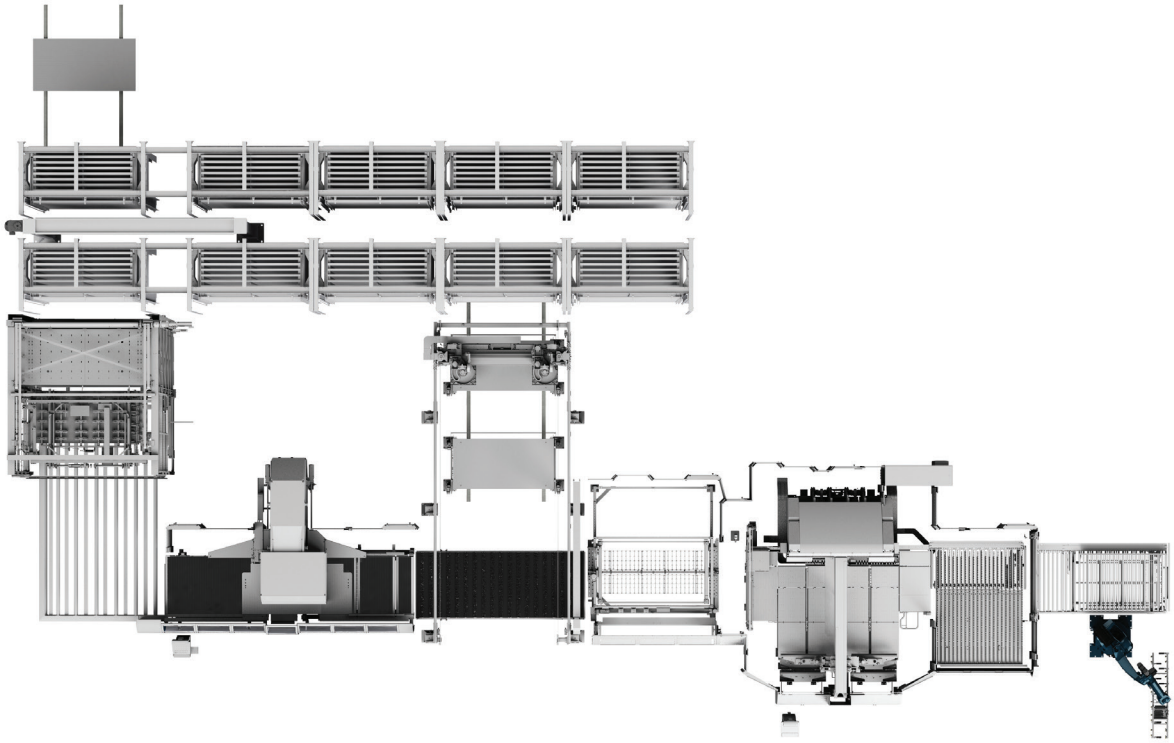
Automation
Choreographing Factory Logistics

Of course, any world class automated system needs powerful, user-friendly software to manage integrated logistics necessary for smooth factory operations, and Salvagnini has a decades long head start over its rivals.

As the creator of the metal fabrication industry's first lean and most highly automated manufacturing systems, Salvagnini's integrated processing software, Opera, is the easiest way to go from concept to finished product.

Opera interfaces with MRP/ERP and ASRS software to manage inventories and send raw materials to machines for processing. Other software components of Opera automatically nest and program individual machines for parts manufacture, manage movement, and when necessary, buffering between machines, and finally the transport of finished parts to the paint shop or to shipping. Every aspect of the metal fabrication process can be tracked, in real time, from either the supervisor's monitor, or from any other monitor in the factory.

Because all Salvagnini machines and systems are based on automated, hands-free processes, control software has always been a priority from the days of punch cards to today's latest coding systems. That's why an Opera software package, one designed for your specific manufacturing needs, is the most sophisticated yet easiest to use integrated logistics program on the market.



