

AUTOMATION

Scalable automation

B3 can be configured with scalable automation solutions that reduce set-up times and manual interventions, adapting to production variations.

AUTOMATIC TOOL ADJUSTMENT

ATA automatically adjusts the length of upper tools; **ATA.L** automatically extends to lower tools, while **MVM** automatically adapts the die opening according to the program.

AUTOMATIC TOOL CHANGE

With **AU-TO, B3** automatically manages upper and lower tool changes, applying the best strategy for the production flow.

INTEGRATION IN THE PRODUCTION FLOW

B3 can be integrated into a **robotized cell**, where the robot independently manages handling and bending activities; or in an **FSJ**, where robotics, artificial vision, automation and software work together to assure autonomous or convergent processing.

SOFTWARE

Software that makes management simpler

FACE
Simple and intuitive HMI for on-board machine management.

PARTS
Manages the database of parts, kits and assemblies processed by the different technologies, defining the corresponding production flows.

STREAM
Programming suite for managing activities both in the office and on the workshop, including production planning, part programming, process optimization and flow control.

STREAMFORMER
CAM software for developing bending programs from the office starting from 3D models, automatically or interactively, with cycle simulation.

PRESSTUDIO
Software for rapidly developing bending programs in 2D environments on board the machine.

OPS
Organizes production and connects the B3 to ERP/ MRP systems.

LINKS
Monitors performance and production data.



EFFICIENCY

Optimized consumption

B3 combines the benefits of **electric and hydraulic** technologies in an architecture designed to assure efficiency and performance. The **Direct Drive** system adapts energy to process needs in real time, using only the power required and reducing waste.

A safer work environment

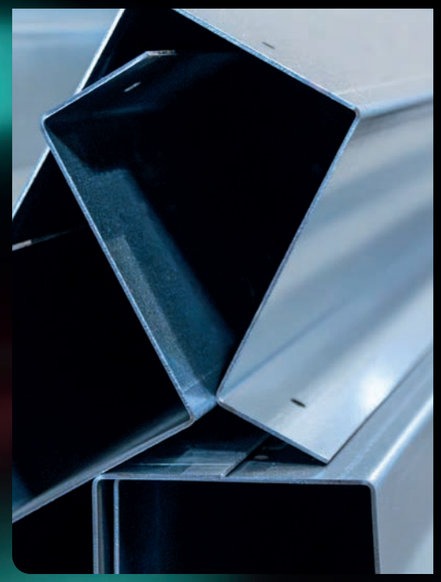
LSB monitors the bending zone with lasers and HD camera, while the **Radar Safety System**, in the configurations with ATA and AU-TO, detects the operator movements and intervenes in the event of potential hazards, combining safety, ergonomics and performance.

LOWER CONSUMPTION | MORE EFFICIENCY
GREATER COMPETITIVE PERFORMANCE

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B3

Scalable-automation press brakes

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B3



Scalable-automation press brakes

B3 is the Salvagnini press brake designed for dynamic production jobs, offering modular and scalable automation.

It can automatically adapt tools and set-ups to production needs, reducing activities with low added value, down-times and operator dependency.

TECHNICAL SPECIFICATIONS	80/2000	100/2000	100/3000	135/3000	135/4250	170/3000	170/4250	170/3000XL	170/4250XL	170/5100XL	240/3000	240/4250	240/5100	240/6100	320/3000	320/4250	320/5100	320-6100	400/4250	AU-TO 170/4250	AU-TO 240/4250	AU-TO 320/4250
Maximum bending force [t]	80	100	100	135	135	170	170	170	170	170	240	240	240	240	320	320	320	320	400	170	240	320
Table length L [mm]	2040	2040	3060	3060	4250	3060	4250	3060	4250	5100	3060	4250	5100	6100	3060	4250	5100	6100	4250	4250**	4250**	4250**
Distance between side frames [mm]	1740	1740	2640	2640	3640	2640	3640	2650	3620	4620	2650	3620	4620	5600	2630	3600	4600	5580	3600	3640	3620	3600
Throat depth [mm]	350	350	435	435	435	435	435	520	520	520	520	520	520	520	520	520	520	520	520	435	520	520
Maximum approach and return speed [mm/s]	250	250	250	250	250	250	250	180	220	180	220	220	220	220	220	220	220	220	220	250	220	220
Bending speed* [mm/s]	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Maximum stroke [mm]	300	300	300	350	350	350	350	450	450	450	450	450	450	450	450	450	450	450	450	350	450	450
Table-ram distance [mm]***	W 550 / P 585	W 550 / P 585	550	600	600	600	600	700	700	700	700	700	700	700	700	700	700	700	700	600	700	700
Total lenght [mm]	3200	3200	4270	4310	5310	4310	5310	4360	5330	6330	4360	5330	6330	7400	4380	5350	6350	7500	5350	5560	5560	5700
Total width [mm]	1875	1875	1725	1735	1735	1735	1735	2080	2080	2080	2080	2080	2080	2080	2085	2085	2085	2805	2085	2170	2240	2245
Total height [mm]	3025	3025	3025	3295	3295	3295	3295	3705	3705	3705	3705	3705	3705	3705	3755	3755	3755	3950	3755	3290	3690	3740
Average consumption [kWh]	1	1	1	1.5	1.5	2	2	2	2	2	2.5	2.5	2.5	2.5	3.5	3.5	3.5	3.5	3.5	2	2.5	3.5
Mass [kg]	6200	6200	8600	11700	13500	11700	13500	17000	19400	21500	17000	19400	21500	23500	21800	25000	30000	39000	27000	15500	21600	27200

* Bending speed regulated by current standards. Salvagnini reserves the right to modify this data without prior notice.
** Automatic tool setup L=3060 mm
*** W=Wila P=Promecam



PRODUCTIVITY

Higher availability, higher productivity

B3 reduces the impact of set-ups on production with automatic tool management solutions - **ATA, ATA.L, MVM and AU-TO** - used to rapidly adapt the machine to the parts to be produced.

PRECISION

Adaptive technologies ensuring constant quality

The integrated adaptive technologies automatically compensate any variations that affect bending quality. **S-CROWNING** guarantees constant bends over the whole length even when the parameters change, while **AMS** detects variations in the angle due to sheet metal springback, while **TFC2.0** detects any variations in-cycle and immediately implements corrective actions.

CONFIGURABILITY

Configured to your production needs

B3 is available in a wide range of models and can be configured with options and accessories to facilitate handling, extending versatility and improving ergonomics.

- **Backgauges:** 6 configurations for different production needs
- **Front shelves:** support the sheet metal, facilitating handling
- **Data Part Reader:** automatically calls up the program via barcode, Data Matrix or QR-code
- **FLW:** accompanies heavy or large parts
- **Double monitor:** improves access to information
- **STL:** LED lighting system that guides the operator in set-ups and bending activities



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