

AUTOMATION

Automation that grows with production

S4 was designed as a **flow solution,** with feeding and unloading built into the process. It can also be configured with automatic loading, unloading, sorting devices and store-towers, progressively increasing autonomy and efficiency even in unmanned operations.

STORAGE AND FEEDING

PD and **ADS** automate pack feeding, while **MD, TWS** and **MV/SMD** manage material storage and availability, making different sheets, packs and thicknesses available according to production needs.

UNLOADING AND SORTING

SPB, SPP15, IA, BIG and **MCU** automate part selection, unloading and sorting, reducing handling and waiting times.

INTEGRATION INTO THE FLOW

S4 can work in stand-alone mode or be integrated into an **S4+P4 Flexible Smart Line,** directly feeding downstream jobs and helping to assure a continuous, automated production flow.

SOFTWARE

Software that makes management simpler

FACE
HMI for simple and intuitive programming on the machine.

PARTS
Manages the database of products and parts processed in the company, defining the production flows and generating the related programs.

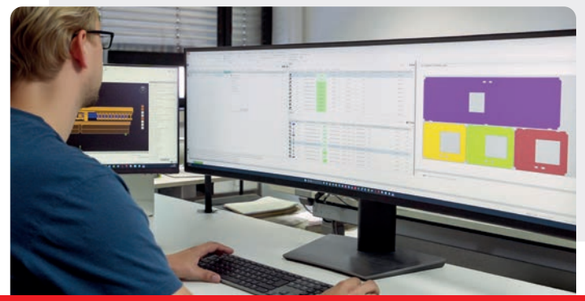
STREAM
Programming suite for managing activities both in the office and on the workshop, including production planning, part programming, process optimization and flow control.

STREAMPUNCH.G4
CAM software that generates punching, shearing, handling and nesting programs.

TOOLS
Graphically manages the tool database and the punching head set-ups.

OPS
Organizes production, dialogs with ERP/MRP systems and automates information distribution.

LINKS
Monitors performance and production data.



EFFICIENCY

Optimized consumption

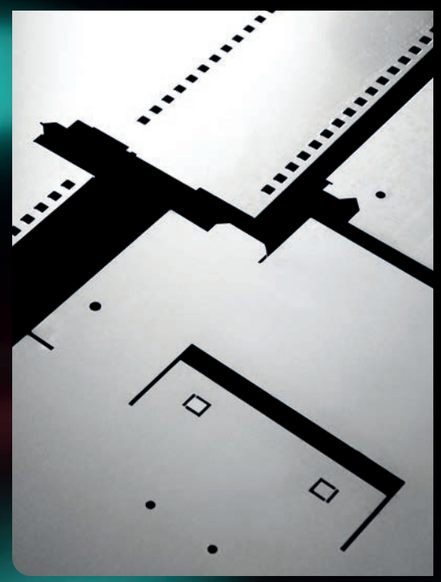
The advanced hybrid actuators modulate the energy to suit processing needs, **reducing average consumption by up to 20%** compared to the corresponding electrical solutions.

LOWER CONSUMPTION
MORE EFFICIENCY
GREATER
COMPETITIVE PERFORMANCE

salvagnini







S4

Punching-shearing centers with advanced hybrid technology

Salvagnini Italia S.p.A.

