

Technical Data

6-axis industrial robot HORST1400

Basic data

Number of axes	6
Maximum payload	12 kg (nominal load 8 kg)
Range	1425 mm
Repeatability	+/- 0.10 mm
Protection classification	IP54
Sound level	< 70 dB (A)
Weight	ca. 150kg
Power supply	230 VAC, 50-60 Hz typically: 500 W
Ambient temperature	5-40 °C

Programming (Software)

horstFX

horstFX provides you with an intuitive and convenient graphical user interface. The updateable horstFX operating software enables textual and graphical programming, external operation, and extended speed settings.

IoT-Plattform (digital content)

horstCOSMOS

horstCOSMOS represents simplicity and efficiency. Profit from condition monitoring, backups & updates, a detailed collection of knowledge, and much more. This is how you make the most out of your automation solution.

Service & Support

horst365

We offer you the support you need with our staggered horst365 service contracts. From setting up the robot system to predictive system maintenance to warranty extension - everything is possible with our support and service packages.

The information, data, and illustrations given are for information purposes only and do not constitute a warranty of properties. Subject to change without notice. The respective subject matter of the contract is decisive for the scope of delivery.

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Robot system HORST1400

Performance Data

	Without horstFX performance	With horstFX performance
Max. speed TCP	1.3 m/s	4.3 m/s
Load-dependent speed	-	✓

Speed determined with a payload of 0 kg



Get more technical information about our HORST robot system, the horstFX software, and all digital service packages here.

Operation

horstPANEL

13.3-inch touchscreen with emergency stop, three-level enabling switch, and two USB interfaces (incl. mount).

Control and interfaces

horstCONTROL

Dimensions (H x W x D)	313 mm x 174 mm x 446 mm
I/O connections on switch cabinet	20 digital inputs (expandable to 28) 18 digital outputs (expandable to 30)
I/O connections on tool flange	2 digital inputs and outputs each
I/O power supply	24 V/7 A at control 24 V/2.5 A at tool flange
Communication	TCP/IP 100-Mbit/s Ethernet (sockets), primary interface (XML-RPC)*
Fieldbuses	Modbus/TCP* Profinet*
Safety-relevant Interfaces (2 channels each)	Emergency stop, Safety stop [input and output each] in accordance with DIN EN ISO 10218-1; PL d. + 4 config. safety inputs + 6 config. safety outputs
Wiring of HORST	Cable between robot and control: 3 m
Wiring of the control unit	Cable between control unit and control: 5 m/10 m

* Availability of interfaces according to software package