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Find the *Yaskawa / Motoman NXC100* at our website: *Click HERE*

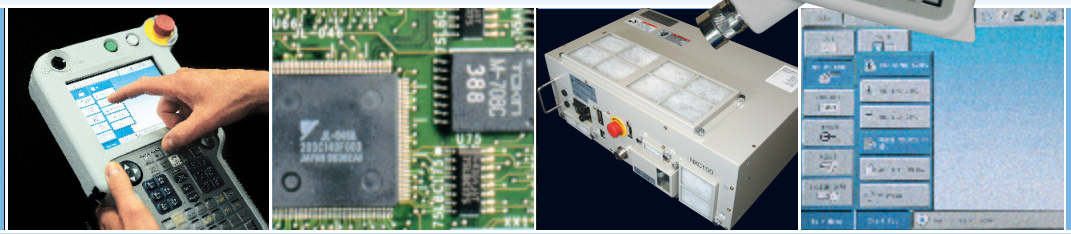
English Version

Terrific

The smallest robot controller in its class.



Industrial robot controller
MOTOMAN-NXC100



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MOTOMAN NXC100 - The smallest robot controller worldwide





Programming pendant (PHG) ergonomical, light and easy



- Easy and fast programming
- Several user levels – from operation to maintenance
- Help function

Features

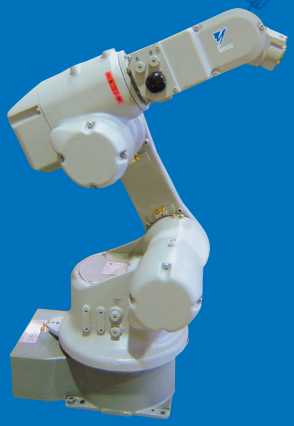
- Compact and sturdy design
- Lightweight
- Easy to install
- Multitasking
- Internal SPS
- High performance by industrial PC
- Based on the NX100 controller - Equal programming pendant and equal programming language Inform III is used with the NXC100 controller.

Ideal for robotic applications such as small part handling, assembly and packaging small items.

The NXC100 controller is especially designed to control the following MOTOMAN robot types:

HP3
HP3XF
HP5

HP3L



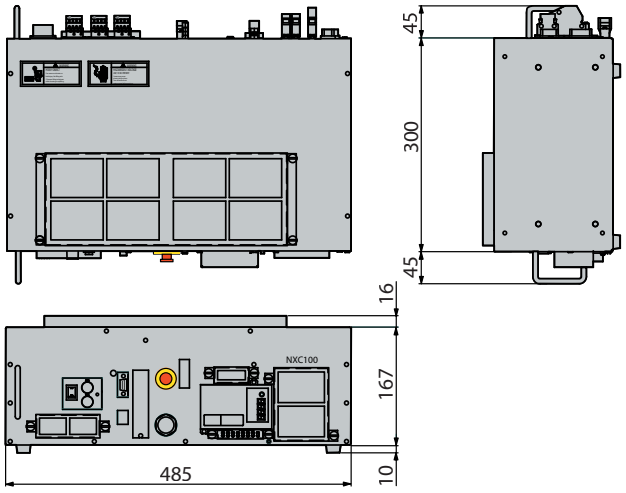




High performance controller for small places - MOTOMAN-NXC100

Control cabinet

Dimensions	183 (W) x 485 (H) x 300 (D)
Weight	Approx. 16 kg
Cooling system	Indirect cooling
Ambient temperature	0° to +40°C (operation) –10° to +60°C (transport and storage)
Relative humidity	Max. 90% non-condensating
Power supply	1-phase 200/220 VAC at 50/60 Hz
Digital I/O	12 inputs/14 outputs (standard) (Expandable to 40 inputs/40 outputs)
Analogue in/outputs	3 channels (optional)
Positioning system	Absolute encoder / serial interface
Program memory	60.000 steps, 10.000 instructions and 10.000 PLC steps
Interface	RS-232C



Notice

- These dimensions for reference only. Please require detail drawings for all design or engineering.
- All dimensions are metric (mm)

Maintenance

Functions	System monitor, internal maintenance clocks (e.g. Servo power-on time)
Self-diagnosis	Classifies errors and major/minor alarms and displays the data
User alarm display	Alarm messages for peripheral devices
Alarm display	Alarm messages and alarm history
I/O diagnosis	Simulated enable/disable outputs
TCP calibration	Automatic calibration of TCP (Tool Center Point)

Programming pendant

Dimensions	200 (W) x 340 (H) x 60 (D)
Touchscreen display	6.5" colour LCD (640x480 pixels)
Weight	1,3 kg
Coordinate system	Joint, Rectangular/cylindrical, Tool, User-coordinates
Speed adjustment	Fine adjustment possible during operation or teach mode
Shortcuts	Direct access keys and user selectable screen keys possible
Language	English
Interface	Compact Flash card slot
Operating system	Windows CE

Safety features

Specifications	Dual-channel safety system (Emergency stop, safety interlock), 3-position Dead-man's switch, European safety standard (ISO10218)
Collision avoidance	Collision avoidance zones and radial interference zones
Collision detection	Monitors robot axes' torque levels
Machine lock	Test-run peripheral device without robot motion possible

Programming

Programming language	INFORM III
Robot motion control	Joint motion, linear, circular, spline interpolation
Speed adjustement	Joint motion (% of maximum)
	Interpolation (mm/sec; cm/min; inch/min)
	Angular velocity (°/sec)

TÜV CERT
EN ISO 9001:2000
Zertifikat Nr. 20 100 9864

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