed with a new motor that not only diminishes the noise produced during shredding, but has increased shredding speed by up to double compared to other models.*

*among the shredders PRO offers according to technical characteristics

In the event of an error, the control panel informs the user of the problem, so that it can be fixed as quickly as possible.

The KGB 4006 CC cuts a single sheet of paper into 7,500 fragments for a DIN32757 security level of 5.

The shredding mechanism is made of hardened carbide blades for an incredibly long life span.
PRO KGB 4012C / PRO KGB 4006CC

Office Paper Shredders

ADVANTAGES
- High security level
- Overheat protection («Hot» indicator)
- High shredding speed
- Full waste bin indicator (light + sound)
- Automatic reverse in the event of overload («REV» indicator)
- Manual reverse
- Manual and automatic start when placing paper
- Wheels make it easy to move
- Waste bin locks into position (when properly installed, «BIN» indicator)

FUNCTIONS
- Shreds confidential documents (according to DIN 32757 standard)
- Shreds plastic cards

APPLICATION
- The KGB 4000 Series is designed for offices with larger groups sharing a shredder.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Function</th>
<th>PRO KGB 4012C</th>
<th>PRO KGB 4006CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIN 32757 security level</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Shredding speed, mm/second</td>
<td>120 (4 ¾ inches / sec)</td>
<td></td>
</tr>
<tr>
<td>Sheet capacity of 80g/sq.m A4 paper, sheets</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>Maximum format (size) of shredding documents</td>
<td>A4</td>
<td></td>
</tr>
<tr>
<td>Shred size, mm</td>
<td>2x10 (1/12” x 2/5”)</td>
<td>0,8x10 (1/32” x 2/5”)</td>
</tr>
<tr>
<td>Quantity of fragments from shredding a piece of A4 paper, pieces</td>
<td>3000</td>
<td>7500</td>
</tr>
<tr>
<td>Waste bin capacity, L</td>
<td>40 (10.5 gal)</td>
<td></td>
</tr>
<tr>
<td>Throat width, mm</td>
<td>220 (8½&quot;)</td>
<td></td>
</tr>
<tr>
<td>Noise level, dB</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>~220 / 50 ( ~110 / 60 for U.S.)</td>
<td></td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>600</td>
<td></td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>440 x 330 x 665 (17¼”x 13”x 26¼&quot;)</td>
<td></td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>26 (57 lbs)</td>
<td></td>
</tr>
</tbody>
</table>

If you’ve ever seen a spy movie where the hero had to destroy top secret information before being captured, you may have been watching the PRO KGB 4000 series in action. Thanks to its ridiculously fast shredding speed, you no longer have to waste time feeding and endless stream of papers into your shredder while the bad guys are pounding on the door. Get in, shred the documents, and get out.
PRO TERMINATOR

Powerful and Reliable Shredders
Designed for Long Life

The transfer chain prevents damage to the shredder in the event of an overload, which ensures long and reliable operation of the shredder.
PRO TERMINATOR
Shredders of a Heightened Power

ADVANTAGES
- Increased productivity
- Entirely metal construction for durability
- Automatic reverse in the event of overload (indicator)
- Manual reverse
- Overheat protection (indicator)
- Manual and automatic start when placing paper
- Separate slot for destroying CD and DVD *
- Light weight and sturdy removable waste bin
- Full waste bin indicator (light +sound)
- Waste bin locks into position (Door open indicator)
- Wheels make it easy to move
- Indicator of dynamic load
  * For models T, S, C
  ** For models T, S

FUNCTIONS
- Shreds documents up to A4, A3 or B3 size
- Shreds CD and DVD *
- Shreds paper clips *
- Shreds stationery staples
- Shreds plastic cards
- Shreds floppy disks **

APPLICATION
The Terminator series is designed to be the optimal choice when your company has the most stringent standards for your shredding needs. Capable of managing the largest amounts of paper, the Terminator series has no fear of paper clips, CDs, or plastic cards while providing long term quality. These models will not only facilitate the task of recycling paper scraps, but also reduce the costs to the company for maintaining the technology.

