



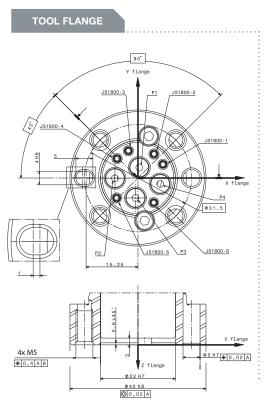
## **TS20 industrial robot**

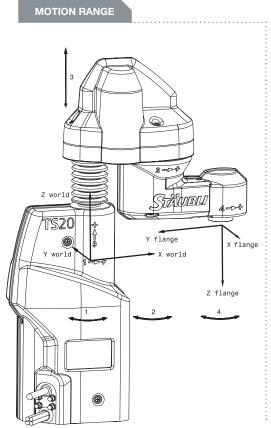


**TS** SCARA / 4 axis

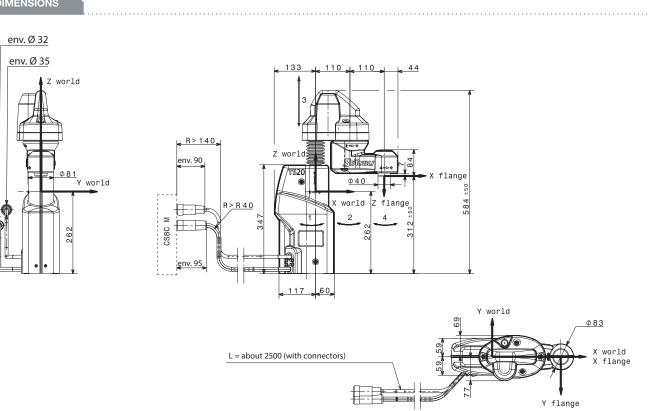
## **TS20**

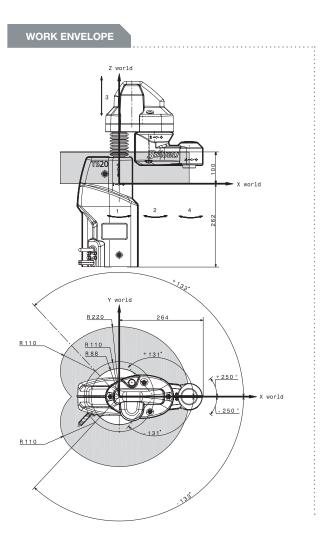
CHARACTERISTICS	S
Maximum load (1)	1 kg
Nominal load	0,5 kg
Reach	220 mm
Number of degrees of freedom	4
Repeatability - ISO 9283	± 0,01 mm
RANGE OF MOTION	N
Angular reach axis 1	± 133°
Angular reach axis 2	± 131°
Stroke axis 3	100 mm
Angular reach axis 4	±250°
WORK ENVELOPE	
Maximum radius between axis 1 & 3	220 mm
Minimum radius between axis 1 & 3	88 mm
MAXIMUM SPEED	
Axis 1	1205 °/s
Axis 2	1715 °/s
Axis 3	645 mm/s
Axis 4	3760 °/s
Maximum inertias (Axis 4)	0,0022 kg.m <sup>2</sup>
Weight	15 kg
Brakes	Axis 1 and 3
Cleanroom standard - ISO 14644-1	8
Protection class according to standard NF EN 60529	IP10
Stäubli CS8 series controller	CS8C M
USER INTERFACE (on too	l flange)
Electrical cables	6 x 0,21 mm² (AWG24) not shielded
Pneumatic lines	2 x Ø1,8 mm
Tension & maximum current by contact	24 VDC - 1A
INSTALLATION ENVIRON	IMENT
Working temperature according to standard directive NF EN 60 204-1	+5°C to +40°C
Humidity according to standard directive NF EN 60 204-1	30% to 90% max. non-condensing

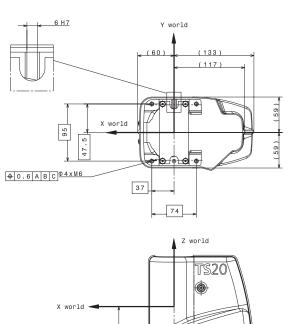




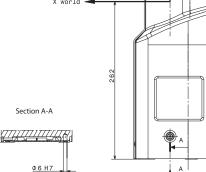








ATTACHMENT



## The future is Man and Machine

## **PRODUCT BENEFITS**

The TS20 is very compact and built for high speed. Designed entirely by Stäubli, it offers many of the same features as larger robots in our TS line, delivering clean, consistent and performance.



For a list of Stäubli Robotics offices around the world, please go to www.staubli.com/robotics