



Robot specifications

Technical data

Description	Ruggedized 6 DOF Articulated Serial Robotic Manipulator
Payload and Reach	5 Kg Payload Capacity at 700 - 1000 mm reach
System Weight	25-35 Kg
Reduction	High precision Harmonic gearboxes
Safety	Mechanical joint safety brakes for loss of power
Voltage and Power	24V DC, 1000W
Joint Rotation Range	Axis 1 - $\pm 180^\circ$ Axis 2 - $\pm 90^\circ$ Axis 3 - $\pm 150^\circ$ Axis 4 - $\pm 150^\circ$ Axis 5 - $\pm 150^\circ$ Axis 6 - $\pm 360^\circ$
Joint construction	Brushless DC Motors controlled using FOC (field-oriented control) motor driver reduced by strain-wave gearboxes with solenoid actuated brake
Control system	Hybrid (offline+online) programming, End-point trajectory control and inherent collision avoidance, User-friendly HMI with jogging mode, Job scheduler
Gripper	Please Contact Twara Robotics for state of the art gripping solutions.