

baumannperfecta | 80 Basic

High-speed cutters for small formats



Precision cutting – safe operation.

- PLC-controlled
- Hydraulic clamping mechanism
- Hydraulic knife drive
- Wide front table

In addition to the robust hydraulic basic concept, the BP 80 Basic impresses with its user-friendly operation and precise cutting performance – ideal for professional use in modern cutting operations.

Specifications

Cutting width	[mm]	800
Insertion depth	[mm]	800
Max. insert height without false plate	[mm]	100
Table height	[mm]	930
Residual cut without/with false plate	[mm]	25/50
Cutting accuracy	[mm]	0,1
Main drive power	[kW]	3,8
Net machine weight	[kg]	900
Dimensions set-up (W x H x D)	[mm]	1645 x 1500 x 1900
Front table length	[mm]	650
Wide front table	[mm]	1640

The values given may vary depending on the equipment / additional options.

Basic machine

- Cutting format: 800 × 800 mm
- Max. stacking height: 100 mm
- Cutting accuracy: up to 0.1 mm
- Cutting capacity: up to 16 cycles/minute
- Pressure: hydraulic, infinitely variable via touchpad
- Pressure force: 300 – 2000 daN
- Drive: hydraulic knife drive
- Power supply: 3-phase, 380-400V, 50Hz 3.8 kW
- Transparent rear table cover (non-hinged)
- Equipped with 1 set (two pieces) of HSS knives and 1 set (10 pieces) of cutting sticks for HSS knives
- Incl. jogger block (wooden)
- Incl. knife change holder
- Incl. hydraulic oil (already filled)

Control and operation

- Touchpad 10" LCD, colored
- Cutting accuracy: up to 0.1 mm
- Cutting capacity: up to 16 cycles/minute
- Feed: Servo motor, speed up to 160 mm/s, two-stage, accuracy ± 0.1 mm
- Quick knife change with automatic shut-off in the lower dead center
- Knife depth adjustment at the front of the machine via two screws on the knife housing
- Quick program for cutting business cards
- Memory capacity up to 100 programs



Security relevance

- Safety device at the front of the machine
- Control of the upper position of the knife
- Emergency stop switch ("mushroom switch")
- Two-hand operation for cutting cycle
- Tool set for safe knife change (fully protected blade)
- Protective covers at all danger points
- Fully enclosed rear table
- Mechanically controlled foot pedal for feeding

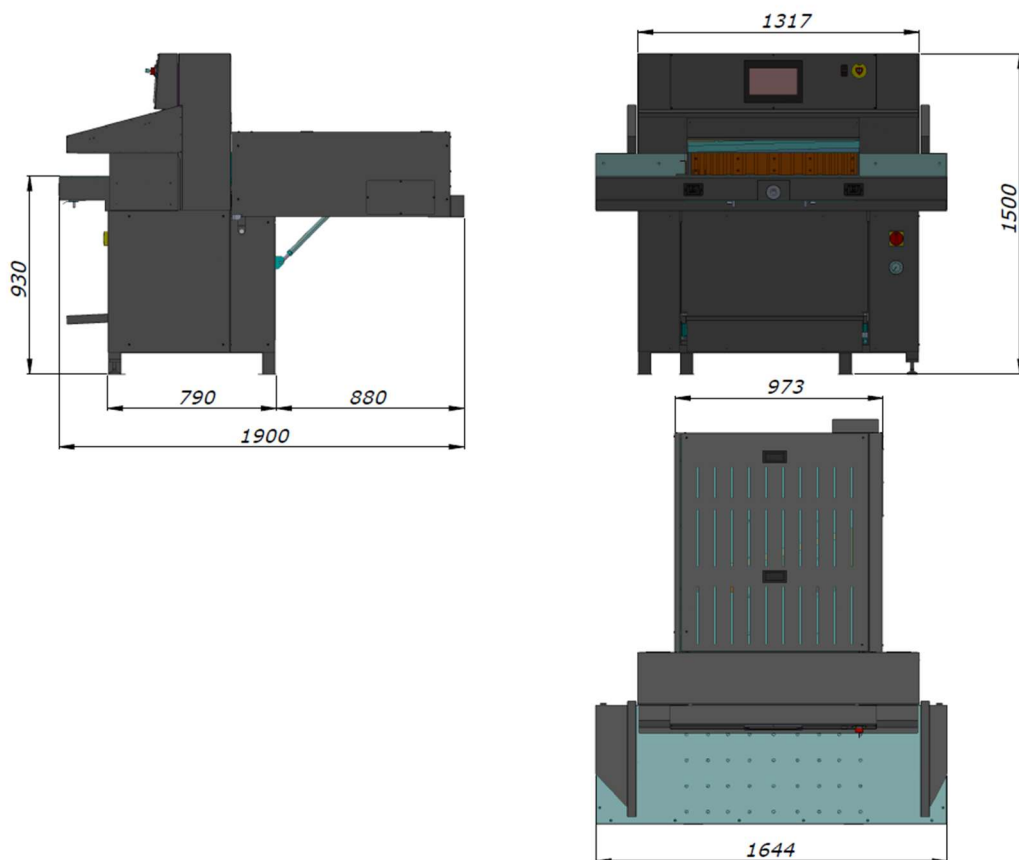
Quality

- Energy-saving and quiet operation – motor only runs during the cutting cycle
- Electronic pressure control via touchscreen
- Stainless steel table surface, resistant and durable
- Wide front work table: 1640 mm
- Laser cutting line (can be switched on/off)
- LED work area lighting
- Easy accessibility of all lubrication points
- Removable front and rear tables – transport possible through 80 cm door

Principle

Highest cutting accuracy – precise, efficient and safe.

The hydraulic cutting machine is ideal for the precise cutting of a wide variety of materials. Thanks to electronic control of the hydraulic power, PLC control and servo motor drive, it ensures maximum cutting precision, simple operation and a high level of occupational safety. The removable tables allow the machine to be easily installed even in space-constrained areas.



Status: 10/2025 | Subject to technical changes | Images can get additional options.