

Specifications - R17HS and R17HSW Higher Speed Versions

Drives:	HS: State-of-the-art brushless servos with hybrid stepping motors on axes 4+5. HSW: brushless servo on waist only, hybrid stepping motors on axes 2,3,4,5. incremental encoder watchdogs
Reach:	750mm/30ins in any direction; full 360 degree waist rotation
Payload:	nominal 1Kg, max 2Kg at flange. (repeatability and speed degrade with increasing payload and reach).
Repeatability:	0.2mm ¹
Compliance: droop at 500mm at nominal payload:	1.0mm
Maximum speed (after acceleration ²)	HS: Waist 480 deg/sec, Shoulder 300 deg/sec, Elbow 480deg/sec, hand and wrist 480deg/sec. HSW: Waist 480 deg/sec, Shoulder 120 deg/sec, Elbow 180deg/sec, hand and wrist 360deg/sec.
Max torque for hand pitch or roll:	5 Nm.
Weight	Robot 22.5Kg/50lbs, Controller 11.1kg/25lbs
Power:	110/240v ac 420VA (standard controller)
Environment:	IP 54A, 0 - 40C (wider range optional)
MTBF:	20,000 hours (typically over a million cycles)
Finish:	White powder-coat plus white vacuum formed ABS plastic covers.