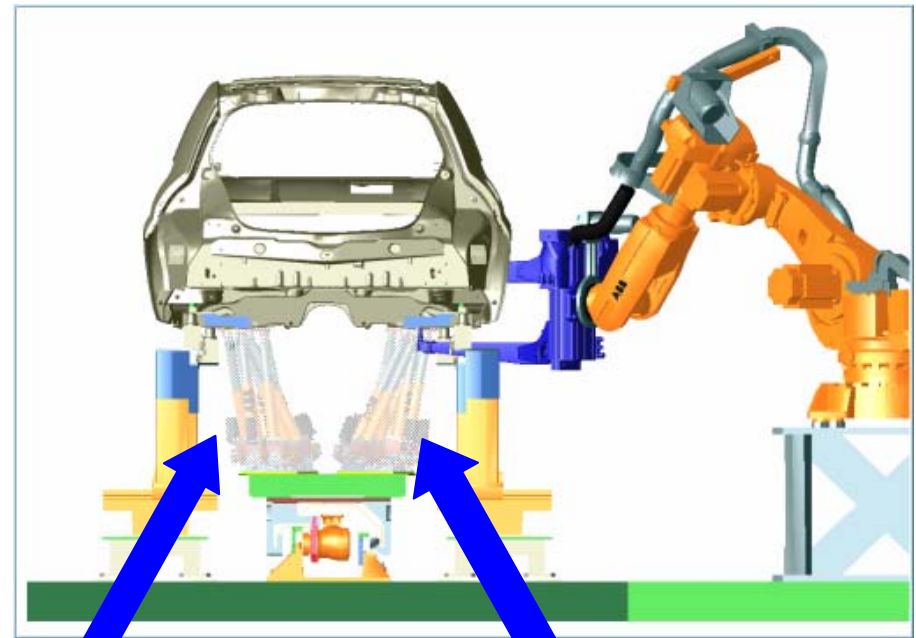


FlexTrack IRT 501



ABB BiW product – FlexTrack IRT 501



Material handling track motion

- Compact (660mm X 435mm)
- Entirely protected
- Heavy load capability (up to 3 tons)
- High transfer speed & acceleration (4.4sec for 6m)
- Part positioning (+/- 0,1 mm) and robot 7th axis

High accessibility



ABB

ABB BiW product – FlexTrack IRT 501

- **Compact motion track, entirely covered**
 - Cable chain inside track : entirely protected against pollution
 - Flat carriage
 - Installation possible on FlexiCell platforms
 - Integrated leveling system
- **High modular design**
 - Easy and fast assembly
 - Variable length (step: 1m), no limitation of length
 - One or few independent carriers, no limitation of number of carriages
 - 3 versions possible depending on payload
- **Robust design**
 - high stability of the carriers
- **Low maintenance**
- **IRC5 driven**

