

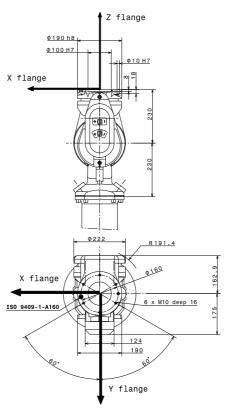


# **TX340 SH industrial robot**

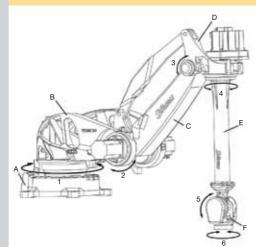


|  | MODEL                                       | TX340 SH  |
|--|---|---|
| Characteristics  |   |   |
| Load capacity at wrist   |   | 165 kg  |
| Reach (between axis 1 and 6)                                       |   | 3680 mm   |
| Number of degrees of freedom                                       |   | 6   |
| Repeatability - ISO 9283   |   | ±0,1 mm   |
| Motion range   | Axis 1                                      | ± 180°  |
|  | Axis 2                                      | -50° / +170°  |
|  | Axis 3                                      | -18,8° / -288°  |
|  | Axis 4                                      | ± 270° (1)  |
|  | Axis 5                                      | ± 125°  |
|  | Axis 6                                      | ± 270° (2)  |
| Work<br>envelope   | Maximum radius between axis 1 and 5 (R. M1) | 3450 mm   |
|  | Maximum radius between axis 2 and 5 (R. M)  | 2600 mm   |
|  | Minimum radius between axis 2 and 5 (R. m2) | 715 mm  |
|  | Minimum radius between axis 3 and 5         | 1465,48 mm  |
| Nominal speed  | Axis 1                                      | 85°/s   |
|  | Axis 2                                      | 90°/s   |
|  | Axis 3                                      | 110°/s  |
|  | Axis 4                                      | 130°/s  |
|  | Axis 5                                      | 130°/s  |
|  | Axis 6                                      | 195°/s  |
| Maximum speed at load gravity center                               |   | 12 m/s  |
| Maximum<br>inertias  | Axis 5                                      | 102 kg.m <sup>2</sup>   |
|  | Axis 6                                      | 40 kg.m <sup>2</sup>  |
| Weight   |   | 1430 kg   |
| Brakes   |   | All axis  |
| Forearm connections  | Pneumatic                                   | Direct air line between the base and axis 3                         |
|  | Electrical                                  | Multibus cable connected to the base<br>Cable Signal Input / Output |
| Protection class according to standard NF EN 60529                 |   | IP65  |
| Stäubli CS8 series controller                                      |   | CS8C HP   |
| Installation environment   |   |   |
| Working temperature according to standard directive NF EN 60 204-1 |   | +0°C to +45°C   |
| Humidity according to standard directive NF EN 60 204-1            |   | 5% to 95% max. non-condensing                                       |
| Attachment methods   |   | Floor   |

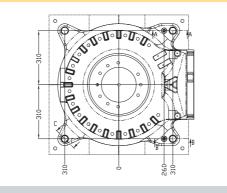
# Tool flange



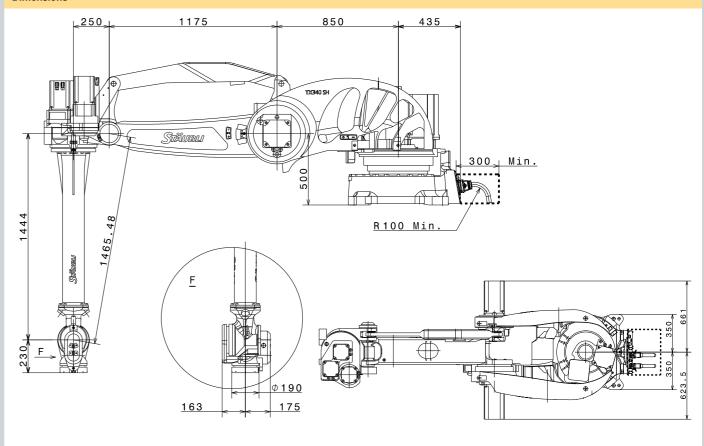
## Motion range



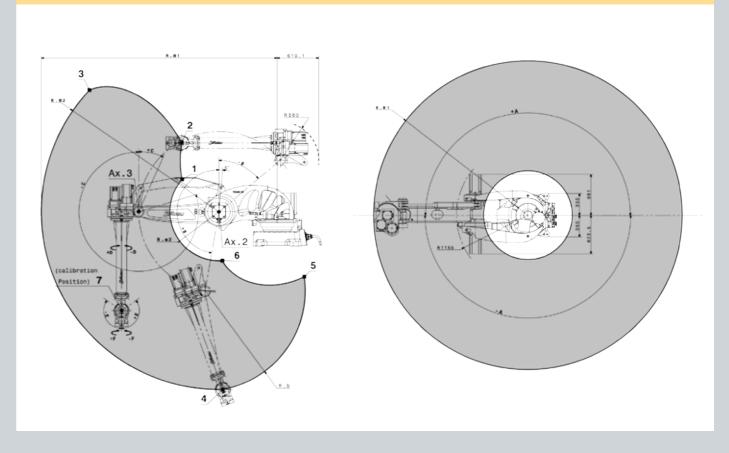
# Attachment



## Dimensions



#### Work envelope



- (1) Software configurable up to  $\pm$  2700 °. (2) Software configurable up to  $\pm$  18000 °.



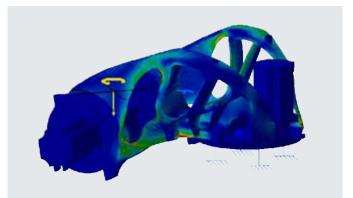
# **Product benefits**

The TX340 SH (Shelf) robot features unique benefits to fit in all environments providing the best possible process quality and increased productivity.



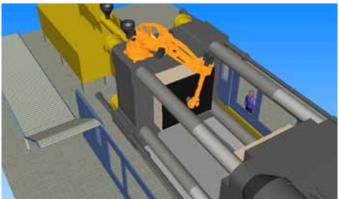
#### **INCREASED PERFORMANCE**

New robot arm generation lightweight and compact bringing shorter cycle times and reduced energy consumption.



#### **RIGID STRUCTURE**

High dynamic performance.



# **IDEAL FOR PLASTICS INDUSTRY**

Robot load of 165 kg with a range of 3.6 m and able to work under its base (version Shelf), mounted for example on an injection molding machine.



## **MULTIPLE CONNECTIONS**

Possible connection on the elbow or the robot flange.



#### **UNIQUE CONTROL PLATFORM**

Stäubli offers a complete range of 4 and 6 axis robots controlled by a single family of CS8 controllers.



# ADDED FLEXIBILITY

Additional options at the foot of the machine can be handled with the six axis robot.

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