

FMR

Ferromatik Milacron Robot: The New, Integrated Automation Solution

The new linear robot from Ferromatik Milacron is simple, flexible, and fully integrated with the injection molding machine controls. Available in eight sizes and two speeds offerings (Basic Flexible and High-Speed), the Ferromatik Milacron Robot allows for the automation of everything from standard applications to the manufacture of the most complex parts.

FMR Convenience Features

- *High quality manufactured parts*
- *Maintenance-free AC-servomotors*
- *Double linear guides for precision and stability*
- *ECO-function to optimize machine movements for energy savings*
- *High-performance with minimum energy consumption*
- *Fast-switch gripper system*
- *Numerous options available, e.g. telescoping axis and complete servo-driven turning axis*



MOSAIC Makes it Work: Optimal Integration of Robot and Machine

- Robot operating and programming via the MOSAIC machine controls
- Central data management for the whole system
- Comprehensive production monitoring

Take Control with the Teach Pendant

- Large, easy-to-read LCD touch screen
- Integrated user guide, accessible at the touch of a button
- Ethernet-based bus system: ten times faster than conventional Canbus system

User-Friendly Symbol Programming via MOSAIC and Teach Pendant

- Generate programs using simple dialogs for faster training of operators
- Program with symbols and text for maximum flexibility
- Store previously used subprograms in program library for future access
- Develop new programs offline using companion software
- Use maintenance monitoring for regular servicing



Ferromatik Milacron Robot

Model		FMR 6-5	FMR 8-5*	FMR 16-5*	FMR 16-7	FMR 20-5	FMR 20-7	FMR 26-5	FMR 26-7
Machine Size	kN	250 - 1,500	750 - 2,500	1,500 - 3,500	3,000 - 6,500	4,500 - 15,000	8,000 - 18,000	13,000 - 20,000	15,000 - 40,000
Payload	kg	5	7	12	16	25	32	50	75
X-Axis Stroke	mm	420	700	920	920	1,200	1,200	2,000	2,000
Y-Axis Stroke	mm	1,200	1,400	1,800	1,800	2,400	2,400	3,000	3,000
Z-Axis Stroke	mm	2,200	3,600	5,500	5,500	6,400	6,400	8,000	8,000

*High-Speed version with reduced payload available