The Terminator series is designed for use in medium or large offices and can hold up to heavy use.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>SERIES</th>
<th>5026C</th>
<th>6032T</th>
<th>6024S</th>
<th>6020C, 6010CC</th>
<th>9032T, 9024S</th>
<th>9020C, 9010CC</th>
<th>13032T, 13026S</th>
<th>13020C</th>
<th>13010CC</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIN 32757 security level</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>6</td>
<td>2</td>
<td>3</td>
<td>6</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Shredding speed, mm/second</td>
<td>52</td>
<td>85</td>
<td>85</td>
<td>90</td>
<td>32</td>
<td>24</td>
<td>20</td>
<td>10</td>
<td>32</td>
</tr>
<tr>
<td>Sheet capacity of 80g/sq.m A4 paper, sheets</td>
<td>26</td>
<td>32</td>
<td>24</td>
<td>20</td>
<td>32</td>
<td>24</td>
<td>20</td>
<td>10</td>
<td>32</td>
</tr>
<tr>
<td>Maximum format (size) of shredding documents</td>
<td>A4</td>
<td>A3</td>
<td>A3, B3</td>
<td>A3</td>
<td>4</td>
<td>4x30</td>
<td>1.9x18</td>
<td>0.87x5</td>
<td>4</td>
</tr>
<tr>
<td>Shred size, mm</td>
<td>2x25</td>
<td>2x30</td>
<td>1.8x18</td>
<td>0.87x5</td>
<td>4</td>
<td>4x30</td>
<td>1.9x18</td>
<td>0.87x5</td>
<td>4</td>
</tr>
<tr>
<td>Quantity of fragments from shredding a piece of A4 paper</td>
<td>1200</td>
<td>50</td>
<td>1000</td>
<td>1800</td>
<td>14000</td>
<td>50</td>
<td>500</td>
<td>1700</td>
<td>14000</td>
</tr>
<tr>
<td>Waste bin capacity, L</td>
<td>50</td>
<td>60</td>
<td>90</td>
<td>130</td>
<td>310</td>
<td>400</td>
<td>63</td>
<td>63</td>
<td>62</td>
</tr>
<tr>
<td>Throat width, mm</td>
<td>270</td>
<td>310</td>
<td>400</td>
<td>63</td>
<td>63</td>
<td>63</td>
<td>62</td>
<td>62</td>
<td>62</td>
</tr>
<tr>
<td>Noise level, dB</td>
<td>60</td>
<td>63</td>
<td>62</td>
<td>63</td>
<td>63</td>
<td>63</td>
<td>62</td>
<td>62</td>
<td>62</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>1500</td>
<td>1800</td>
<td>2000</td>
<td>2500</td>
<td>2000</td>
<td>2500</td>
<td>2000</td>
<td>2500</td>
<td>2500</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>450/420/750</td>
<td>450/420/880</td>
<td>510/440/880</td>
<td>600 / 460 / 950</td>
<td>600 / 460 / 950</td>
<td>600 / 460 / 950</td>
<td>600 / 460 / 950</td>
<td>600 / 460 / 950</td>
<td></td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>68</td>
<td>76</td>
<td>84</td>
<td>104</td>
<td>84</td>
<td>84</td>
<td>84</td>
<td>84</td>
<td>84</td>
</tr>
</tbody>
</table>
PRO B-10 / B-12 / B-15

Personal Binding Machines

ADVANTAGES

» Compact size
» The binder’s base is designed for stability
» Waste collected in an easy to empty tray
» Handles can be fixed into position for safety *
» Easy to use
» Combined lever for punching and binding (lever of composite material)
» Quality metallic construction (no plastic)***

* PRO B-10

*** PRO B-15

FUNCTIONS

» Punches A4 paper
» Punches and binds with plastic springs
» Binding format can be easily regulated
» Adjustable margin depth **

