High Speed Cutter

Precision and Performance

For the cutting widths 80 | 92 | 115 | 132 | 168 | 225 cm

MADE IN GERMANY

115

baumannPERFECTA

we **solve** it

- Sustainable and efficient with new cutting cell for significantly longer knife life

- Functional and clear – new design with large, inclinable touchscreen

- Simple and intuitive with the new control generation CUTPIT

High speed cutter

The baumannperfecta high speed cutters appear in a new and modern design, focused on functionality, ergonomics and safety. Centrepiece of the new design is the 24"large, inclinable display which offers and ideal view and thus full control for any operator. In combination with the new developed CUTPIT control, the machine operation is easier than ever.   Another highlight is the also new developed cutting cell that grants a significantly longer knife life thanks to an innovative damper system. Thanks to the modular concept, the high speed cutters can be easily complemented by other peripheral machines and thus may offer complete system solutions through to fully automatic cutting systems.

new control *CUTPIT*

Inclinable 24" Display

ergonomic
machine design

New cutting cell for
longer knife life

Integrated,
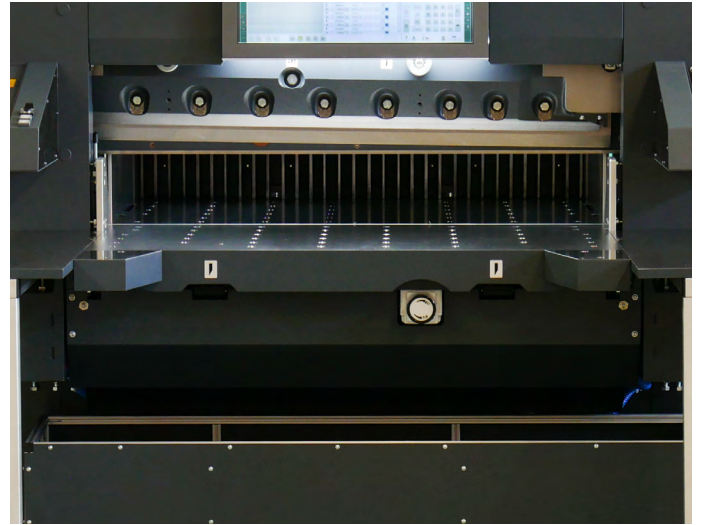lockable
tool cabinet

Quality Made in Germany

The baumannperfecta high speed cutters are completely developed in Germany and manufactured at our plant based in Bautzen, Saxony. The robust basic construction of the machine frame ensures a smooth run and precise cutting results. The used components and parts, as for example the low-wear spur gearings, are designed for continuous operation so that the machines may run in three shifts, around the clock. Highest safety standards including GS and CE certification ensure safe operation for human and machine.

Perfect cutting results

Precision and performance characterize the baumannperfecta high speed cutters. Thanks to the easy operation and process image display of the actual job, the operator has full control over the actual cutting process.

The newly developed cutting cell with the innovative, active damper system automatically regulates the cutting pressure, thus offering a much longer knife life. Like this, costs for both - knife sharpening and spare parts - are considerably reduced.

High availability

The high speed cutters are designed for a 3-shift operation. The systems support you in maintenance work such as changing knives, lubricating, cleaning, etc., which are shown in the new control system by animations that guide the operator. An additional sensor system monitors the work steps during maintenance and thus prevents errors and the resulting breakdowns. This extensive service package is supported by the possibility of a remote service via remote maintenance to be able to act much faster.
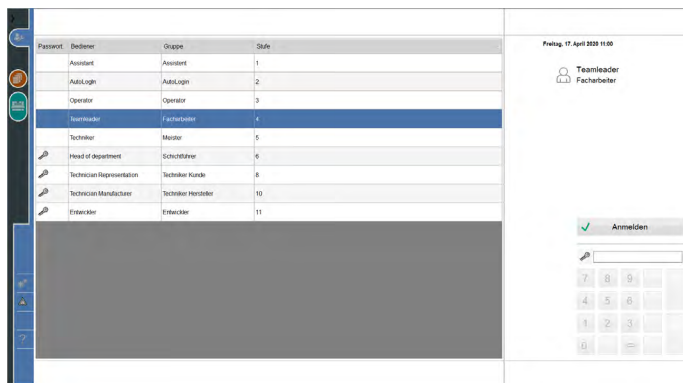
Moreover, each machine is equipped with an integrated, lockable tool cabinet containing necessary tools for knife change and maintenance works.

