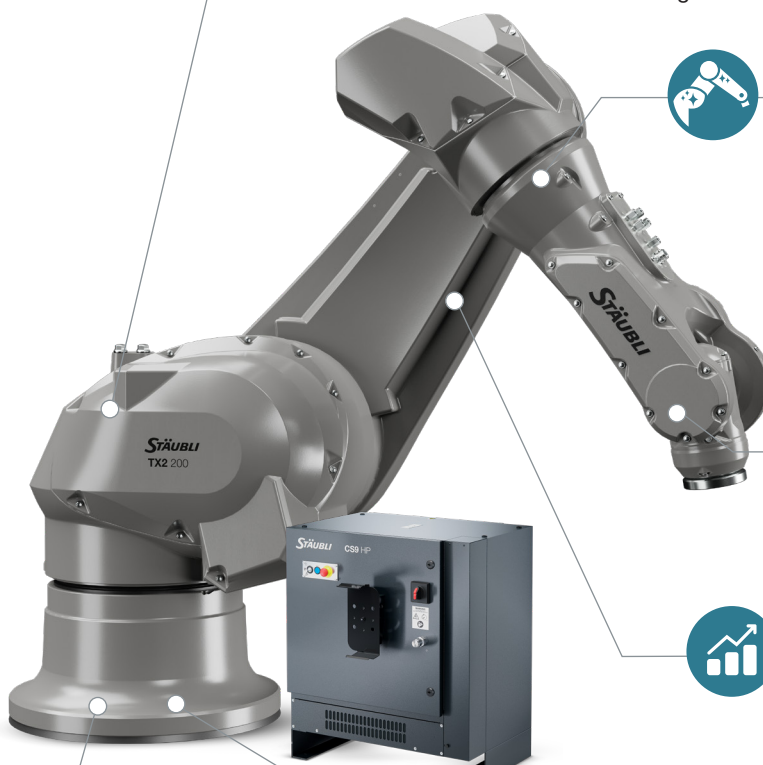


WHEN HEAVY PAYLOAD MEETS SAFETY



# TX2-200 HE robot range



**Easy and flexible integration**

- Cell manufacturing time saving
- Cost saving and space saving by
  - optimizing stopping distance and fence lightening (SafeSpeed, SafeZone, SafeStop, Brake Distance Calculator, ...)
  - easier integration for multi robot solution concept (compact and stackable CS9, 1 interco per arm) Worldwide standardized voltage compatibility up to 400V for more manufacturing localization flexibility
- Worldwide standardized voltage compatibility up to 400V for more manufacturing localization flexibility

**Cleanability and food compliance**

- No need for hygienic extra cover
- No radius <6.35mm following EHEDG standards
- H1 oil and halal compliant
- Large operating conditions scope (adverse/harsh)
- Large chemical compatibility for cleaning products and process scope, detergent pH 2-12, chlorine & h2o2\*

**Safety first**

- Highest safety performance on the market SIL3 PLe for compliance with Autonomous Mobile Robot and collaborative robotics

**Improved performance**

- Ready for heavier payload (170 kg) / inertia for more application compatibility and more versatility
- At high speed

**TCO – Sustainable investment**

- Operating cost optimization by:
  - energy savings (10% less consumption compared to previous generation in running mode, 40% less in hibernate mode)
  - Faster cleaning process, no need for hygienic extra cover thanks to an encapsulated design
  - Fast and clean oil change thanks to Stäubli CBI fluid connectors on elbow and shoulder
- Safe investment
  - 15 years for spare parts availability
  - Best-in-class lifetime under adverse/harsh

**High connectivity**

- Extended connectivity for extended tooling and vision system compatibility
- IoT ready
- Open programming solutions by our CS9 controller or by PLC

(\*) see conditions



MODEL	TX2-200	TX2-200L
Load capacity	170 kg	110 kg
Reach (between axis 1 and 6)	2209 mm	2609 mm
Number of degrees of freedom	6	6
Repeatability - ISO 9283	± 0.045 mm	± 0.055 mm
Max cartesian speed	12 m/s	14 m/s
Weight	980 kg	1000 kg
Stäubli series controller	CS9 HP	CS9 HP

#### CS9 HP controller - (H x W x D) 780 x 680 x 650 mm - 78 kg

- 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
- Industrial chassis with air-air heat exchanger



#### Optional:

- 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
- **OPC UA** server

#### SP2 manual control unit: the power at your fingertips

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).



## Available versions



**AUTOMOTIVE  
METAL**



**FOOD**



**PHARMA**