success

3 AND 5-AXIS ROBOTS FOR INJECTION MOLDING MACHINES FROM 20 TO 3000 TON

Success is a range of universal and economic robots that provide all the performance and reliability that you expect from Sepro.

This best-seller robot is also available in a 5-axis version, making best-in-class technology more affordable and more compact. For more complex applications, Visual 4 controls the different peripheral equipment: conveyors, even complex ones, for palletizing parts and distributing interleaves, insert molding or even a sprue cutter station.

These 3 or 5-axis are available for IMMs from 60 to 3000 tons and enhanced gripping components : larger capacity & more compact.

5	10
11	11
22	22
33	33
44	44
55	55
66	66



THE RECOGNIZED RELIABILITY OF A BEST-SELLER

Experience the redesign of one of Sepro's best sellers, designed for IMM 20 to 3000 ton.

- **Modular Platform** to cover more than 90% of customer's needs.
- **Outstanding reliability** with the cam followers technology: **SLS (Sepro Linear System)™.**
- **Enhance Gripping components:** larger capacity, more compact footprint.

The Success offer is perfectly adapted to all your simple pick-and-place and stacking applications. Thanks to Visual 4 control system, it is easy and friendly to use.

INTRODUCING A TECHNOLOGICAL BREAKTHROUGH

Success Line X, the 5-axis version of the Success robots benefits from the very latest technology, as well as the reliable and high-performance mechanical designs.

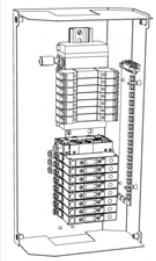
- A cost effective high quality robot,
- A flexible solution for most applications,
- Servo-wrist rotations for greater accuracy and reliability.

SUCCESS LINE X : THE SERVO-WRIST

High torque, high accuracy, compact design and is available on the Success Line X range : Success 11X, 22X, 33X, 44X, 55X and 66X.

The compact Z axis control box

- Up to 8 vaccum and 8 pressure circuits as a standard option,
- Pneumatic or servo rotation control,
- Available on all robots of the Success range.



Smart lubrication system

- Easy and quick maintenance,
- Requires only a annual change.

Y FREE MOTION : ALWAYS AVAILABLE!

The Y free function is a Sepro manufacturing standard. It simplifies the programming of part accompaniment during ejection and can reduce the cost and wear of your EOATs (simplified design).

COMPACT BEAM-MOUNTED CONTROL CABINET

Better accessibility and maintenance. The compact control cabinet is mounted on the end of the beam as standard. Its innovative feature is its flexible installation, as it can be installed on the left or right, depending on your setup, to free floor space.

VISUAL 4 : MORE POWERFUL, MORE CONNECTABLE AND EASIER TO USE

Visual 4 represents the latest generation of automation-control technology developed by Sepro specifically for plastics injection molding. This project involved the development of new hardware and software solutions with enhanced features. It is entirely compatible with existing Sepro systems and programming.

Visual controls will require only a short training session to become familiar with the new platform. This new HMI offers a simplifed and user-friendly interface for part removal and downstream operation programming around the injection molding machine.

- More intuitive improved navigation and ergonomics 25% lighter, 2 haptic shortcut buttons, quick sub-menu access...
- More powerful: Intel x86, up to 10 axis, 1000 programs
- More evolutive: standard programming protocol, html5
- More secure: updated cybersecurity features, Plug & Play system, secure authentication and user profile settings
- More interconnectable for the automation of tomorrow



REDESIGNED OPERATOR-INTERFACE PENDANT

One of the first things one will notice about the new Visual 4 HMI is that the pendant is 25% lighter than its Visual 3 predecessor. The weight saving is the result, primarily, of moving the CPU board out of the pendant and into the main robot-control cabinet. This also results in greater data security, since critical components cannot be damaged if the pendant is dropped or otherwise compromised.

In addition to enhanced navigation and ergonomic features it also uses a powerful processor to control up to ten axes of motion, making it ideal for managing even complex molding cells, which can involve one or more than one IMM, and multiple robots in differing configurations, plus peripheral equipment that performs secondary functions like assembly, marking, inspection, packaging, and so on. It can store up to 1000 mold programs for easy recall.

The new Visual 4 control will be available in three variations with increasing capabilities for the full range of injection-molding applications:

V4

is the basic configuration suits simple pick-and-place applications, providing control of up to 5 axes and 24 inputs/outputs (I/Os).

V4 PLUS

supports more mold programs, with more I/Os, and allowing more connectivity to peripheral equipment (conveyors, sortation, etc.).

