



Post Press Company



High-Speed Guillotine pro-tec 115, 137

wohlenberg[®]

The new control

Excellent functionality

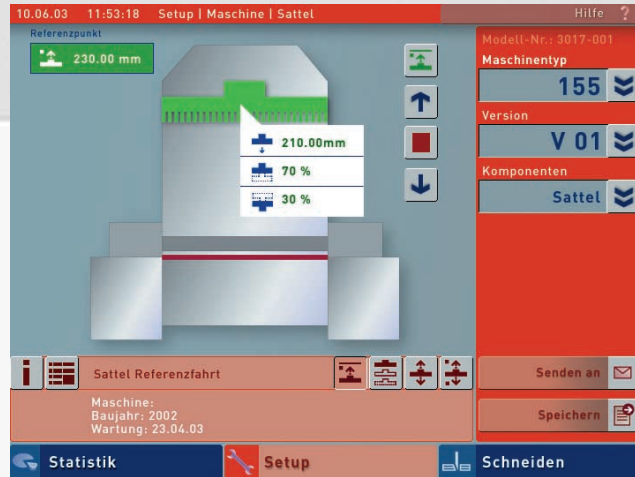


design award
winner
2004



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

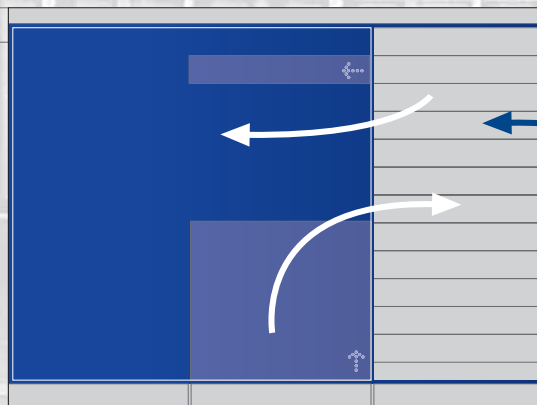
Data can be read offline via USB interface or online via Ethernet interface. Conversion into a cutting programme is done fully-automatically. Since 1995 already Wohlenberg guillotines are CIP3-compatible and provide state-of-art PC technology.





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



Wohlenberg High-Speed Guillotine

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The Wohlenberg - Standard: series equipment

Award-winning interactive operating interface

Extremely easy to operate. Graphical display of the sheet to be cut. Fully automatic, single copies, programme cut, repeat cut. Clamping only, no cut. Actual value transfer. Hints for paper rotating. Automatic paper ejection. Feed correction. Correction of multiple-ups. Password protection for cutting programmes. Pocket calculator function. Alpha-numeric programme sorting. Cut-counter. State-of-art machine self-diagnosis. Auxiliary texts for operator's guidance. Automatic stand-by function.

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.

