FAST MOVING TECHNOLOGY

STÄUBLI

A robot line tailored to your specific needs

Join Positive Robotics

Robotic solutions for your work environment

reddot winner 2021

reddot winner 2023

Automotive	Pharmaceutical	Medical	Metal Machine tools	Photovoltaics Semiconductor	Food	And many more

Product performance for your productivity

Speed, precision

Our range of robots offers you the ideal combination of speed, rigidity, size and precision. Their unique features make them adaptable to all industries, including sensitive environments.

Safety

The CS9 generic controller is equipped with optional SIL3-PLe safety functions for high productivity AND reliable Man-machine collaboration.

Sustainability

Our automated solutions accelerate the future of smart and sustainable production, improve workplace health and safety, help reduce waste and drive improvements in global health.

A committed team at your side

Services packs
with responsiveness and warranty

Hotline
with 80% remote resolution rate

Training courses
tailored to your employees' need

200 service engineers
around the world

Maintainability guaranteed
with 15 years parts availability

Highly trained technicians
to keep your production running

MyStäubli Portal

Make your life easier by putting everything you need to manage your robot in one place!

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Tools to optimize and control your business

1. Design
Bring your project to life, ensuring the highest standards of safety

2. Program
Different programming environments to match every programmer's expertise

3. Optimize
Minimize cycle times and extend robot service life

4. Monitor
Generate timely alerts to control the production process and prevent breakdowns

Product highlight: SCOPE

A solution to monitor, review and analyze your production to optimize your automation and maintenance processes paving the way to anticipate breakdowns and getting closer to zero downtime.

Standard robots — TS2 series

	TS2-40	TS2-60	TS2-80	TS2-100
Load capacity	8.4 kg	8.4 kg	8.4 kg	8.4 kg
Reach at wrist	460 mm	620 mm	800 mm	1000 mm
Number of axes	4	4	4	4
Repeatability X-Y (ISO 9283)	± 0.01 mm	± 0.01 mm	± 0.015 mm	± 0.02 mm
Stroke	200 mm or 400 mm (option)	200 mm or 400 mm (option)	200 mm or 400 mm (option)	200 mm or 400 mm (option)
Protection class (wrist)	Up to IP65	Up to IP65	Up to IP65	Up to IP65
Cycles per minute (4 axis), Max cartesian speed (6 axis)	240 ppm	220 ppm	200 ppm	170 ppm
Weight	38 kg	39 kg	40 kg	41 kg
Multiple mounting attachments	Floor / Ceiling			
Food oil NSF H1	✓	✓	✓	✓
Robot controller	CS9 LP	CS9 LP	CS9 LP	CS9 LP

Standard robots — TX2 series

	TX2-40	TX2-60	TX2-60L	TX2-90	TX2-90L	TX2-90XL	TX2-140	TX2-160	TX2-160L	TX2-200	TX2-200L
Load capacity	2 kg	4.5 kg	3.7 kg	14 kg	12 kg	7 kg	40 kg	40 kg	25 kg	170 kg	110 kg
Reach at wrist	515 mm	670 mm	920 mm	1000 mm	1200 mm	1450 mm	1510 mm	1710 mm	2010 mm	2209 mm	2609 mm
Number of axes	6	6	6	6	6	6	6	6	6	6	6
Repeatability X-Y (ISO 9283)	± 0.02 mm	± 0.02 mm	± 0.03 mm	± 0.03 mm	± 0.035 mm	± 0.04 mm	± 0.05 mm	± 0.05 mm	± 0.05 mm	± 0.045 mm	± 0.055 mm
Protection class (wrist)	IP65 (67)	IP65 (67)	IP65 (67)	IP65 (67)	IP65 (67)	IP65 (67)	IP65 (67)	IP65 (67)	IP65 (67)	IP65 (67)	IP65 (67)
Cycles per minute (4 axis), Max cartesian speed (6 axis)	8.6 m/s	8.4 m/s	11.1 m/s	10.9 m/s	11.1 m/s	11.6 m/s	9.5 m/s	10.3 m/s	12.2 m/s	12 m/s	14 m/s
Weight	29 kg	52 kg	53 kg	114 kg	117 kg	119 kg	250 kg	260 kg	265 kg	980 kg	1000 kg
Multiple mounting attachments	360° mounting possibility						Floor / Ceiling				Floor / Ceiling³
Food oil NSF H1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Robot controller	CS9 LP	CS9 LP	CS9 LP	CS9 LP	CS9 LP	CS9 LP	CS9 MP	CS9 MP	CS9 MP	CS9 HP	CS9 HP

Collaborative options

	TX2-40	TX2-60	TX2-60L	TX2-90	TX2-90L	TX2-90XL	TX2-140	TX2-160	TX2-160L	TX2-200	TX2-200L
Unique modular SIL3-PLe safety functionalities (option)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
POWER cobot TX2touch range (safe touch skin)		✓	✓	✓	✓	✓					

Application segments

Medical · Semicon / PV · Automotive · Electronics · Food · Machine tools · Pharmaceutical

- Cleanroom / Supercleanroom
- ESD
- Hygienic - humid
- Stericlean
  - Aseptic
  - Designed for RABs and freeze dryers
- Stericlean+
  - Highly aseptic
  - Designed for isolators

(*)

* Consult us

Controller range

	CS9 LP	CS9 MP	CS9 HP
Dimensions (LxWxH)	270 x 445 x 365 mm	297 x 445 x 365 mm	780 x 680 x 650 mm
Weight	38 kg	44 kg	78 kg
Features	1 GB RAM / USB ports / 2 GB CFAST / Serial link RS232, 2 Ethernet ports (Socket, FTP Server/Client) / Web server / EtherCAT Master / Modbus TCP/IP Server & Client, Sercos III Slave, Ethernet IP Adapter, ProfiNet IO-Device, EtherCAT Slave, PowerLink Controlled Node, FSoE Slave		
Options	PCIe card: ASI Master, CCLink Client, Profibus DP Master & Slave, Ethernet IP Scanner & Adapter, ProfiNet IO-Controller & Device, EtherCAT Master & Slave, Sercos III Master & Slave, PowerLink Controlled Node	Remote I/O Industrial chassis with air-to-air heat exchanger OPC UA server	

SP2 manual control unit

This unique terminal combines a lightweight design, ergonomics (for left- or right-handed user) and robustness to deliver advantages in all environments:
- Built-in programming, maintenance and supervision,
- Safety functions (3-position dead-man control, emergency stop),
- Ease of use, graphics and intuitive interface,
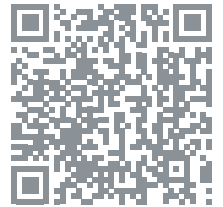- Integrated Web technology.

Mobile robotics

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- Platform
- Forklift
- Mobile Robot System

● Stäubli Units   ○ Representatives/Agents

Global presence
of the Stäubli Group

www.staubli.com

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