** PRO B-12, PRO B-15

APPLICATION

These binding machines are compact and economical, while easily handling a small volume of documents. This helps any company to process its own documents without paying for the services of an outside printing office.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>PRO B-10</th>
<th>PRO B-12</th>
<th>PRO B-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of spring</td>
<td>Plastic</td>
<td>Plastic</td>
<td>Plastic</td>
</tr>
<tr>
<td>Diameter of spring, mm</td>
<td>8-16 (5/16&quot; - 5/8&quot;)</td>
<td>6-32 (1/4&quot; - 1/4&quot;)</td>
<td></td>
</tr>
<tr>
<td>Format of apertures / quantity of punching holes</td>
<td>2/1</td>
<td>2/1</td>
<td>2/1</td>
</tr>
<tr>
<td>Wire format</td>
<td>standard 3:1</td>
<td>standard 3:1</td>
<td>standard 3:1</td>
</tr>
<tr>
<td>Format</td>
<td>A4</td>
<td>A4</td>
<td>A4</td>
</tr>
<tr>
<td>Type of operation</td>
<td>Manual</td>
<td>Manual</td>
<td>Manual</td>
</tr>
<tr>
<td>Punching capacity of 80g/sq.m A4 paper, sheets</td>
<td>10</td>
<td>12</td>
<td>15</td>
</tr>
<tr>
<td>Binding capacity of 80g/sq.m A4 paper, sheets</td>
<td>150</td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td>Adjustable margin depth, mm</td>
<td>–</td>
<td>3-6 (1/8&quot; - 1/4&quot;)</td>
<td>–</td>
</tr>
<tr>
<td>Format adjustment</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Waste tray capacity, L</td>
<td>0.2 (0.02 gal)</td>
<td>0.6 (0.15 gal)</td>
<td>0.8 (0.2 gal)</td>
</tr>
<tr>
<td>Material of the body</td>
<td>plastic</td>
<td>plastic</td>
<td>metal</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>390x250x105 (15¼&quot;x10&quot;x4&quot;)</td>
<td>380x260x165 (15¼&quot;x10½&quot;x6¼&quot;)</td>
<td>390 x 290 x 170 (14¾&quot;x11½&quot;x6¼&quot;)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>2 (4.5 lbs)</td>
<td>4 (9 lbs)</td>
<td>5.2 (11.5 lbs)</td>
</tr>
</tbody>
</table>

Type of Bindings

First of all, you need to decide which kind of springs that you want to use. There are three general types of binders: plastic, metal, and universal. A plastic spring can be reopened to change the contents of the document, but is less sturdy over time.

A metal spring is more difficult to reopen without damaging the springs, so it is better to replace the springs with new ones. However, metal springs are more durable and documents bound with metal springs occupy less space when stored.
ADVANTAGES

- Disengageable punch pins*
- Separate levers for punching and binding (lever of composite material)
- Metal body ➤ Punch pins of hardened steel
- Waste is collected in an easy to empty tray
- Quality metallic construction (no plastic)
- Easy to use ➤ Open ended punch
- Magnetic trap (for metallic spring)**

* PRO B-16S, ** PRO BM-16

FUNCTIONS

- Punches A4 paper
- Punches and binds with plastic* / metallic** springs
- Binding format can be easily regulated
- Adjustable margin depth

* PRO B-16S, ** PRO BM-16

APPLICATION

This binding machine is ideal for use in offices with a medium quantity of binding.

