

# Technical Data

## 6-axis industrial robot HORST900

### Basic data

Number of axes	6
Maximum payload	5 kg (nominal load 3 kg)
Range	905 mm
Repeatability	+/- 0.05 mm
Protection classification	IP54
Sound level	< 70 dB (A)
Weight	ca. 55 kg
Power supply	230 VAC, 50-60 Hz typically: 350 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.

### IIoT-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 HORST900

#### Performance Data

	Without horstFX Performance	With horstFX Performance
Max. Speed TCP	1.6 m/s	4.4 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