



Axess

The success of your simple unloading
and automation applications

For IMMs from 20 to 1000 T



Simply Intuitive



Clamp Features

The Axxess Robots 7 | 11 | 22 | 33 | 44



Sepro has chosen to use servo-motor technology to simultaneously manage 3 CNC axes as standard.

As standard, we also offer:

A compact arm and rotation unit.

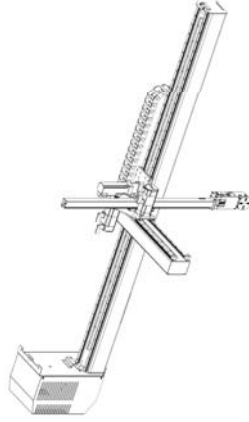
Electric and pneumatic connections, mechanical coupling designed to be quickly changed for different productions runs.

The Y free function makes programming easier for parts ejection tracking and enables you to save on gripper costs thanks to a simpler design.

Innovation & experience

A compact control cabinet mounted on the beam with an innovative, modular layout.

The compact control cabinet is mounted on the robot beam end as standard on Axxess 7 and as an option on all other models of the Axxess range.



Exclusive elastic unit (option): this mechanical unit protects the gripper and mold during part gripping settings and softens the contact between the gripper and the molded part in the case of small inaccuracies (a few mm) on the ejection movement or the mold opening.

The overall gripper support unit is mounted on a linear axis parallel to the injection axis. A corrector unit applies elastic pressure on this unit and if the sensor detects that too much force is applied, it automatically brings the robot to a halt.



Features/Options

See what you're creating in 3D

With the Simple Pick & Place Module, create your cycle by just answering the questions the system asks you and see the result immediately in 3D on the video.

«What you see is what you get»



Make your daily routine easier

- Fine-tuning movements in the mold made easy thanks to the joystick.
- The large, 10" LCD screen gives you clear and precise information.
- You can consult the full-screen, online documentation at any time.
- If a fault appears, troubleshooting data is displayed automatically.
- Thanks to the USB key, operators, setters, programmers and maintenance personnel have direct access to the relevant data.



Tried and tested ergonomics

Task-based navigation means you can directly access the job to be done:

Production - Mold Change - Programming - Maintenance.



Eco Mode:

after having programmed your cycle, you just need to press one key to limit power consumption during the cycle.



Joystick



Large, 10" LCD screen



USB key & Ethernet

The Axess Robots

CM-Axess7 thru CM-Axess44

	Axess 7	Axess 11	Axess 22	Axess 33	Axess 44
IMM clamping force	20 – 80 T	80 – 180 T	150 – 350 T	300 – 700 T	650 – 1000 T
Traverse stroke	1000 – 2000 mm 39"–78"	1500 – 3500 mm 59"–138"	1500 – 6000 mm 59"–236"	2000 – 6000 mm 78"–236"	2500 – 10000mm 98"–393"
Maximum speed	2 m/s	2 m/s	1,7 m/s	1,7 m/s	2 m/s
Strip stroke	400 mm 15"	500 mm 19"	650 mm 25"	850 mm 33"	1100 mm 43"
Maximum speed	2 m/s	2 m/s	1,2 m/s	1,2 m/s	2 m/s
Vertical stroke - direct arm	800 mm 31"	1000 mm 39"	1400 mm 55"	1600 mm 63"	–
Vertical stroke Telescopic arm Low height design (option)	–	–	1600 mm 63"	1800 mm 71"	2000 mm 78"
Maximum speed	3 m/s	2,7 m/s	2,5 m/s	2,5 m/s	3 m/s
Standard R1 rotation	0-90° pneumatic	0-90° pneumatic	0-90° pneumatic	0-90° pneumatic	0-90° pneumatic
Part gripping	1 vacuum and/or pressure circuit	1 vacuum and/or pressure circuit	1 vacuum and/or pressure circuit 17lbs	1 vacuum and/or pressure circuit 33lbs	1 vacuum and/or pressure circuit
Maximum payload (part + gripper)	3 kg 6.6lbs	5 kg 11lbs	8 kg arm 1400mm 6 kg arm 1600mm 13lbs	15 kg arm 1600mm / 63lbs 12 kg arm 1800mm / 71lbs 26lbs	25 kg 55lbs

Options					
Compact beam mounted cabinet	Standard	✓	✓	✓	✓
R2 Rotation pneumatic 0-90-180°	✓	✓	✓	✓	✓
Elastic unit			✓	✓	✓
CNC vacuum switch	✓	✓	✓	✓	✓



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All specifications reflect average values based upon typical machine layouts. Actual figures will vary depending on final machine configuration. If you require more specific data, consult a certified installation print for your particular machine. Performance specifications are based upon theoretical data. Due to continual improvements, specifications are subject to change without notice.
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