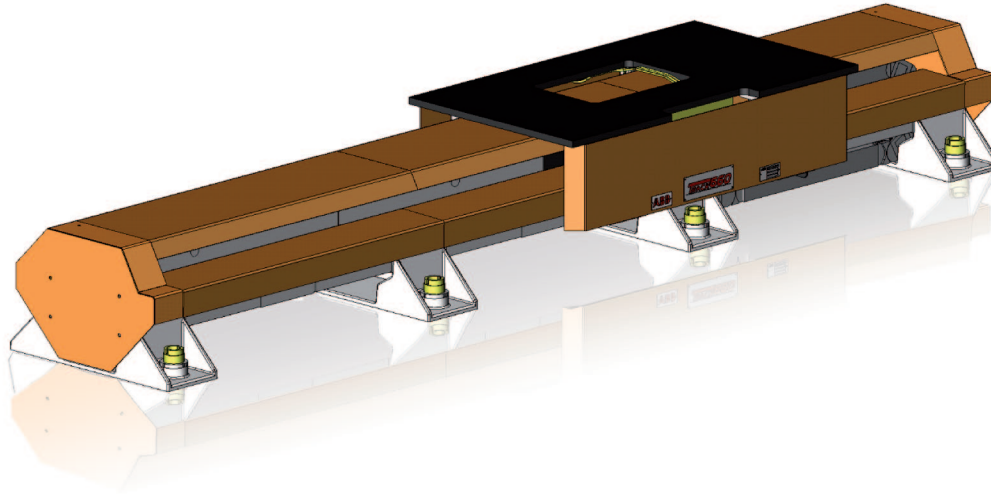


# IRT 501 FlexTrack : Material handling track motion

## Main Applications Material handling



### Key Benefits

- Compact design
- Easy to install – integrated leveling system
- Entirely protected – cable chain inside track
- High modularity – variable length with 1m modules & one or more independent carriages
- No limitation of length and number of carriages
- Optimized use of the robot
- High repeatability
- High static stability on the carriage
- Heavy loads capacity
- Extends the working range of the robot
- High speed and acceleration
- Robust design
- Low maintenance
- Patented technology (patent pending)

### Applications

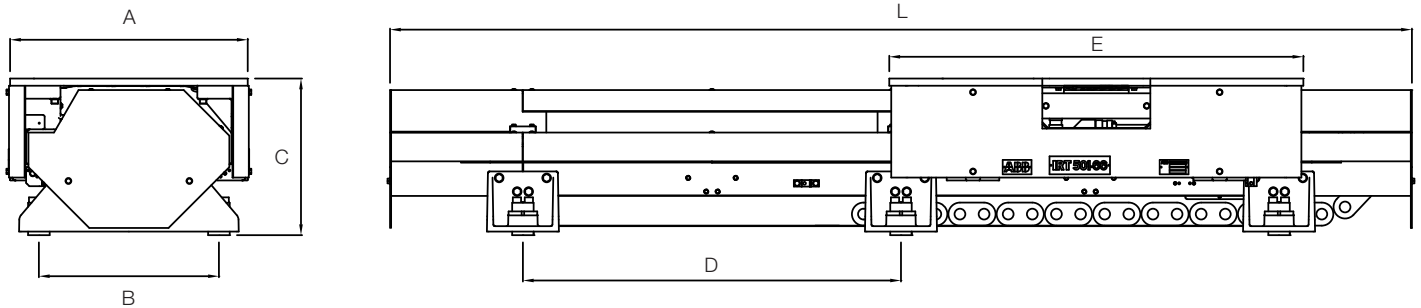
- Material handling
- Part conveying
- Spot welding
- Machine tending
- Arc welding
- Packing
- Palletizing
- Measuring
- Sealing
- Deburring
- Grinding
- Gluing
- Assembling

# IRT 501

Data	IRT 501-66	IRT 501-66R	IRT 501-90	IRT 501-90R
Repeatability	+/- 0.1 mm	+/- 0.1 mm	+/- 0.1 mm	+/- 0.1 mm
Acceleration *	2.1 m/s <sup>2</sup>	1.5 m/s <sup>2</sup>	1.5 m/s <sup>2</sup>	1.1 m/s <sup>2</sup>
Travel Speed *	2 m/s	1.5 m/s	1.5 m/s	1.2 m/s
A	660	660	900	900
B	500	500	680	680
C	435	435	495	495
D	1050	525	1050	525
E	1150	1150	900	900
L	738+Nx1050	738+Nx1050	738+Nx1050	738+Nx1050
Mass (kg)**	588 + 195 x S	628 + 235 x S	749 + 222 x S	801 + 274 x S
Maximum payload	900 kg	2000 kg	2000 kg	2950 kg
Robots capability:	IRB1400	IRB2400	IRB4400 IRB6600	RB6600 IRB7600
Protection:	IP54	IP54	IP54	IP54

\* With maximum payload

\*\* S: Stroke



## Base package

- IRT 501 FlexTrack minimum length 2.3 m
- One carriage
- Upper, lateral, side covers
- Parameter disk
- Documentation
- Automatic Lubrication

## Options

- Additional carriages
- Electric working range limit switch
- Zone division for track motion
- SMB box
- Robot Cables 5 - 10 - 15 m