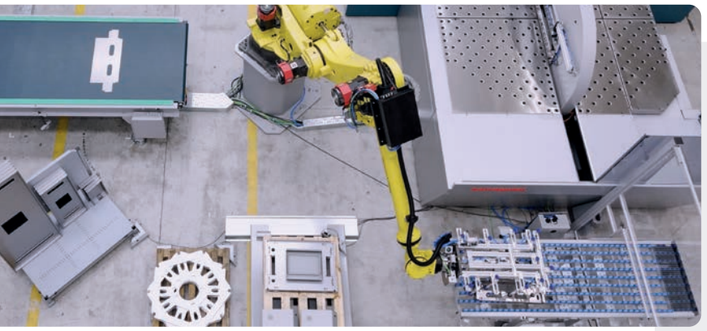


AUTOMATION

Automation that grows with production

AUTOMATIC HANDLING
P2 handles and rotates the part during the whole bending cycle, minimizing operator intervention.

LOADING AND UNLOADING WITH P-ROBOT
Independent production of individual parts, batches and kits with an anthropomorphic robot.

INTEGRATION IN THE PRODUCTION FLOW
P2 can be connected to production management systems and included in broader automated processes.

SOFTWARE

Software that makes management simpler

FACE
Simple and intuitive HMI for on-machine management.

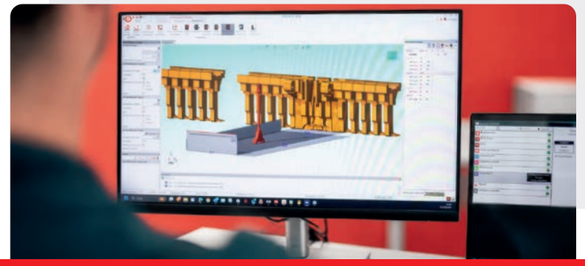
PARTS
Manages the database of parts, kits and assemblies processed by the different technologies, defining the corresponding production flows.

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

STREAMBEND
CAM software for developing panel bending programs in the office, even for multiple parts, with automatic, interactive mode and simulation.

OPS
Organizes production and connects the P2 to ERP/MRP systems

LINKS
Monitors performance and production data



EFFICIENCY

Optimized consumption

The **Direct Drive** technology and electric and pneumatic actuators mean that the P2 uses energy only when needed, with an **average absorbed power of just 3–6 kW**.

LESS ENERGY
MORE EFFICIENCY
GREATER COMPETITIVE PERFORMANCE

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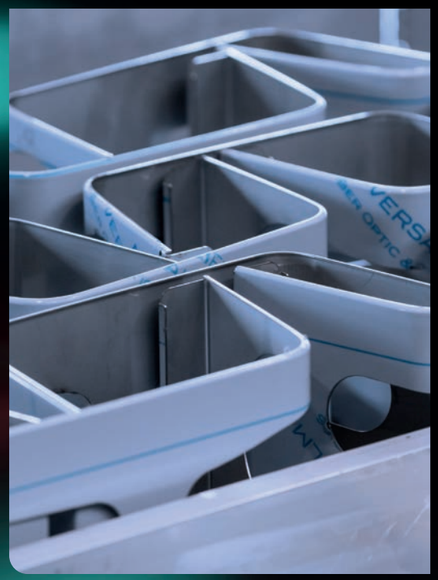

P2

The flexible bending platform

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Some contents of this brochure were developed using artificial intelligence and were validated by our experts.

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P2



The flexible bending platform

P2 is the high-end automatic panel bender designed to make increasingly variable production **simpler**.

Easy to use, configurable for the mix of products to make and equipped with adaptive technologies, automation and software to **reduce lead times, operations and complexity**.

TECHNICAL SPECIFICATIONS	P2-1620		P2-2120	P2-2226	P2-2520	P2-2520HG		P2-3020
Maximum length of incoming sheet (mm)	1995		2495	2815	2795	3050		3175
Maximum width of incoming sheet (mm)	1414		1600	1600	1600	1600		1600
Maximum diagonal that can be rotated (mm)	2000		2500	2820	3200	3200		3200
Maximum bending force (kN)	240		330	590	660	660		660
Maximum sheet bending force (kN)	350		530	635	1060	1060		1060
Maximum bending length (mm)	400-1000	1000-1600	2180	2200	2500	400-2000	2000-2500	3048
Maximum bending height (mm)	203		203	260	203	203		203
Minimum thickness (mm)	0.4		0.4	0.4	0.4	1.0		0.4
Maximum thickness steel, UTS 340 N/mm² (mm)						4.0	3.2	
Maximum thickness steel, UTS 410 N/mm² (mm)	3.2	2.5	3.2	3.2	3.2	3.6	3.2	3.2
Maximum thickness stainless steel, UTS 660 N/mm² (mm)	2.5	2.1	2.5	2.5	2.5	3.2	3.2	2.5
Maximum thickness aluminium, UTS 265 N/mm² (mm)	3.4	3.2	3.2	4.0	4.0	5.0	4.0	4.0
Average absorbed power (kW)	3.0		3.0	6.0	5.0	6.0		5.0
Noise level (Machine Directive 2006/42/EC) (dB)	68		68	68	69	70		69

Values refer to a standard machine. Salvagnini reserves the right to modify this data without warning.



PRODUCTIVITY

More production, without re-tooling

P2 **automatically** handles the part, making positive and negative bends without manual turning. The universal tools eliminate re-tooling, **reducing times, errors and operator dependency**.
When the program is loaded, the blankholder **automatically adapts** in masked time, and the manipulator prepares to grip the sheet metal, with **minimum impact of the set-up** on productivity.

PRECISION

Top quality every time

The **Bending Formula** automatically optimizes the bending parameters to reduce waste, while the **MAC3.0 system** detects and compensates any variability in the material in real time to guarantee precise, high-quality bends.

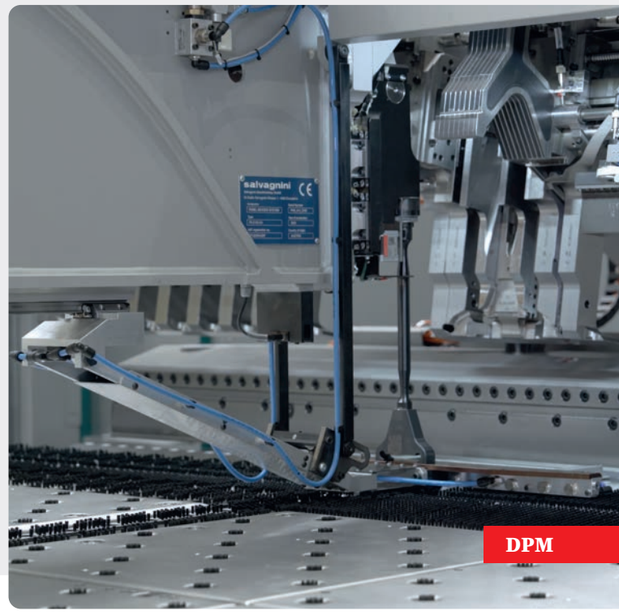
CONFIGURABILITY

Configured to your production requirements

P2 adapts to different products, shapes and processing needs.

The specific options extend the application field of automatic panel bending, making it possible to process complex parts and shapes that are conventionally managed by manual bending processes.

- **P tool:** for processing narrow panels or making tubular, hidden or radius bends or bends with intrusive embossings
- **CLA:** creation of upward or downward fins and bends that are shorter than the overall length
- **CUT:** automatic and sequential profile cutting
- **DPM:** handling of narrow parts or frames without material
- **AQC:** measurement and correction of the bend angle



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