

FAST MOVING TECHNOLOGY

STÄUBLI

TS2 robot range

Robotics | Experts in Man and Machine



TS2 SCARA RANGE

Design, performance and connectivity redefined

Stäubli is entering a new performance class with its TS2 SCARA series. The completely redesigned 4-axis machine with proprietary JCS drive technology facilitates ultra-short cycle times and high repeatability. It also has a revolutionary hygienic design which opens up new possibilities for use in sensitive environments. It is piloted by the generic CS9 controller that also controls TX2 6-axis robots.

Outstanding speed and dynamics

- Patented JCS gearbox on axis 1 and 2



Best in class repeatability

- Unique, 18-bit safe digital absolute multi-turn encoders ready to operate with no initiation

Complete encapsulated design

- First full encapsulated design
- Different integrated tubings and valves available
- Clean and hygienic:
 - no screws from the top in whole working envelope
 - hexagonal screw head
 - vertical cabling possible



Smart connected tool

- Pneumatic and electrical circuit including Cat5e available at the tool
- Integrated tool changer available (optional) Allows automatic - manual connection / disconnection of various tools



TS2 SCARA RANGE - MAIN CHARACTERISTICS

A full range to meet all requirements



TS2-40

TS2-60

TS2-80

TS2-100

Maximum payload	8.4 kg	8.4 kg	8.4 kg	8.4 kg
Nominal payload	2.4 kg	2.4 kg	2.4 kg	2.4 kg
Reach	460 mm	620 mm	800 mm	1000 mm
Number of axis	4	4	4	4
Protection class - EN 60529	Up to IP65 with ball screw cover and bellows			
Weight	37.7 kg	38.7 kg	39.7 kg	41.1 kg
Robot controller	CS9	CS9	CS9	CS9



Unique cylindrical envelope and small footprint

- Axis 1 working range: $\pm 180^\circ$
- High dexterity in small workspaces due to compact integration of motors



Flexible integration in the production line

- Floor and ceiling versions available



Versions for sensitive environments

To be launched soon:
Harsh - Humid - Hygienic - Cleanroom - Aseptic - ESD compliant