Another innovation is the full coverage of the rear table, which prevents direct access to the back gauge. The cover is not only used for safety, but also ensures the drive spindle and the guide to remain free from dust and dirt.
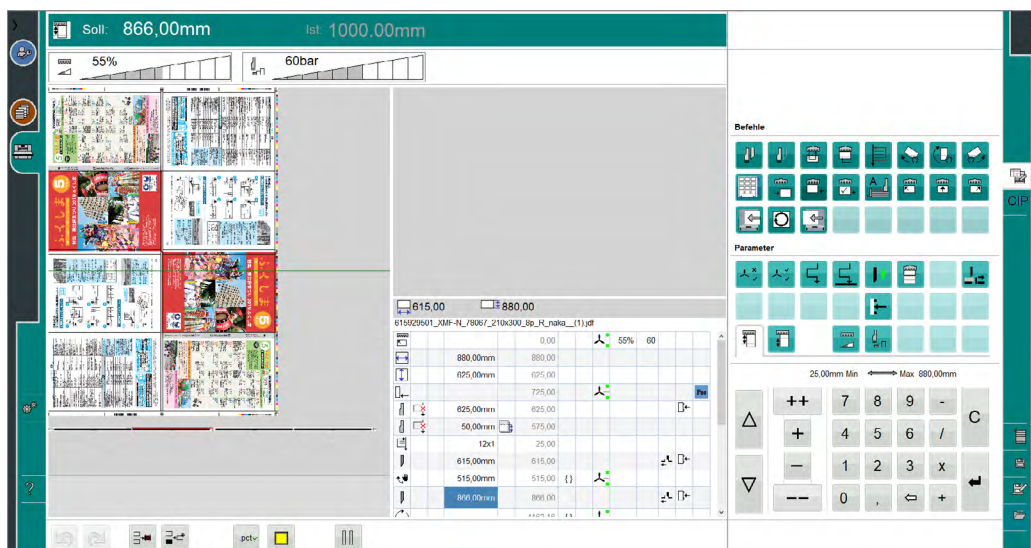
New CUTPIT Control

The centrepiece of the new control system Cutpit is the newly developed Software and the 24"Display capacitive touchscreen. An easy operation and optimized overview are guaranteed through a newly structured large user interface. It is flexible structured and the size (space for process visualization and real time animation) is adjustable based on the programming and graphical area. Connectivity to the pre-existing workflow environment of the client is granted through the standard network interface.

By creating user accounts with password protection, various authorize levels may be determined. Like this, only the processing of orders may be released for the operator while the shift supervisor is also authorized to adjust settings. Moreover, an individual configuration can be set for each user, for example with reference for the used format air regulation or back gauge speed.
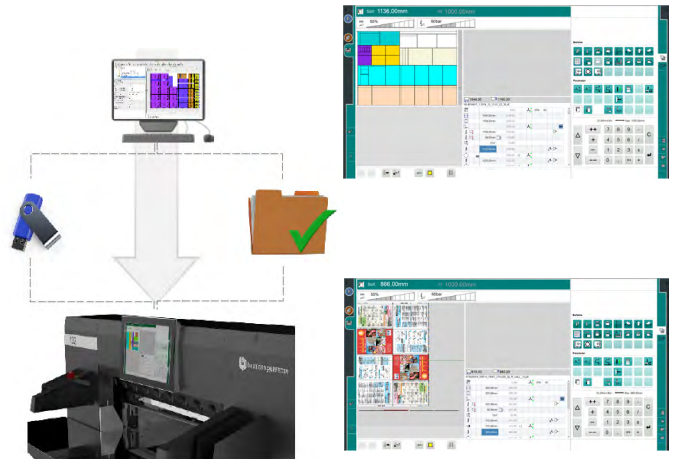
The prepress data processes and feedback of production data can be optionally integrated into the software and do not require any additional hardware. Like this, the prepress data can be dimensionally adjusted and the cutting sequence individually changed. The configuration of the machine will be automatically considered in the generated cutting program. After the finalization of the setting, all processes can be automatically visualized. All generated production data (Job name, job cycle, number of cuts, Operator, maintenance related information) can be submitted and integrated through the file format .txt to numerous MIS systems.

CutTronic

The comfortable software for efficient job processing.

