High-Speed Guillotine
pro-tec 115, 137
The new control
Excellent functionality

100% CIP3 (PPF) and CIP4 (JDF) compatible

Data can be read offline via USB interface or online via Ethernet interface. Conversion into a cutting programme is done fully-automatically. Since 1995 already Wohlenberg guillotines are CIP3-compatible and provide state-of-art PC technology.
The basic principle of the control is a manual input via a key pad and a touch screen. The operating direction, and therefore also the alignment and the order of the elements and input fields, go from right to left, specified by the order of the key pad. The distance between the screen and control are kept short for the user and are logical; there are few image changes. Only currently relevant and executable actions are displayed. All actions are shown on the screen in a visually comprehensible manner.

Colour conducting system of the surface
The Wohlenberg - Standard: series equipment

Award-winning interactive operating interface

New modular-design PC control
More than 10,000 programmes can be stored. Each machine is equipped with a language package of your choice. This package comprises up to 10 different languages.

Operating system Windows CE
High operational reliability. No problems in case of power failures.

CIP3 (PPF) and CIP4 (JDF) compatible
After reading of CIP3 (PPF) or CIP4 (JDF) files a cutting programme is automatically generated.

USB Interfaces
A good-value and everywhere available storage medium for interchanging cutting programmes are USB memory sticks. For back-up of your stored programmes as well as ‘off-line’ reading of CIP3 (PPF) and CIP4 (JDF) files.

Touch screen
12-inch high-quality TFT display
Ethernet interface
For 'online' readin of CIP3 (PPF) and CIP4 (JDF) files.

New ergonomically adapted two-hand guard start
Fatigue-less working for hours.

Backgauge positioning by joystick
Extremely accurate and easy to operate.

Backgauge drive through servomotor (370 i.e. 400 mm/sec)
Quick positioning of cutting material up to 370 mm/sec. at pro-tec 115 and up to 400 mm/sec. at pro-tec 137. Backgauge speed adjustable as well as the backgauge acceleration and braking. Advantageous in case of sensible cutting material.

Clamp bar stop function
Automatic brief stop of clamp bar above product after each cut. Time optimisation of the entire cutting process. Increase of productivity.

Programmable clamp pressure
No manual wheel required any longer for pre-setting of clamp pressure. Clamp pressure is determined in control menu.
Central lubrication
All greasing points of the machine are centrally supplied. Easy to maintain and to operate. No chance that greasing points are missed out.

Stainless-steel laminated machine table
(2 mm) absolutely stainless. Excellent gliding quality.

New, easy to maintain switch cabinets (accessible from the front)

Greatest stability through new optimised cast iron frame and new table support
The torsion-free cutting unit is ideally suited for high demands and guarantees highest cutting accuracy for decades.

Low maintenance electromagnatic clutch
No loss of oil as with a hydraulic clutch.

Safety light barrier
45 infra-red channels are constantly monitoring the front table of the guillotine.

Positioning system
Servo-drive . Precision ball screw. Linear guide.

Air table with blower
Narrow spacing of the air valves and large air flow profiles provide a strong air cushion.

Automatic clamp pressure adjustment
The clamp pressure is automatically set according the cutting material size.

Automatic safety knife change from the front
Instructions on the display assist the operator during knife-change. The knife change protection device provides highest safety standard for the machine operator. No knife’s chipping during knife-change. New positive-fit knife support above eccentric bolt.

Adjusting spindle with fine thread
Knife adjustment from the front. By means of an adjusting spindle knife grind can precisely be compensated.
ASE (automatic waste disposal)
Off-cuts are disposed of underneath the front table. Disposal of sharp-edged chips without risk of damage (e.g. aluminium chips). The Wohlenberg ASE is an efficient rationalisation potential, increasing the productivity of the guillotine. The newly developed ASE is retractable up to 4 mm. Opening and closing of the table by electric driven motor. Up- and down movement is performed pneumatically.

Swinging / tilting backgauge
Max. swinging angle: 0,4º, max. tilting angle 1,2º. Motor-driven correction of over- and under cut (tilting function). Alignment of printing image parallel to cutting line (swinging function).

Retractable side gauge
The newly developed retractable side gauge is firmly installed on the machine and allows a 100 percent alignment.

Hold-down device
The layer to be cut is clamped at the backgauge by means of a clamping device, thus preventing the bulging/creeping of sheets which tend to roll up.

Register backgauge
Used for angular cutting of sheets out of square. The cutting material is not deposited at the backgauge but at special plastic plates which are individually positioned. Important in case of concave, convex or sheets out of square.