Touch screen

12 - inch high-quality TFT display

Operating system Windows CE

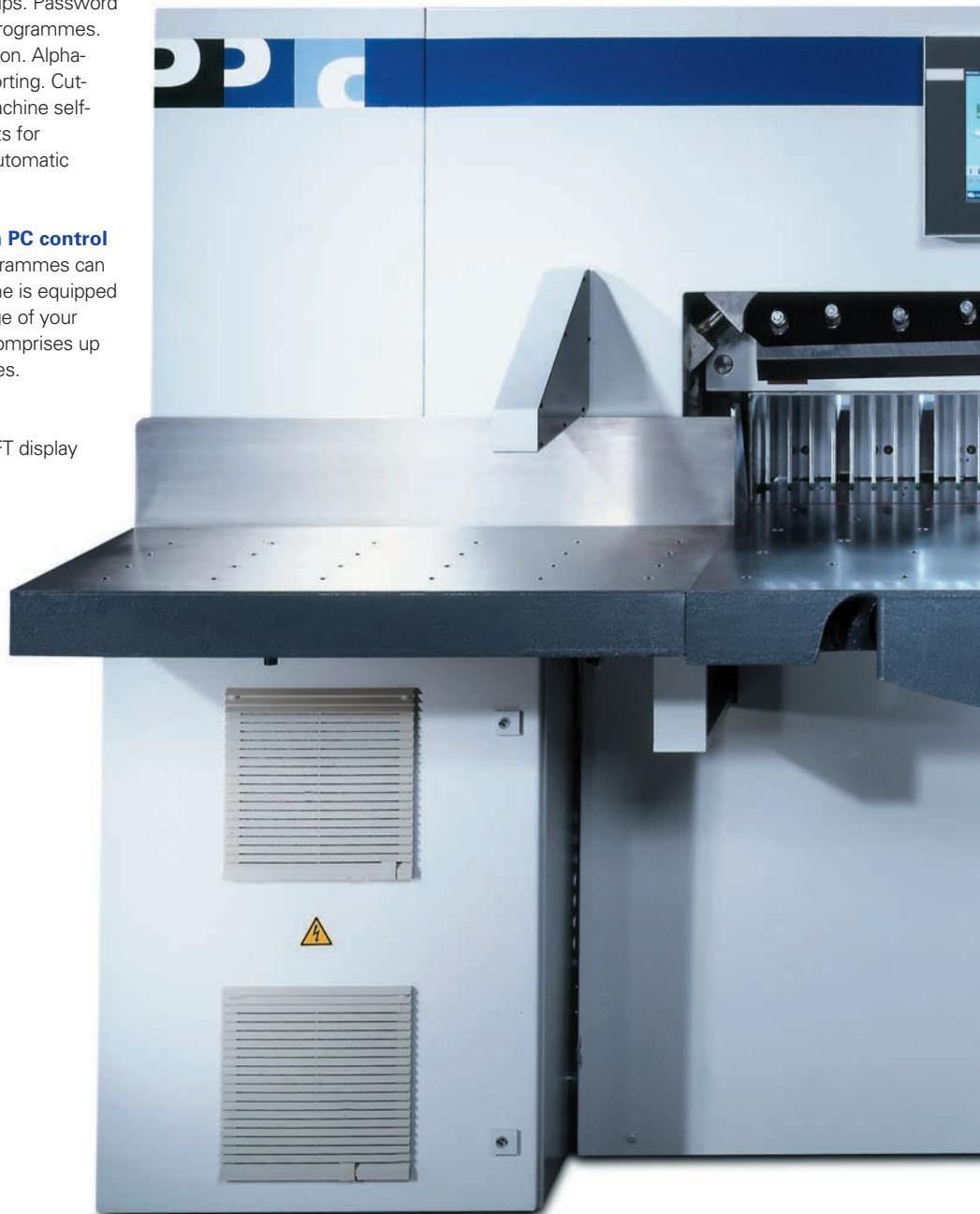
High operational reliability. No problems in case of power failures.

CIP3 (PPF) and CIP4 (JDF) compatible

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

USB Interfaces

A good-value and everywhere available storage medium for inter-changing cutting programmes are USB memory sticks. For back-up of your stored programmes as well as 'off-line' readin of CIP3 (PPF) and CIP4 (JDF) files.



Ethernet interface

For 'online' reading 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.



Wohlenberg High-Speed Guillotine

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Automatic clamp pressure adjustment

The clamp pressure is automatically set according to 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.

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 electro-magnetic 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.

