



Robot specifications

Technical data

Description	Ruggedized 6 DOF Articulated Serial Robotic Manipulator
Payload and Reach	10-12 Kg payload with 1000mm reach
System Weight	50 Kg
Reduction	High precision Harmonic gearboxes
Safety	Mechanical joint safety brakes for loss of power
Voltage and Power	24V DC, TBD
Joint Rotation Range	Axis 1 - ±180° Axis 2 - ±90° Axis 3 - ±150° Axis 4 - ±150° Axis 5 - ±150° Axis 6 - ±360°
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.