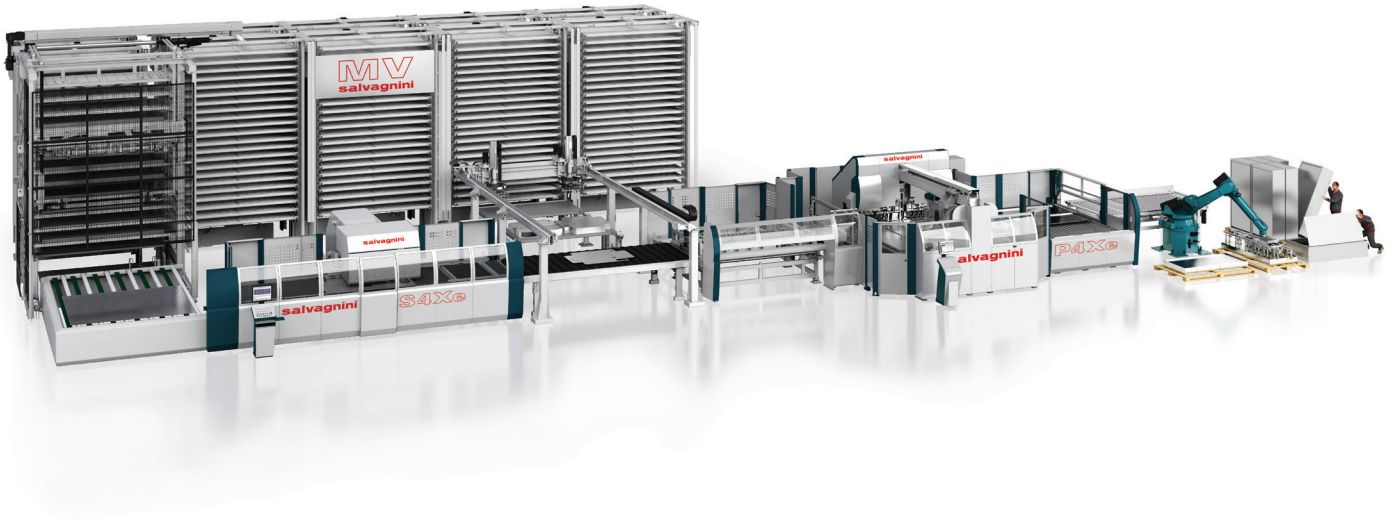
Automatic Job Shop (AJS)

The Automatic Job Shop is a group of Salvagnini machines linked together and orchestrated by Salvagnini Opera-OPS software. This software easily communicates with customers' MRP/ERP systems to quickly create machine programs and to efficiently manage production flow between machines in order to achieve completely integrated flexible sheet metal processing.

ASRS Automatic storage and retrieval system
Bringing order to chaos and inefficiency

Complete automation.

Material handling is designed-in and built-in to all Salvagnini products. Packs are transported throughout the system using fast tray exchange stations that can work from a single pack, from double packs, or even from single sheets from different packs, in order to provide the most efficient solution for production work flow requirements. The picker crane is equipped with a pack weighing system to provide an automatic check of stock levels.



Technical data	MV	MVT
Layout	Single or double row	
Size (mm) (Inch)	2500, 3000, 4000 (and mixed) 98“,120“,160“	3000, 4000 (and mixed) 120“,160“
Max height	10,300mm 33.7ft (32 levels)	10,700mm 35.1ft (50 levels)
Max load	3000Kg 6,600 lbs	
Picker-crane	with telescopic forks	P&P technology
Picker crane max horizontal speed	2.5m/s 5,900ipm	
Picker crane max horizontal acceleration	0.5m/sec^2 1.6ft/sec^2	0.3m/sec^2 .96ft/sec^2
Picker crane max vertical speed	0.5m/sec 1,180 ipm	0.3m/s 700ipm
Picker crane max vertical acceleration	0.5m/sec^2 1.6ft/sec^2	0.3m/sec^2 .96ft/sec^2
Pitch between levels	280mm 11“	190mm 7.5“
Max height of the single pack	130mm 5.1“	90mm 3.5“
Max height of double pack	410mm 16.1“	280mm 11“
Automatic weighing system (p)	tolerance of ±3Kg	

Data could change according with tray store configuration