Flexible clamp plate
For compensating different heights of cutting material or wavy paper stacks.

Protection device at rear table, flexible
Prevents contact with the knife from the rear of the machine. The perspex cover can be hinged off for cleaning the knife.

Options: The machine grows with customer’s demands
*new swinging / tilting backgauge
*new retractable side gauge
*new hold-down device on backgauge
*These options are suited for later installation.
Wohlenberg High-Speed Guillotine
pro-tec 115, 137

Basic equipment

- Touchscreen
- TFT display
- USB interface
- CIP3 (PPF) and CIP4 (JDF) compatible
- Ethernet interface
- Backgauge drive through servo motor
- Clamp bar stop function
- Programmable clamp pressure
- Automatic clamp pressure adjustment
- Safety light barrier
- Stand-by function
- Air table with blower
- Clamp plate (80 mm)
- 2 knives
- Protection device on rear table
- Operating tools
- Hydraulic oil
- Operating instruction
- CE certificate and certificate of conformity according machine regulations
- Electric equipment for A.C. 400V, 50 cycles, 3 phases

Safety engineering

The cut is actuated by a two-hand guard start. The downward movement of the knife is immediately stopped when one of the buttons is no longer pressed. The self-control safety light barrier operates fully-electronically and is maintenance-free. It is constantly active and subject to a check before each cut. The mechanical safety bolt is an additional feature against double-cycling of the knife. All machine functions are permanently monitored. Malfunctions are shown on the display.

- Electronic safety light barrier
- Two-hand guard start
- Mechanical safety bolt
- Safety knife change
- Safety pressure for cut indicator
- Mechanical overload device

Besides paper and cardboard, also offset plates, felt, rubber, floor coverings, wooden veneers, leather etc. are cut without problems.
<table>
<thead>
<tr>
<th>Technical Data</th>
<th>115</th>
<th>137</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>High Speed Guillotine pro-tec</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cutting length</td>
<td>1150</td>
<td>1370</td>
</tr>
<tr>
<td>Depth of front table</td>
<td>754</td>
<td>754</td>
</tr>
<tr>
<td>Depth of rear table</td>
<td>1178</td>
<td>1510</td>
</tr>
<tr>
<td>Feeding height without clamp plate</td>
<td>165</td>
<td>165</td>
</tr>
<tr>
<td>Feeding height with clamp plate</td>
<td>160</td>
<td>160</td>
</tr>
<tr>
<td>Table height</td>
<td>900</td>
<td>900</td>
</tr>
<tr>
<td>Knife movement speed</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Clamp pressure, steplessly adjustable</td>
<td>2.5 - 40</td>
<td>2.5 - 45</td>
</tr>
<tr>
<td>Smallest cut with clamp plate</td>
<td>97</td>
<td>97</td>
</tr>
<tr>
<td>Smallest cut without clamp plate</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Total connected load</td>
<td>6.4</td>
<td>7.4</td>
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<tr>
<td>Motor capacity</td>
<td>3.0</td>
<td>4.0</td>
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<tr>
<td>Fuse for main supply</td>
<td>3 x 16</td>
<td>3 x 20</td>
</tr>
<tr>
<td>Weight of machine frame</td>
<td>2000</td>
<td>2400</td>
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<tr>
<td>Weight of table</td>
<td>1050</td>
<td>1510</td>
</tr>
<tr>
<td>Strain on floor incl. 30% shock load</td>
<td>10</td>
<td>10</td>
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</table>

### Dimensions

<table>
<thead>
<tr>
<th>pro-tec</th>
<th>115</th>
<th>137</th>
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</thead>
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<tr>
<td>height (a)</td>
<td>1640</td>
<td>1640</td>
</tr>
<tr>
<td>width (b)</td>
<td>2787</td>
<td>3021</td>
</tr>
<tr>
<td>depth (c)</td>
<td>2579</td>
<td>2932</td>
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<tr>
<td>table height (d)</td>
<td>900</td>
<td>900</td>
</tr>
<tr>
<td>front table depth (e)</td>
<td>754</td>
<td>754</td>
</tr>
<tr>
<td>rear table depth (f)</td>
<td>1178</td>
<td>1510</td>
</tr>
</tbody>
</table>
Under the umbrella of the PostPress-Company the three renowned manufacturers of production lines and systems for finishing print products join forces.

To you, our customer this is of an enormous advantage. You will receive efficient systems which components are perfectly co-ordinated - thus providing the accustomed outstanding quality-standard for which Wohlenberg and Baumann products stand for.

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