CutTronic is our software solution for the automation of work processes within the post-press-area. Pre-press CIP3/4 files are taken over by CutTronic and translated into cutting programs. Once generated the cutting program in the control of the machine, the cutting process can run fully automatically. The data can be introduced via a shared network folder or directly via USB-Stick. The control automatically generates a finished cutting program with real image display from the CIP compliant prepress data.
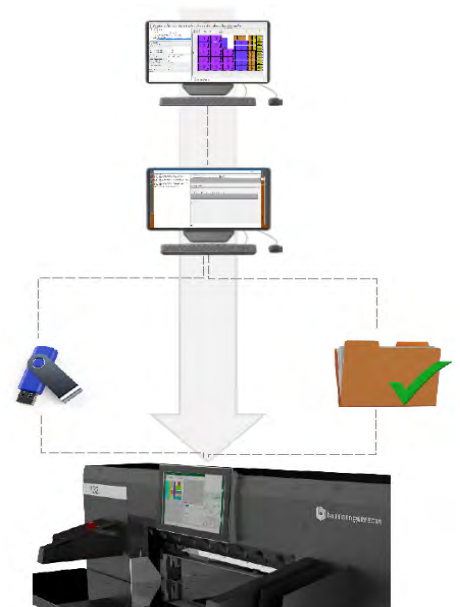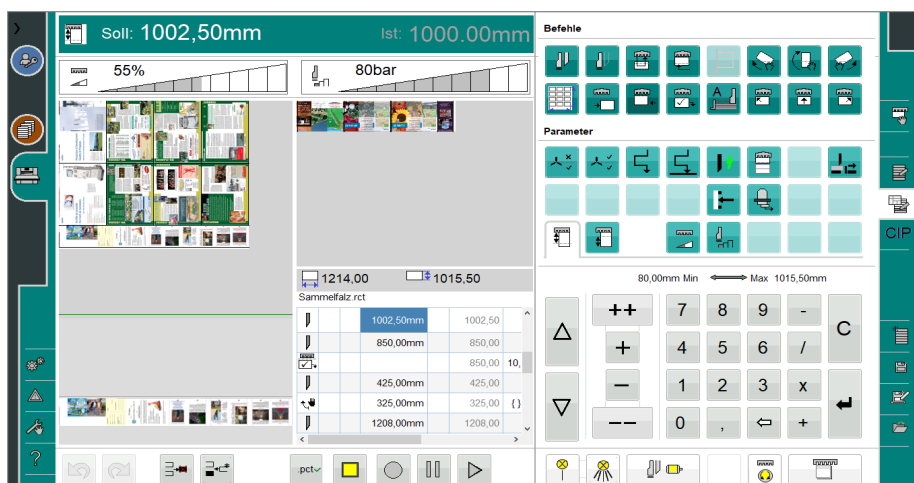
CutTronic Plus

CutTronic Plus offers an additional benefit. Existing CIP3 / 4 data can be post-processed externally and thus optimally adapted to the workflow. The data can be transmitted to the machine in three ways: via USB, Ethernet or wirelessly via WLAN. CutTronic Plus offers you flexibility in the workflow.

Your advantages with CutTronic Plus

The use of pre-press data in CIP 3 / CIP 4 format
• Creation of cutting programs with all cutting formats and commands
• No incorrect cutting dimensions through automatic or guided programming
• Variable use of the cutting program on different systems
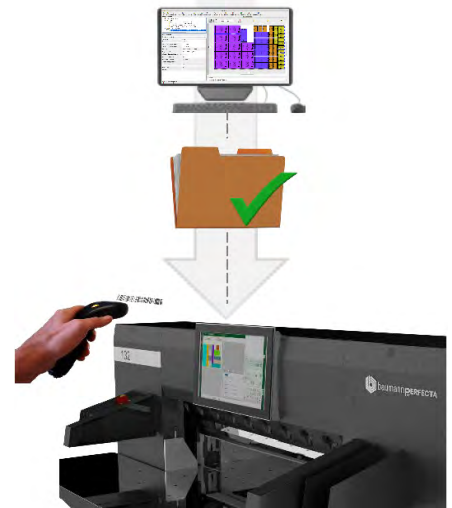• hecking the jobs by real image display

Straight 2 Cut - cutting programs via scanner

The processing takes place directly in the high speed cutter. The prepress data is scanned via barcode and converted into cutting programs directly on the cutter.