PRO B-16S / BM-16
Office Binding Machine

** PRO BM-16

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Type of spring</th>
<th>PRO B-16S</th>
<th>PRO BM 16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter of spring, mm</td>
<td>6-38 (1/4” - 1 1/2”)</td>
<td>3/16” - 9/16”</td>
</tr>
<tr>
<td>Format of apertures / quantity of punching holes</td>
<td>19 / 21</td>
<td>21 / 35</td>
</tr>
<tr>
<td>Wire format</td>
<td>standard 3:1</td>
<td></td>
</tr>
<tr>
<td>Format</td>
<td>A4</td>
<td></td>
</tr>
<tr>
<td>Type of operation</td>
<td>manual</td>
<td></td>
</tr>
<tr>
<td>Punching capacity of 80g/sq.m A4 paper, sheets</td>
<td>16</td>
<td>14</td>
</tr>
<tr>
<td>Binding capacity of 80g/sq.m A4 paper, sheets</td>
<td>250</td>
<td>120</td>
</tr>
<tr>
<td>Disengageable punch pins / quantity</td>
<td>*/7</td>
<td></td>
</tr>
<tr>
<td>Adjustable margin depth, mm</td>
<td>3-8 (1/8” - 5/16”)</td>
<td>2.5 (1/12” - 1/5”)</td>
</tr>
<tr>
<td>Format adjustment</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Waste tray capacity, L</td>
<td>0.5 (0.13 gal)</td>
<td></td>
</tr>
<tr>
<td>Material of the body</td>
<td>metal</td>
<td>metal</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>460 x 314 x 200 (18” x 12 1/4” x 7 3/4”)</td>
<td>435 x 305 x 205 (17” x 12” x 8”)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>6.3 (14 lbs)</td>
<td>9.8 (21.5 lbs)</td>
</tr>
</tbody>
</table>

Designed for a Long Life

The metallic frame is designed to prolong the life of the binder, even during intense use. All internal parts are also made of quality metallic parts. This binder is designed to work with 10 to 25 sheets simultaneously and easily. (Note: It is not recommended to operate the device with more sheets, even if they can be forced, as it may cause damage to the device.)

PRO B-16S

When You Need Metallic Springs

Binding with metallic springs makes brochures and notebooks more attractive. While metallic springs are more permanent and less adjustable than plastic, they come with increased durability. Metallic springs offer a very professional alternative when you need your publications to make a strong statement.

PRO BM-16

PLEASE NOTE:
On this model there are hooks on the front and the rear of the body, which allows for binding leaflets in two ways:
1. Using the stapler hooks on the rear panel, alternately set the sheets on the spring, as they perforation.
2. Collect the entire brochure in the spring, after all they will be perforated, using hooks on the front of the body.
Includes the ability to electronically perforate (with the push of an electric pedal) paper, to reduce stress and fatigue on the user. The indentation may be regulated to create a more attractive design and to handle larger documents. The more sheets a document contains, the larger the indentation should be. Disengaging the punch pins allows for customizable binding. Includes the ability to electronically perforate (with the push of an electric pedal) paper, to reduce stress and fatigue on the user.
PRO B-25S / PRO B-30SE
Professional Binding Machines

ADVANTAGES
- All punch pins can be disengaged
- Electric punching management (electric pedal)
- Metal body
- Punch pins of hardened steel
- Big waste tray
- Easy to use
- Open ended punch
- Separate levers for punching and binding (lever of composite material)

FUNCTIONS
- Punches A4 paper
- Punches and binds with plastic springs
- Binding format can be easily regulated
- Adjustable margin depth

APPLICATION
- These binders are designed for companies with a large demand for binding materials.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PRO B-25S</th>
<th>PRO B-30SE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of spring</td>
<td>plastic</td>
</tr>
<tr>
<td>Diameter of spring, mm</td>
<td>6-45 (1/4&quot; - 1 3/4&quot;)</td>
</tr>
<tr>
<td>Format of apertures / quantity of punching holes</td>
<td>2/1</td>
</tr>
<tr>
<td>Wire format</td>
<td>standard 3:1</td>
</tr>
<tr>
<td>Format</td>
<td>A4</td>
</tr>
<tr>
<td>Type of operation</td>
<td>manual</td>
</tr>
<tr>
<td>Punching capacity of 80g/sq.m A4 paper, sheets</td>
<td>25</td>
</tr>
<tr>
<td>Binding capacity of 80g/sq.m A4 paper, sheets</td>
<td>500</td>
</tr>
<tr>
<td>Disengageable punch pins/quantity</td>
<td>+ / all</td>
</tr>
<tr>
<td>Adjustable margin depth, mm</td>
<td>3-9 (1/8&quot; - 1/4&quot;)</td>
</tr>
<tr>
<td>Format adjustment</td>
<td>*</td>
</tr>
<tr>
<td>Waste tray capacity, L</td>
<td>2 (0.5 gal)</td>
</tr>
<tr>
<td>Material of the body</td>
<td>metal</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>460x425x263 (18&quot;x16¾&quot;x10¼&quot;)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>15.3 (33.7 lbs)</td>
</tr>
</tbody>
</table>