V4 PRO

is aimed at application-specific molding cells involving multiple robots, peripheral equipment and robots with special configurations.

success

Success 5	Success 10	Success 11	Success 22	Success 33	Success 44	Success 55	Success 66
Mold clamping force (T - Metric Tons)							
20 - 80	50 - 150	80 - 250	200 - 500	350 - 900	700 - 1200	1000 - 1800	1600 - 3000
Horizontal stroke (mm) - Can be adaptable by 500mm steps							
1000 - 1500	1500 - 3500	1500 - 4000	1500 - 6000	2000 - 7000	2500 - 10000	3000 - 10000	3500 - 10000
Maximum instantaneous speed (m/s)							
2	2	2	2	2	2	2	1.8
Demold stroke (mm)							
400	500	500-700 (LD)	700-900 (LD)	900-1100 (LD)	1300	1500	1800
Maximum instantaneous speed (m/s)							
2	2	2	2	2	1.8	1.8	1.5
Vertical stroke (mm)							
1000 (direct)	1000 (direct)	1200 (direct)	1400 (direct)	1600 (direct)	2000 (telescopic)	2500 (telescopic)	3000 (telescopic)
Maximum instantaneous speed (m/s)							
3	3	3	3	3	2.5	2.5	2.5
Maximum load (parts + EOAT) (kg)							
3	5	6	10	15-20 (HL)	25	40	55
R1 pneumatic rotation (0-90°)							
✓	✓	✓	✓	✓	✓	✓	✓
Compact beam-mounted control cabinet							
✓	✓	✓	✓	✓	✓	✓	✓
Floor standing control cabinet							
-	option	option	option	option	option	option	option
Part Grip - Vacuum circuit up to :							
4	4	8	8	8	8	8	8
Control system							
Visual 4							

OPTIONS

Vertical stroke (mm) - Optional Direct Arm							
N/A	1200	1000	1200	1400	-	-	-
Vertical stroke (mm) - Telescopic arm							
N/A	1200	1400	1600	1800	-	-	-
Vertical stroke (mm) - Telescopic low height arm							
N/A	N/A	N/A	N/A	N/A	N/A	2500	3000
R2 pneumatic rotation (0-90° - 180°)							
N/A	✓	✓	✓	✓	✓	✓	✓
R3 pneumatic rotation (0-90° or 0-180°)							
✓	✓*	N/A	N/A	N/A	N/A	N/A	N/A
Digital vacum switch & ECO AIR							
	✓	✓	✓	✓	✓	✓	✓
Available controller versions							
Visual 4 Plus | Visual 4 Pro							

**Direct Arm*



success X

Success 11X	Success 22X	Success 33X	Success 44X	Success 55X	Success 66X
Mold clamping force (T - Metric Tons)					
80 - 250	200 - 500	350 - 900	700 - 1200	1000 - 1800	1600 - 3000
Horizontal stroke (mm) - Can be adaptable by 500mm steps					
1500 - 4000	1500 - 6000	2000 - 7000	2500 - 10000	3000 - 10000	3500 - 10000
Maximum instantaneous speed (m/s)					
2	2	2	2	2	1.8
Demold stroke (mm)					
500-700 (LD)	700-900 (LD)	900-1100 (LD)	1300	1500	1800
Maximum instantaneous speed (m/s)					
2	2	2	1.8	1.8	1.5
Vertical stroke (mm)					
1200 (direct)	1400 (direct)	1600 (direct)	2000 (telescopic)	2500 (telescopic)	3000 (telescopic)
Maximum instantaneous speed (m/s)					
3	3	3	2.5	2.5	2.5
Maximum load (parts + EOAT) (kg)					
6	10	15-20 (HL)	25	40	55
R1 servomotor rotation (0-180°) + R2 (0-300°)					
✓	✓	✓	✓	✓	✓
Compact beam-mounted control cabinet					
✓	✓	✓	✓	-	-
Floor standing control cabinet					
option	option	option	option	✓	✓
Part Grip - Vacuum circuit up to :					
8	8	8	8	8	8
Control system					
Visual 4					

OPTIONS

Vertical stroke (mm) - Optional Direct Arm					
1000	1200	1400	-	-	-
Vertical stroke (mm) - Telescopic arm					
1400	1600	1800	-	-	-
Vertical stroke (mm) - Telescopic low height arm					
-	-	-	-	2500	3000
Digital vacum switch & ECO AIR					
✓	✓	✓	✓	✓	✓
Available controller versions					
Visual 4 Plus | Visual 4 Pro					

