

For 30 to 800 T Injection Molding Machines



#### FLEXIBILITY | SPEED | PRECISION

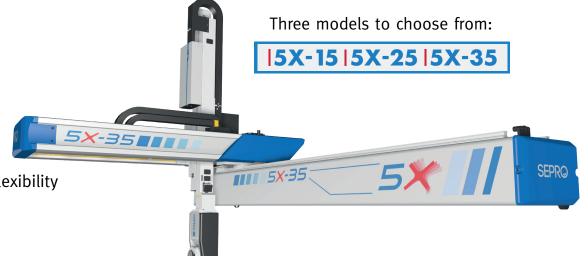
5X Line is a range of high-performance and flexible 5-axis industrial robots with servo wrist rotations designed by Sepro

## **OVERVIEW**

- Structural frame for increased rigidity
- Linear rails designed for greater speeds
- $\checkmark$  Redesign of the vertical arm and pneumatic components
- ✓ Powerful servomotors and intelligent anti-vibration software
- $\checkmark$  Path tracking function standard with Visual 3
- $\checkmark$  Direct, Telescopic, or low height vertical arms for maximum flexibility
- $\checkmark$  Heavy load option available on 5X-35 payloads up to 20kg
- 🖌 Y free function

### **NEW FEATURES**

- All three models utilize our newly redesigned SEPRO CNC Wrist.
- Redesign of the vertical arm.
- Compact beam mounted cabinet available as standard (opt.) to reduce footprint.
- Optimized maintenance: maintenance operations are simplified thanks to direct access to modify certain key components.
- Spare parts used across the Sepro Robot line allow for simplified maintenance.



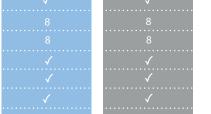
HL : Heavy Load version

#### **SPECIFICATIONS**

5X-25

5	
rip settings for each mold.	VISUAL 3 control system
Simple Pick-and-Place Module, create system prompts, and see the result	OPTIONS Compact beam-mounted control cabinet
	Vertical telescopic arm :
	- Vertical stroke (mm)
ing function, the 5X Line robots can	- Maximum instantaneous speed (m/s)
oplications, such as complex part	- Maximum load (parts + FOAT) (kg)

Path tracking



5X-35

2000 - 9000

1400

5X-15

30 - 180

33 - 198

1500 - 4000

Δ

1000

 $\checkmark$ 

 $\checkmark$ 

$\boldsymbol{\boldsymbol{\varsigma}}$	
	line

## 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 PCL 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 robots' 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 gr

3D VISUALIZATION: with the Si your cycle by answering the sy immediately in 3D animation.

Thanks to Visual 3 Path Tracki deal with the most specific ap extraction from the mold.

# **SEPRO GROUP**

Sepro Group offers smart modular solutions for the automation of injection molding machines and downstream operations ranging from simple unloading robots with peripheral axillary equipment to complex integrated automation cells.

OPTIONS			
Compact beam-mounted control cabinet	$\checkmark$	$\checkmark$	$\checkmark$
Vertical telescopic arm :		$\checkmark$	$\checkmark$
- 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		$\checkmark$	$\checkmark$

(1) Horizontal stroke: customizable in 500mm increments

Mold clamping force - Metric tons

Maximum instantaneous speed (m/s)

Maximum instantaneous speed (m/s)

Maximum instantaneous speed (m/s) Maximum load (parts + EOAT) (kg)

Servo rotation R1 (0-180) + R2 (0-270)

Part grip - Vacuum circuit up to:

Part grip - Pressure circuit up to:

Floor-standing control cabinet

Digital vacuum switch

Demold stroke (mm) - Transverse layout

Mold clamping force - US tons

Horizontal stroke (mm) (1)

Vertical stroke direct (mm)