Security of Success is the Quality of Punch pins

The punch pins are made of hardened steel, which allows PRO binders to ensure quality perforations, even after a long period of use. The binder offers easy selection of the binding size and indentation to allow the user to make an attractive brochure independent of the quantity of sheets. (Note: The larger the binding and the denser the sheets, the larger the indentation must be to prevent sheets from being torn.)
The perforation can be adjusted for delicate leaflets or heavy notebooks.

Spending a few seconds to change the interchangeable die, any type of binding can be created.

Depending on the interchangeable die, you can choose the shape and quantity of holes created. The universal nature of the perforator allows the user to later create plastic, metallic or spiral bindings.

Buttons allow the user to easily select the size of binding.

The perforation can be adjusted for delicate leaflets or heavy notebooks.

PRO BP
Unique Perforating Modules
Uses All Types of Springs
Possible to Buy Interchangeable Dies

PRO B-MULTI
Suitable for All Types of Springs
Easy to Set Up
**PRO BP / PRO B-MULTI**

Universal Book Binding Punches With Interchangeable Dies and Universal Combination Binding Machine

**ADVANTAGES**

- **PRO BP-series**
  - All punch pins can be disengaged
  - Metal body
  - Punch pins of hardened steel
  - Waste is collected in an easy to empty tray
  - Easy to use
  - Open ended punch
  - Electric punching management (electric pedal) *
  - Separate levers for punching and binding (lever of composite material) **
  - Choice of quantity and shape of holes (depending on the interchangeable dies)

* PRO BP-E26MULTI, ** PRO BP-20MULTI

- **PRO B-MULTI**
  - Setting the size of springs is easier than ever
  - Magnetic trap (for metallic spring)

**FUNCTIONS**

- **PRO BP-series**
  - Punches A4 paper
  - Binding format can be easily regulated
  - Adjustable margin depth

- **PRO B-MULTI**
  - Creates bindings with all types of springs

**APPLICATION**

These binders are suitable for professional use in printing and advertising companies.

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**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>PRO BP-20MULTI</th>
<th>PRO BP-E26MULTI</th>
<th>PRO B-MULTI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of spring</td>
<td>Plastic / metal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Format of apertures / quantity of punching holes</td>
<td>Depending on the interchangeable dies</td>
<td>From 6 to 45 / 3/16&quot; – 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>Wire format</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disengageable punch pins / quantity</td>
<td>A4</td>
<td>Electric, ~220V/50Hz</td>
<td>Manual</td>
</tr>
<tr>
<td>Adjustable margin depth, mm</td>
<td>3-9 (1/8&quot; x 3/8&quot;)</td>
<td>9 (15/32&quot; x 3/8&quot;)</td>
<td>6 (1/4&quot; x 3/8&quot;)</td>
</tr>
<tr>
<td>Format adjustment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waste tray capacity, L</td>
<td>2 (0.5 gal)</td>
<td>3 (0.5 gal)</td>
<td>2 (0.5 gal)</td>
</tr>
<tr>
<td>Material of the body</td>
<td>Metal</td>
<td>Plastic</td>
<td></td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>320 x 460 x 285</td>
<td>320 x 460 x 285</td>
<td>320 x 460 x 285</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>9.6 (21.1 lbs)</td>
<td>15.3 (34 lbs)</td>
<td>21 (46 lbs)</td>
</tr>
</tbody>
</table>

