

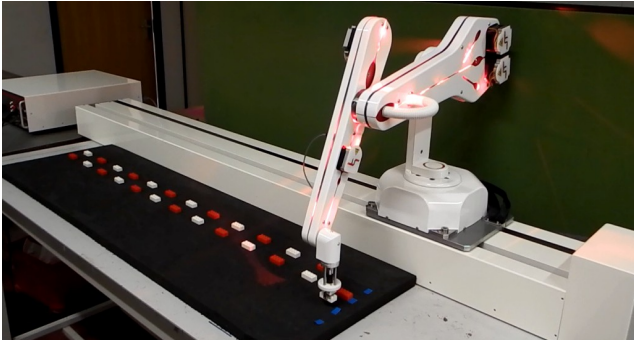


R15 linear track data sheet

The linear track for ST Robots comprises the L-type axis of ST's R15 Cartesian robot system. There are two versions:

Heavy duty version

utilising dual recirculating crossed roller bearings.



R12 on a track



R17 on a track

Various gear ratios are available. The following specifications depend on gear ratios.

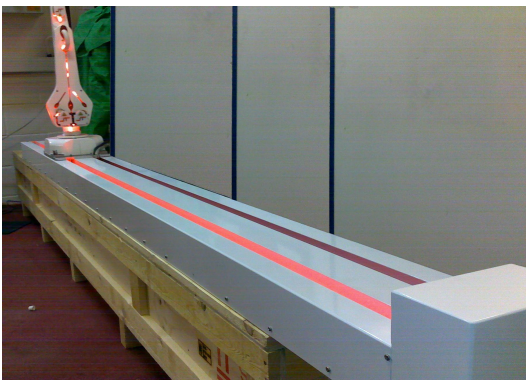
	metric	imp (Eng)
Max stroke	10 m	32 ft
Max speed	2000mm/sec	80 ins/sec
Payload horizontal	100 Kg	220 lbs
Repeatability	0.1mm	.004 ins

Very long tracks are constructed and shipped in sections that can be fitted together.

Non-magnetic version

The track is also available in non-magnetic materials. It has aluminium rails and austenitic steel fixings and bearings. The robot itself can not be non-magnetic but this track makes it possible for the robot to move in to the sensitive area and back out again leaving only the non-magnetic track in the area.

Gallery



Track illumination



A track under construction