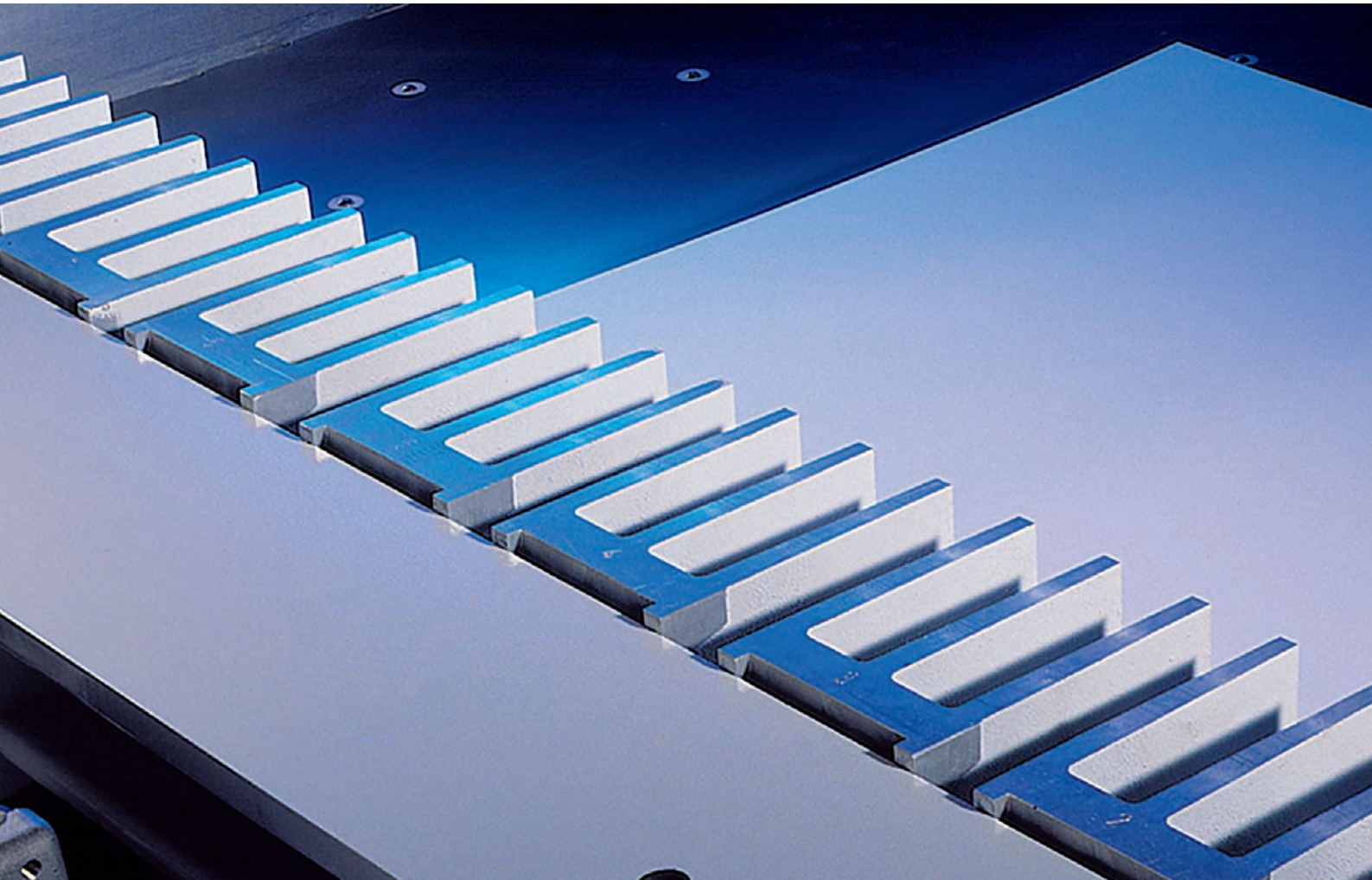
Positioning system

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.

Option: Swinging/tilting backgauge



Wohlenberg High-Speed Guillotine

Options

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: 0,4°, max. tilting angle 1,2°. 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

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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 (90 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.

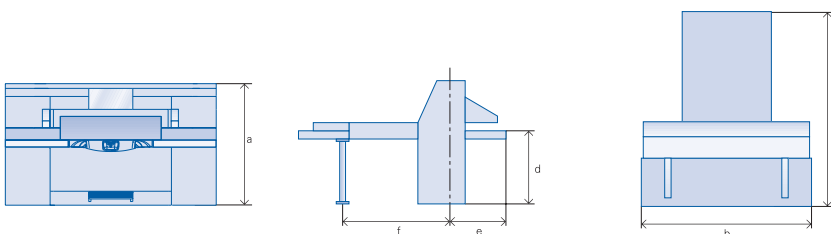
- Electronic safety light barrier
- Two-hand guard start
- Mechanical safety bolt
- Safety knife change
- Safety pressure for cut indicator
- Mechanical overload device

Besides paper and cardboard, also offset plates, felt, rubber, floor coverings, wooden veneers, leather etc. are cut without problems.



Technical Data

High Speed Guillotine pro-tec	115	137	
Cutting length	1150	1370	mm
Depth of front table	754	754	mm
Depth of rear table	1178	1510	mm
Feeding height without clamp plate	165	165	mm
Feeding height with clamp plate	160	160	mm
Table height	900	900	mm
Knife movement speed	50	50	cycles/min.
Clamp pressure, steplessly adjustable	2,5 - 40	2,5 - 45	kN
Smallest cut with clamp plate	97	97	mm
Smallest cut without clamp plate	30	30	mm
Total connected load	6,4	7,4	kVA
Motor capacity	3,0	4,0	KW
Fuse for main supply	3 x 16	3 x 20	A with 400 VAC
Weight of machine frame	2000	2400	KGs
Weight of table	1050	1510	KGs
Strain on floor incl. 30% shock load	10	10	kN/m ²



Dimensions

pro-tec	115	137	
height (a)	1640	1640	mm
width (b)	2787	3021	mm
depth (c)	2579	2932	mm
table height (d)	900	900	mm
front table depth (e)	754	754	mm
rear table depth (f)	1178	1510	mm



The PostPress-Company

Your partner for Finishing

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.

Whenever reliability, efficiency, flexibility and first-class service is required - the Post-Press Company Systems are first choice.

Cutting Systems



- High Speed Guillotines
- Three-Knife Trimmers

Paper-Handling-Systems



- Paper-Handling Systems
- Pile Turners

Binding Systems



- Perfect Binders
- Gatherers

Wohlenberg Schneidesysteme GmbH

Wohlenbergstrasse 8
30179 Hannover

FON: +49 (0)511/63 97-0
FAX: +49 (0)511/63 97-113

<http://www.postpresscompany.com>
e-mail: info@wohlenberg.de

wohlenberg[®]