Straight 2 Cut consists of the following 4 modules:

- CutTronic – pre-press data is automatically converted into a cutting program
- Hotfolder – fast and easy connection of the machine to the network
- Barcode-reader – direct opening of the order file without searching
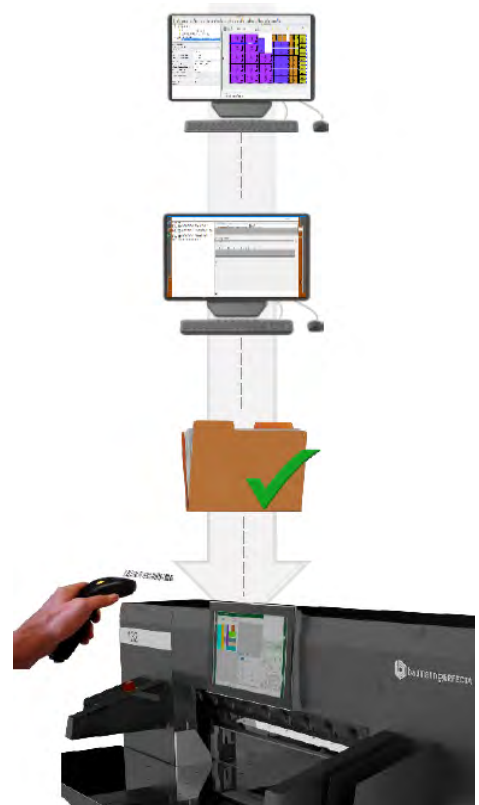- Graphic process visualization directly on the display

Straight 2 Cut Plus

The prepress data or already saved cutting programs are called up via a barcode scanner and converted into cutting programs on the cutting machine. Alternatively, a cutting program generator ensures an interactive and automatic program creation via a workstation parallel to the cutting process.

Your advantages with a Straight 2 Cut Plus solution

- Creation of cutting programs with all cutting dimensions and commands
- Avoidance of incorrect cutting dimensions and by automatic or guided programming
- Variable use of the cutting program on different systems
- Use of pre-press data in CIP 3 / CIP 4 format
- Real image display / PNG
- Transformation of the image (rotation/mirroring)
- PDF-converter (optional)

Networking | MIS connection

For an efficient production process, the integration of the cutting workstation into the internal management information system (MIS) is required. The collected job structure data are decisive for the organisation, control and regulation of the workflow. By using a standard Ethernet interface, the user interface of the cutter can take over the function of a MIS/BDE terminal via a remote connection. The interfaces on the baumannperfecta high speed cutters are open and thus allow the connection to various MIS systems.

High speed cutter at a glance

Options

- Cutpit control with 24"touchscreen
- CutTronic and CutTronic Plus for the processing of CIP3 / CIP 4 / PPF files
- Cutting programs via scanner with Straight 2 Cut and Straight 2 Cut Plus
- Barcode-Scanner
- MIS-connection
- Optical cut indicator with LEDs
- Holding down device and air in front of the knife
- Automatic waste disposal ASE
- Cutting and side tables
- Swivel/tilting back gauge
- Air tables with micro nozzles

Equipment

- Working height 80-132: 870 mm | 168-225: 890 mm
- Stainless steel table surface with air for all cutting width
- Rear table cover made of acryl glass
- False clamp with hydraulic pressing
- Automatic pressure regulation via touchscreen
- Standard false clamp covering (80/92/115/132: 57 mm | 168/225: 77 mm)
- Safety measurement control according to CE-Norm
- Self-monitoring safety light barrier
- CE-mark, GS-certificate
- Pile support
- Lockable tool cabinet with tools

Optional equipment for system solutions

- Loader and unloader (BB / BA)
- Transport and transfer systems
- Press-Stations (BPS)

- Buffer systems (BVP / BMR)
- Automatic joggers (BSB)
- Fully automatic jogging machines (BASA)

Technical data

	80	92	115	132	168	225
Cutting width [mm]:	800	920	1150	1320	1680	2250
Rear table length [mm]:	920	920	1150	1325	1680	2700
layer height up to [mm]:	120	120	165	165	165	165
Smallest cut [mm]:	18	18	20	20	26	110
Smallest cut without cover plate [mm]:	57	57	77	77	77	110

The values may vary according to equipment/additional options.