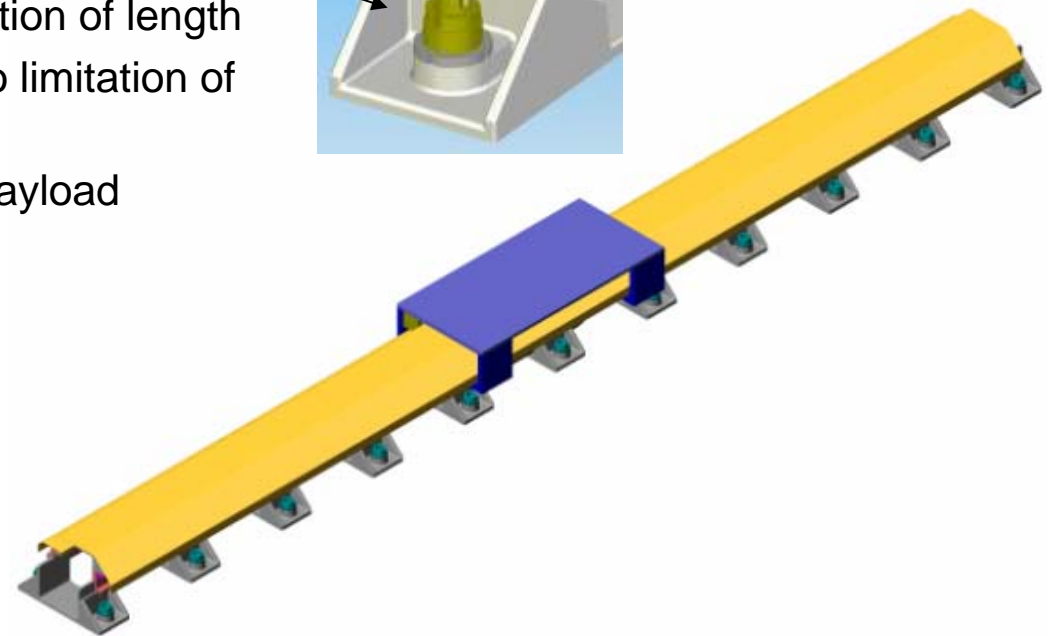
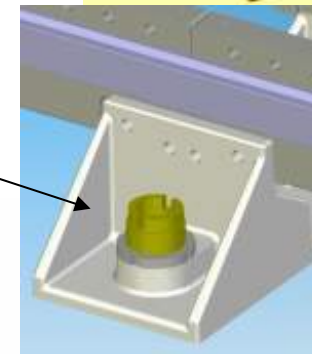
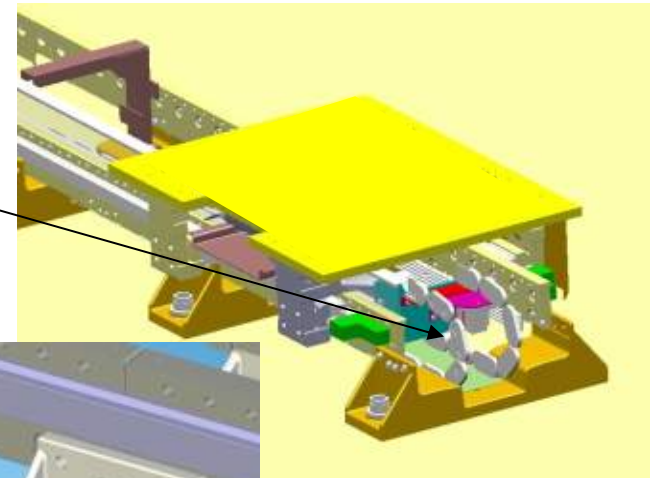
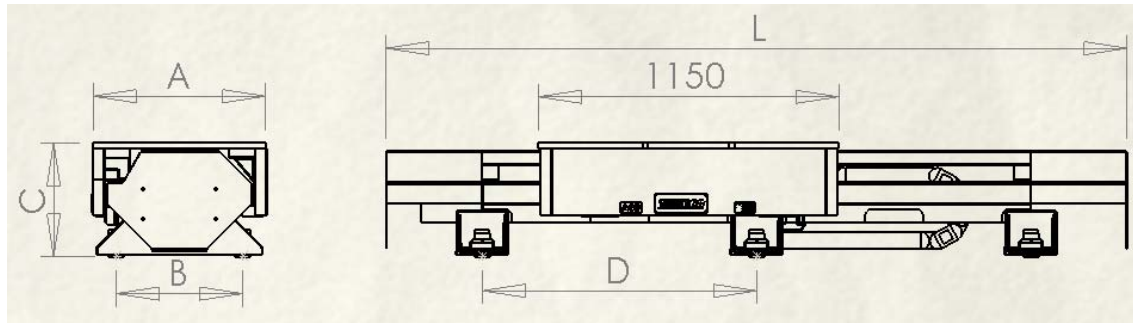


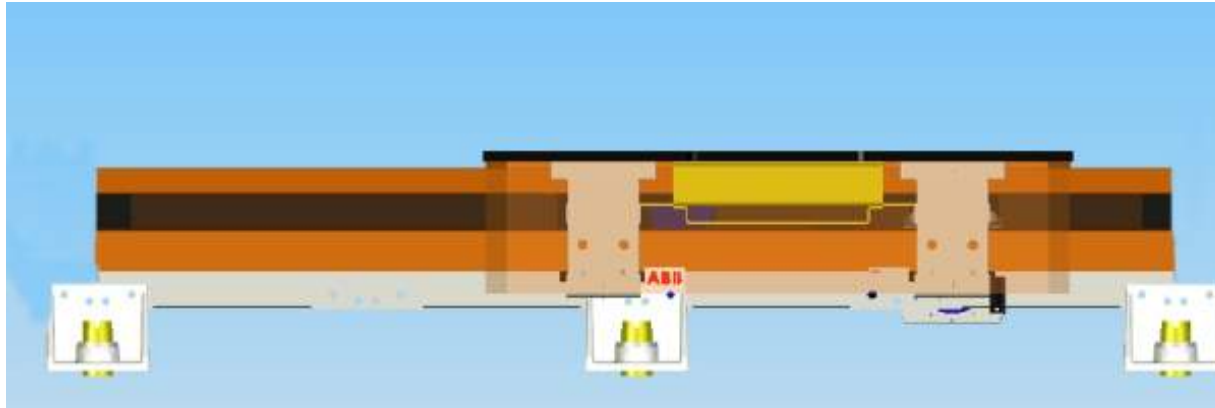
ABB BiW product – FlexTrack IRT 501



Data	IRT 501-66	IRT 501-66R	IRT 501-90	IRT501-90R
Repeatability	+/- 0.1 mm	+/- 0.1 mm	+/- 0.1 mm	+/- 0.1 mm
Acceleration *	2.1 m/s ²	1.5 m/s ²	1.5 m/s ²	1.0 m/s ²
Travel Speed *	2 m/s	1.5 m/s	1.5 m/s	1.2 m/s ²
A	660	660	900	900
B	484	484	724	724
C	435	435	495	495
D	1050	525	1050	525
L	1770 + S x 1050			
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	IRB7600
* With maximum payload				
** S: Stroke				



ABB BiW product – FlexTrack IRT 501



Base package

- IRT 501 FlexTrack
minimum length 2.3 m
- One carriage
- Upper and lateral covers
- End off covers

Options

- Automatic lubrication system
- Additional carriages
- Additional axis: lifter & turntable on top
- Electric working range limit switch
- Zone division for track motion
- SMB box

Available since October 2006





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