**Interchangeable Dies for Book Binding Punches Series PRO BP**

<table>
<thead>
<tr>
<th>Die Code</th>
<th>Type of Spring</th>
<th>Wire Format</th>
<th>Format of Apertures</th>
<th>Quantity of Punching Holes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BS-21A</td>
<td>Plastic</td>
<td>3:1</td>
<td>3:1</td>
<td>21</td>
</tr>
<tr>
<td>BS-35B</td>
<td>Metal</td>
<td>3:1</td>
<td>3:1</td>
<td>35</td>
</tr>
<tr>
<td>BS-23D</td>
<td>Metal</td>
<td>2:1</td>
<td>2:1</td>
<td>23</td>
</tr>
<tr>
<td>BS-35C</td>
<td>Metal</td>
<td>3:1</td>
<td>3:1</td>
<td>35</td>
</tr>
<tr>
<td>BS-23C</td>
<td>Metal</td>
<td>2:1</td>
<td>2:1</td>
<td>23</td>
</tr>
<tr>
<td>BS-49E</td>
<td>Metal</td>
<td>Spiral</td>
<td>Spiral</td>
<td>49</td>
</tr>
<tr>
<td>BS-59E</td>
<td>Metal</td>
<td>Spiral</td>
<td>Spiral</td>
<td>59</td>
</tr>
</tbody>
</table>

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PRO INTELLECT TECHNOLOGY | Banknote counters | Banknote sorters | Currency detectors | Discriminators | Coin sorters | Coin counters | Paper shredders | Binders | Laminators | WWW.PRO-INTELL.COM

Book Binding Punches / Universal
Durable construction of the laminator’s internal components ensures a long life and reliable use.

Ventilation of the internal components helps to prevent the laminator from overheating.

All models are built with 4 rollers, which are made of heat-resistant silicon rubber to maintain correct operation, even in high temperatures.
**PRO MS**

Laminators

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**ADVANTAGES**

- Offers models for paper sizes from A5 to A2
- Durable metallic body
- Achieves operating heat quickly
- Smooth regulation of temperature
- Includes 4 external heating rollers
- Reliable construction
- Reverse
- Capable of working with laminate from 50 to 260mkm
- Indicator shows the device is ready to operate
- Cooling system *

* PRO MS-A4, PRO MS-A3, PRO MS-A3+, PRO MS-A2

**FUNCTIONS**

- Hot lamination
- Cold lamination **
- Stamping

** PRO MS-A3, PRO MS-A3+, PRO MS-A2

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**APPLICATION**

- For any business or organization that has a need for professional and durable documents.

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**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>PRO MS-A5</th>
<th>PRO MS-A4</th>
<th>PRO MS-A3</th>
<th>PRO MS-A3+</th>
<th>PRO MS-A2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>A5</td>
<td>A5, A4</td>
<td>A5, A4, A3</td>
<td>A5, A4, A3+</td>
<td>A5, A4, A3+, A2</td>
</tr>
<tr>
<td>Laminating speed, mm/min.</td>
<td>350 (14”/min)</td>
<td>650 (25.5”/min)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cold lamination</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Adjustable temperature, °C</td>
<td>80-180</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Maximum thickness of laminating package, mm</td>
<td>1.2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Thickness of laminating film, mm</td>
<td>50-260</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Quantity of rollers</td>
<td>4</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Power supply, V/Hz</td>
<td>- 220 / 50 (–110 / 60 for U.S.)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Power consumption, W</td>
<td>320</td>
<td>420</td>
<td>620</td>
<td>620</td>
<td>820</td>
</tr>
<tr>
<td>Dimensions, mm</td>
<td>340x200x110 (13½”x8”x4½”)</td>
<td>400x200x110 (15½”x8”x4½”)</td>
<td>500x200x110 (19”x8”x4½”)</td>
<td>500x200x110 (19”x8”x4½”)</td>
<td>630x200x110 (24½”x8”x4¼”)</td>
</tr>
<tr>
<td>Net weight, kg</td>
<td>5.2 (11.5 lbs)</td>
<td>6.0 (13.2 lbs)</td>
<td>7.4 (16.3 lbs)</td>
<td>7.6 (16.7 lbs)</td>
<td>10 (22 lbs)</td>
</tr>
</tbody>
</table>

