Product range

Robotics | Experts in Man and Machine
A unique industrial robot range, power cobots and mobile robot systems for many industries

Main benefits

**SMART DESIGN**
- Encapsulated arms, no external cables
- Compatible with all environments from harsh and dirty to sterile
- IP65/67 for the entire arm with pressurization kit

**INTEGRATION FLEXIBILITY**
- Large and efficient work envelope
- Multiple mounting possibilities for flexible and scalable integration
- Small foot print for entire range

**HIGH PERFORMANCE**
- Patented JCS gearbox specially designed for compact robots bringing high dynamics, agility and path precision
- Compatible with NSF H1 food oil with no loss in performance
- 19-bit multi-turn absolute encoder technology

**CONNECTIVITY TO THE SMART PRODUCTION**
- Integrated electrical and pneumatic user circuit including Cat5e
- Compatibility with all production devices, ERP and standardized protocols including OPC UA
- Web server embedded in CS9 controller

**CONSISTENT RELIABILITY FOR SECURED PAYBACK**
- Lower total cost of ownership and faster return on investment
- Most energy efficient robot system based on VDMA norm 24608
- High lifetime and low maintenance, all subcomponents easily accessible and exchangeable
## Controller range

### CS9
- (H x W x D) 270 x 445 x 365 mm - 38 kg
- IP20
- 1 GB RAM
- USB ports
- 2 GB CFast
- Serial link RS232, 2 Ethernet ports (Socket, FTP Server/Client)
- EtherCAT Master
- Modbus TCP/IP Server & Client, Sercos III Slave, Ethernet IP Adapter, Profinet IO-Device, EtherCAT Slave, PowerLink Controlled Node
- Optional for CS9 model:
  - PCIe card: ASI Master, CCLink Client, Profinet 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

### CS8C
- (H x W x D) 331 x 445 x 455 mm - 50 kg
- (H x W x D) 481 x 445 x 455 mm - 60 kg
- IP20 (IP54 option)
- 512 Mb RAM
- USB ports
- 2 GB Nand Flash
- Communication RS232/422 serial link, 2 Ethernet ports (Socket, FTP Server/Client)
- Modbus TCP/IP Server
- Optional for CS8C models: Modbus TCP/IP Client, CanOpen Master, Profinet DP Master & Slave, DeviceNet Master & Slave, Ethernet IP Scanner / Adapter, Profinet IO-Controller and IO-Device, EtherCAT Slave, PowerLink Slave, OPC UA server
- 1 or 2 boards 16/16 digital I/O, optional

### CS8C paint / CS8C HP
- (H x W x D) 1035 x 850 x 780 mm - 140 kg
- (H x W x D) 1035 x 607 x 815 mm - 140 kg
- IP54
- 512 Mb RAM
- USB ports
- 2 GB Nand Flash
- Communication RS232/422 serial link, 2 Ethernet ports (Socket, FTP Server/Client)
- 1 or 2 boards 16/16 digital I/O, optional
- Modbus TCP/IP Server
- OPC UA server as an option
- 2 GB Nand Flash
- Communication RS232/422 serial link, 2 Ethernet ports (Socket, FTP Server/Client)
- 1 or 2 boards 16/16 digital I/O, optional
- Modbus TCP/IP Server
- OPC UA server as an option

### CS8C M
- (H x W x D) 520 x 200 x 300 mm - 17 kg
- IP20
- 512 Mb RAM
- USB ports
- 2 GB Flash disk
- Communication RS232/422 serial link, 2 Ethernet ports (Socket, FTP Server/Client)
- 1 or 2 boards 16/16 digital I/O, optional
- Modbus TCP/IP Server
- OPC UA server as an option

## 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.
Global presence of the Stäubli Group

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