

Technical Data Sheet



6-axis industrial robot HORST600 fast

Basic data

Number of axes	6
Maximum payload	2 kg ¹
Nominal load	1 kg
Maximum range	584 mm
Repeatability	+/- 0,05 mm
Protection classification	IP54
Sound level	< 75 dB
Weight	ca. 20 kg
Installation area	382 x 200 mm
Standard color	RAL 5021 (water blue)
Power supply	230 VAC, 50-60 Hz, 450 W/600 W
Ambient temperature	5-40 °C
Mounting position	floor, wall, ceiling

Axis data

Axis	Range of movement	Speed ²
1	+/- 176°	450°/s
2	+/- 90°	150°/s
3	+/- 90°	240°/s
4	+/- 171°	450°/s
5	+/- 119°	360°/s
6	+/- 300°	360°/s

¹ Depending on load distances and speed.

² The specified speeds apply for a payload of 1 kg.

Control and interfaces horstCONTROL

Dimensions (H x B x T)	313 mm x 174 mm x 446 mm
I/O connections on switch cabinet	16 digital inputs 14 digital outputs Enhancements possible.
I/O connections on tool flange	2 digital inputs and outputs
I/O power supply	24 V/3 A at control 24 V/2 A at tool flange
Communication	TCP/IP 100-Mbit/s Ethernet [Web-Interface via HTTP]
Safety-relevant interfaces	Emergency stop [input and output] Safety stop [input and output] in accordance with DIN EN ISO 10218-1
Fieldbus	Modbus/TCP Profinet
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 313 mm x 174 mm

Programming horstFX

Software	horstFX user interface: simple graphic programming, advanced textual programming and intelligent features. Can be updated.
Control unit	13.3-inch touchscreen with emergency stop, three-level enabling switch and two USB interfaces
Mount	Fixture for mounting the control unit on the wall, table or cell



fruitcore robotics GmbH
Macairestraße 3
78467 Konstanz

T. +49 7531 94599 20
E. info@fruitcore.de
www.fruitcore-robotics.com

Version: V 200616
© fruitcore robotics GmbH



Technical Data Sheet

6-axis industrial robot HORST600 STRONG

Basic data

Number of axes	6
Maximum payload	3 kg ¹
Nominal load	2 kg
Maximum range	584 mm
Repeatability	+/- 0,05 mm
Protection classification	IP54
Sound level	< 75 dB
Weight	ca. 20 kg
Installation area	382 x 200 mm
Standard color	RAL 5021 (water blue)
Power supply	230 VAC, 50-60 Hz, 450 W/600 W
Ambient temperature	5-40 °C
Mounting position	floor, wall, ceiling

Axis data

Axis	Range of movement	Speed ²
1	+/- 176°	240°/s
2	+/- 90°	100°/s
3	+/- 90°	180°/s
4	+/- 171°	240°/s
5	+/- 119°	160°/s
6	+/- 300°	160°/s

¹ Depending on load distances and speed.

² The specified speeds apply for a payload of 1 kg.

Control and interfaces horstCONTROL

Dimensions (H x B x T)	313 mm x 174 mm x 446 mm
I/O connections on switch cabinet	16 digital inputs 14 digital outputs Enhancements possible.
I/O connections on tool flange	2 digital inputs and outputs
I/O power supply	24 V/3 A at control 24 V/2 A at tool flange
Communication	TCP/IP 100-Mbit/s Ethernet [Web-Interface via HTTP]
Safety-relevant interfaces	Emergency stop [input and output] Safety stop [input and output] in accordance with DIN EN ISO 10218-1
Fieldbus	Modbus/TCP Profinet
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 313 mm x 174 mm

Programming horstFX

Software	horstFX user interface: simple graphic programming, advanced textual programming and intelligent features. Can be updated.
Control unit	13.3-inch touchscreen with emergency stop, three-level enabling switch and two USB interfaces
Mount	Fixture for mounting the control unit on the wall, table or cell



fruitcore robotics GmbH
Macairestraße 3
78467 Konstanz

T. +49 7531 94599 20
E. info@fruitcore.de
www.fruitcore-robotics.com

Version: V 200616
© fruitcore robotics GmbH