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**COST LEVEL**

- PRO MS-A5: A5, A4
- PRO MS-A4: A5, A4
- PRO MS-A3: A5, A4, A3
- PRO MS-A3+: A5, A4, A3+, A2
- PRO MS-A2: A5, A4, A3, A3+, A2

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**EXTERNAL HEATING ROLLERS**

Laminators that incorporate rollers have always provided a higher quality of lamination than hot plates. However, for the highest quality, external heating rollers are the way to go. They offer the ability to work with regular paper as well as paper with a glossy surface and provide a clean, smooth protective cover for your documents.

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**INTERESTING NOTE:**

The melting point of a standard film’s adhesive layer is around 88°C, and the base of the film begins to melt and wrap at temperature above 265°C

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How to Choose Laminate

**Format**

Laminates come in formats that are closely related to standard paper formats. It’s important to purchase laminate films that are as close to the size of your documents as possible, to avoid excessive waste.

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**Density of Film**

Standard laminate film comes in thicknesses of 60, 75/80, 100, 125, 150, 175, 200, and 250 microns. The thinner the laminate, the more flexible the final product will be. These films offer solid protection against dust and moisture.

Ticker laminates are generally used for identification cards and offer greater protection against wear and tear.

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**Type of Film**

Laminate serves for more than just protection. Glossy films give the document brighter and more vibrant colors. A matte film is used to eliminate light reflection and provide a soft finish. Flex-based laminates can offer frosty or holographic patterns and are used for laminating photos and souvenirs.

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**APPLICATION**

For any business or organization that has a need for professional and durable documents.
The icons, which are used in the description of equipment

**Banknote counters, coin counters, currency counterfeit detectors, discriminators**

- Power source, 4AA batteries
- Sound indication mode
- Counting speed
- Verification by white backlight
- Summation
- Presence of magnifying glass
- Coin sorting
- Built-in clock and calendar
- Batch mode for coins
- Automatic start
- Able to be powered by a battery
- Audio warning in the event of a suspicious banknote
- UV detection
- Magnetic detection
- Capable of checking A4 documents
- Calculation of results
- Ability to connect to a PC
- Ability to connect to a printer
- Power source, 2AA batteries
- Hopper capacity
- Verification by direct white light
- Low noise level
- Built-in clock and calendar
- Batch mode for banknotes
- Banknote size detection
- Verification of banknotes in a fan shape
- Automatic power (on / off) sensor
- Power cable
- Audio warning
- Ability to powered by a car adapter
- Audio warning by UV verification
- Magnetic detection
- Capable of checking A4 documents
- Batch mode for coins
- Built-in clock and calendar
- High shredding speed
- A4 format and T shredding type
- Shreds staples and clips
- Sheet capacity
- Format adjustment up to A4
- Format of apertures: square
- A4 format and T shredding type
- Weighted base
- Format of apertures: rectangular
- Adjusted margin depth
- Format of apertures: round
- Open ended punch (for any formats)
- Disengageable punching dies
- Type of spring (plastic / metal)
- Security level
- Envelope opener
- Shreds staples and clips
- Pencil sharpener
- Ability to view the fullness of the waste bin
- Shreds CDs
- Shreds CDs and plastic cards

**Binders**

- "IT" shape handle
- Format adjustment up to A4
- Different formats of apertures
- A4 format and T shredding type
- Disengageable punching dies
- Type of spring (plastic / metal)
- Adjustable margin depth
- Format of apertures: square
- Format of apertures: rectangular
- Format of apertures: round
- Open ended punch (for any formats)
- Weighted base
- Security level
- Sheet capacity
- Envelope opener
- Shreds staples and clips
- Pencil sharpener
- Ability to view the fullness of the waste bin

**Paper shredders**

- Type of spring (plastic / metal)
- Adjustable margin depth
- Format of apertures: round
- Shreds CDs
- Shreds CDs and plastic cards