Via Guido Salvagnini, 51
36040 Sarego Vicenza
T 0444 72 51 11

salvagninigroup.com

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

3962020116 UK METRIC 2026

S4

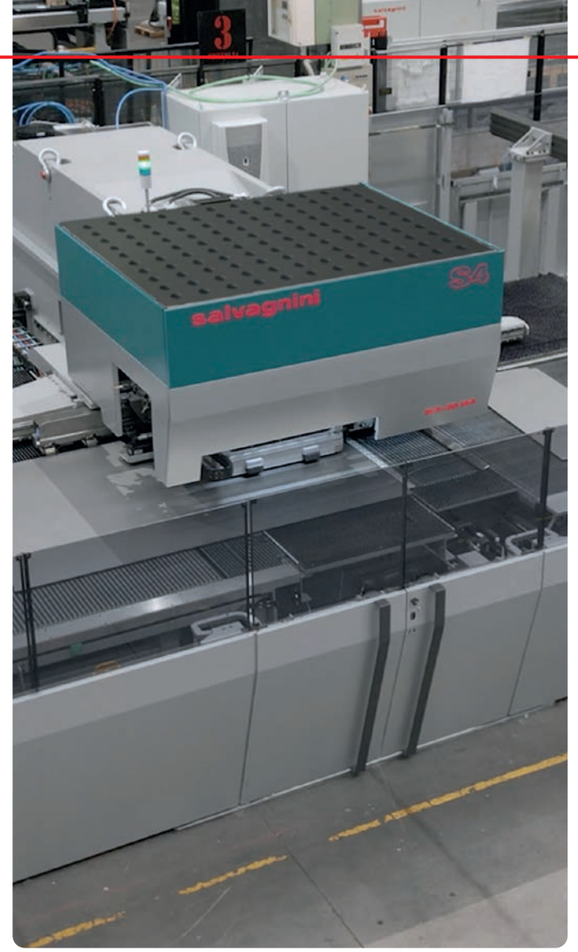


Punching-shearing centers with advanced hybrid technology

S4 is the automatic work center integrating punching, forming and separation in a single system.
It automatically produces finished parts, with no reworking or retooling, reducing lead times and rapidly feeding downstream operations.

MODELS		
	S4-30	**S4-40**
Maximum sheet dimensions (mm)	3048 x 1650	4064 x 1650
Maximum sheet diagonal (mm)	3650	4655
Minimum sheet dimensions (mm)	600 x 400	600 x 400
Maximum speed (m/min):		
X axis	132	132
Y axis	117	117
Speed with both axes moving simultaneously (m/min)	176	176
Maximum acceleration (m/s²):		
X axis	30	30
Y axis	17	17

TECHNICAL DATA		
	Punching	**Shearing**
Technology	Operating head	Simultaneous or independent X- and Y-axis cutting
Maximum material thickness (mm)		
Aluminum, UTS 265 N/mm²	5.0 (no multitool)	5.0
Steel, UTS 410 N/mm²	4.0 (no multitool)	3.5
Stainless steel, UTS 610 N/mm²	4.0 (no multitool)	2.0
Minimum material thickness (mm)	0.5	0.5



PRODUCTIVITY

More processing in a single cycle

S4 integrates punching and separation and automatically manages feeding, sorting and unloading cycles **in masked time**. The multi-press head keeps the tools available at all times, while the manipulator with 9 pincers and the shear with **Punch&Cut** are used to punch, form and separate the parts rapidly and continuously.

PRECISION

Top quality every time

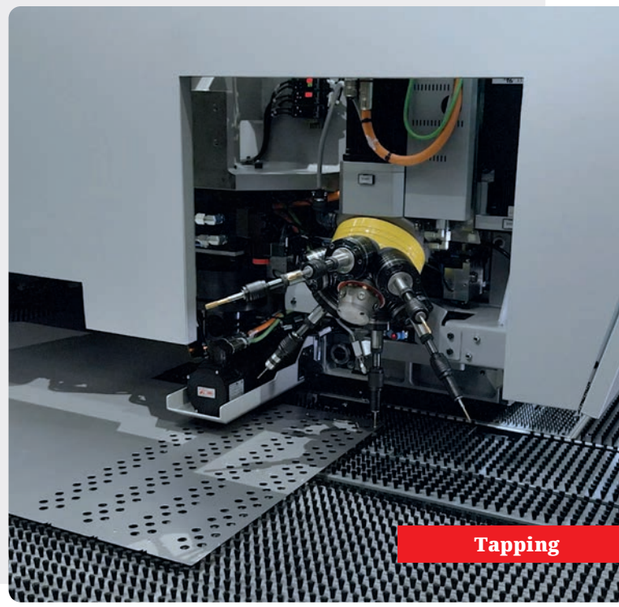
S4 automatically adapts to the working conditions: it checks the sheet size, modulates the manipulator dynamics, compensates any thermal expansion and adjusts the shear to suit the material and thickness. The result? **Precision, repeatability and constant quality.**

CONFIGURABILITY

Configured to meet your needs

The tool configuration is defined according to the parts to be produced and the production mix. The multi-press head can house up to **117 tools available at all times**, while special solutions further extend the range of punching and forming applications.

- **Multi-press head:** up to 117 B, C and D thick turret tools, always available
- **MultiMATRIX:** multitool that extends tool availability and punching and forming flexibility
- **Jetform and Rollform:** forming, ribbing, engraving and offsets
- **Tapping:** optional unit with up to 6 tools, outside the head
- **Special tools:** standard, parametric or tailored solutions


Tapping

Salvagnini © 2026 all rights reserved