



G4 Generation
Best Seller Globally

Robots for IMMs from 20 to 5000 T

- 4010
- 4020
- 4030
- 4040
- 4050
- 4060
- 4070



Reliability | Precision | Speed

G4⁺
énération⁺



More than **10000 robots**
installed in over **40 countries**: a high level
of technology that has proved itself

Visual2
Simply technological

G4 Power and Speed Serving Precision

Reliability | Precision | Speed

For G4 robots with 3 to 5 digital axes, to equip your injection moulding machines from 20 to 5000 T. With Visual 2, it is possible to drive Automation systems with up to 16 axes.



Visual 2
Simply technological

G4+
énération



Powerful servomotors ensure both maximum accelerations and minimum intervention times. The frame structure provides high rigidity adapted to strong accelerations.



The Y free function, available as standard on all G4 models, makes programming easier for parts ejection tracking and enables you to save on gripper costs thanks to a simpler design.



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



The built-in greasing facility guarantees maximum operation times and minimum maintenance requirements (once a year only).



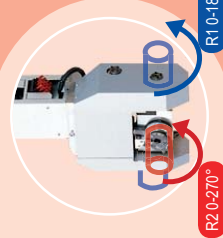
Production changes made easy thanks to the electric and pneumatic connections and quick mechanical coupling.



Take one step further with the Milacron Automation Pack

- The standard, 100 ms PLC function is upgraded to 20 ms and allows you to manage external, digital axes.
- Create and fine-tune your complex program with the PC editor/monitor function in a familiar, Windows® environment.
- You manage intelligent peripheral units (vision, bar codes, RFID, etc.)

The Milacron Automation Pack gives you very large scope for all your stacking, insert placing, fabric overmoulding, IML (In Mould Labelling), vision, etc. operations.



A full range of CNC rotations allows precise positioning and greater flexibility for your applications. Access into the mould is easy thanks to their compact design.

It's so easy

- See what you're creating in 3D with the Simple Pick & Place Module: create your cycle by answering the questions the system asks you, and see the result immediately in 3D on the video.
- Fine-tuning movements in the mould made easy thanks to the joystick.

Visual 2: make your daily routine easier

- You can consult the full-screen documentation at any time.
- Transfer information from one team to another using the notepad function.
- Thanks to the USB key, operators, setters, programmers and maintenance personnel have direct access to the relevant data.
- Troubleshooting assistance from Milacron's Hotline: with the USB key, download and send the relevant information via internet for remote assistance.

Tried and tested ergonomics

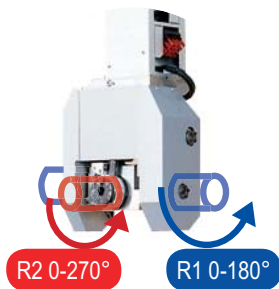
- Task-based navigation means you can directly access the job to be done.
- **Eco Mode:** after having programmed your cycle, you just need to press one key to limit power consumption during the cycle.
- Digital vacuum switch: program and save your part grip settings for each mould (option).

G4 for your IMM from 20 to 5000T

CM-SR 401053 thru CM-SR 407053

	SR 4010 S3	SR 4020 S3	SR 4030 S3	SR 4040 S3	SR 4050 S3	SR 4060 S3	SR 4070 S3
IMM clamping force	20 - 180 T	80 - 300 T	150 - 600 T	500 - 1000 T	800 - 1800 T	1300 - 2500 T	2300 - 5000 T
Traverse stroke (extendable on request)	1000 mm 39"	1500 mm 59"	2000 mm 78"	2500 mm 98"	3000 mm 118"	3500 mm 137"	4000 mm 157"
Maximum speed	4 m/s	4 m/s	4 m/s	3,5 m/s	3 m/s	2,2 m/s	2 m/s
Strip stroke (radial layout)	400 mm 15"	600 mm 29"	800 mm 31"	1000 mm 39"	1300 mm 51"	1600 mm 63"	2000 mm 78"
Maximum speed	3,2 m/s	3,2 m/s	3,2 m/s	3,2 m/s	2,5 m/s	2 m/s	1,8 m/s
Vertical stroke							
Standard direct arm	900 mm 35"	1100 mm 43"	1400 mm 55"				
Telescopic arm		49" 1250 mm (option)	69" 1750 mm (option)	78" 2000 mm (standard)	94" 2400 mm (standard) extension 2600 (option) 102"		
Telescopic arm - low height design				2000 mm (option) 78"	2400 mm (option) 94"	3000 mm (standard) 118"	3600 mm (standard) 142"
Maximum speed	5 m/s	5 m/s	5 m/s	4 m/s	3 m/s	3 m/s	3 m/s
Standard R1 rotation parallel to beam axis 0-90°	✓	✓	✓	✓	✓	✓	✓
Maximum payload (part + gripper)	3 kg 6.6 lbs	6 kg	12 kg	20 kg 44 lbs	35 kg 77 lbs	55 kg 120 lbs	85 kg 187 lbs

Options							
CNC vacuum switch	✓	✓	✓	✓	✓	✓	✓
Pneumatic rotation R2 0-90-180° (parallel to demoulding axis)	✓	✓	✓	✓	✓	✓	✓
Elastic unit	✓	✓	✓	✓	✓	✓	✓
CNC rotations R1(0-180°) + R2 (0-270°)			✓	✓	✓	✓	✓
HL (Heavy Load) version: maximum payload (part + gripper)		10 kg 22 lbs	20 kg 44 lbs		55 kg 120 lbs	80 kg 176 lbs	
LD (Long Demoulding) version (demoulding stroke extended to ...)					1500 mm 59"	1800 mm 71"	2500 mm 98"



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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. MILACRON LLC. MILACRON, CINCINNATI MILACRON, MT, MTH, MTS, Endura, and the Globe Graphic are registered trademarks of MILACRON LLC. VBET is a trademark of Barr. Printed in USA. © 2011