

# S5line

## FOR INJECTION MOLDING MACHINES FROM 30 TO 800T

The S5 Line is designed using the best Sepro technology, to make a very well-designed range of high performance 3-axis robots. They are reliable, fast and precise and ideal for complex applications.

### OVERVIEW

Three models to choose from:

**| S5-15 | S5-25 | S5-35**

- Compact & integrated design to facilitate mold access
- Structural frame for increased rigidity
- Prismatic linear guides for high acceleration
- Powerful servomotors and intelligent anti-vibration software
- Y free function
- Compact control cabinet at the end of the beam
- Unique elastic unit (Option) to protect the gripper and the mold during part gripping settings



**NEW ECO Air** 

THE SOLUTION TO HELP YOU REDUCE  
YOUR COMPRESSED AIR CONSUMPTION

## VISUAL 2

- See what you're creating in 3D with the Simple Pick-and-Place Module: create your cycle by answering the questions the system asks you and see the result immediately in 3D on the screen.
- Eco Mode: after having programmed your cycle, you just need to press one key to limit power consumption during the cycle.
- Digital vacuum switch: program and save your part grip settings for each mould (option).

Designed with the best of Sepro's technology, S5 Line is a range of high-performance 3-axis robots with an attractive design.

## SPECIFICATIONS

	S 5 15	S 5 25	S 5 35
Mold clamping force - Metric tons	30 - 180	120 - 450	350 - 800
Horizontal stroke (mm) (1)	1500 - 4000	1500 - 6000	2000 - 9000
Maximum instantaneous speed (m/s)	4	4	3,5
Demold stroke (mm) - Transverse layout	500	700   650 (S)	900
Maximum instantaneous speed (m/s)	3	3	3
Vertical stroke direct (mm)	1000	1200	1400
Maximum instantaneous speed (m/s)	5	4	4   3,5 (HL)
Maximum load (parts + EOAT) (kg)	5   3 (S)	10   7 (S)	15   20 (HL)
Pneumatic rotation R1 (0 -90°)	✓	✓	✓
Part grip - Vacuum circuit up to:	6	8	8
Part grip - Pressure circuit up to:	6	8	8
Compact beam-mounted control cabinet	✓	✓	✓
VISUAL 2 control system	✓	✓	✓

### OPTIONS

Vertical telescopic arm:		✓	✓
- Vertical stroke (mm)		1400	1800
- Maximum instantaneous speed (m/s)		4	3,5
- Maximum load (parts + EOAT) (kg)		10	15   20 (HL)
- Low height telescopic option		✓	✓
Pneumatic rotation R2 (0-90°-180°)	✓	✓	✓
Elastic unit	✓	✓	✓
Floor-standing control cabinet	✓	✓	✓
VISUAL 3 control system	✓	✓	✓
ECO AIR	✓	✓	✓

(1) Adjustable in 500 mm steps

S : Speed

HL : Heavy Load version

## VISUAL 3

Visual 3, Sepro's exclusive, powerful and easy to use control system has been specifically designed to meet the automation needs of plastic injection molding processes.

### FAST PLC FUNCTION (20ms)

Checking intelligent peripheral systems, such as a camera to determine the position of a part, as well as external CNC axes.

### SOFTWARE PACK ON PC

To create, edit and manage your programs in a Windows environment. The robot's programs and data can be centralized via your company's IT network (TCP/IP Ethernet cable or Wifi as an option).

### DIGITAL VACUUM SWITCH

Available as standard on Visual 3 to program and save your part grip settings for each mold.

### 3D VISUALIZATION

With the Simple Pick-and-Place module, create your cycle by answering the system prompts and see the result immediately in 3D animation.

Thanks to Visual 3 Path Tracking function, the 7X Line robots can deal with the most specific applications, such as complex part extraction from the mold.



## SEPRO GROUP

Sepro Group designs, develops and manufactures smart solutions and systems for the automation of plastic injection lines. Our modular solutions optimize and automate the take-out of parts from any type of new or existing machine.