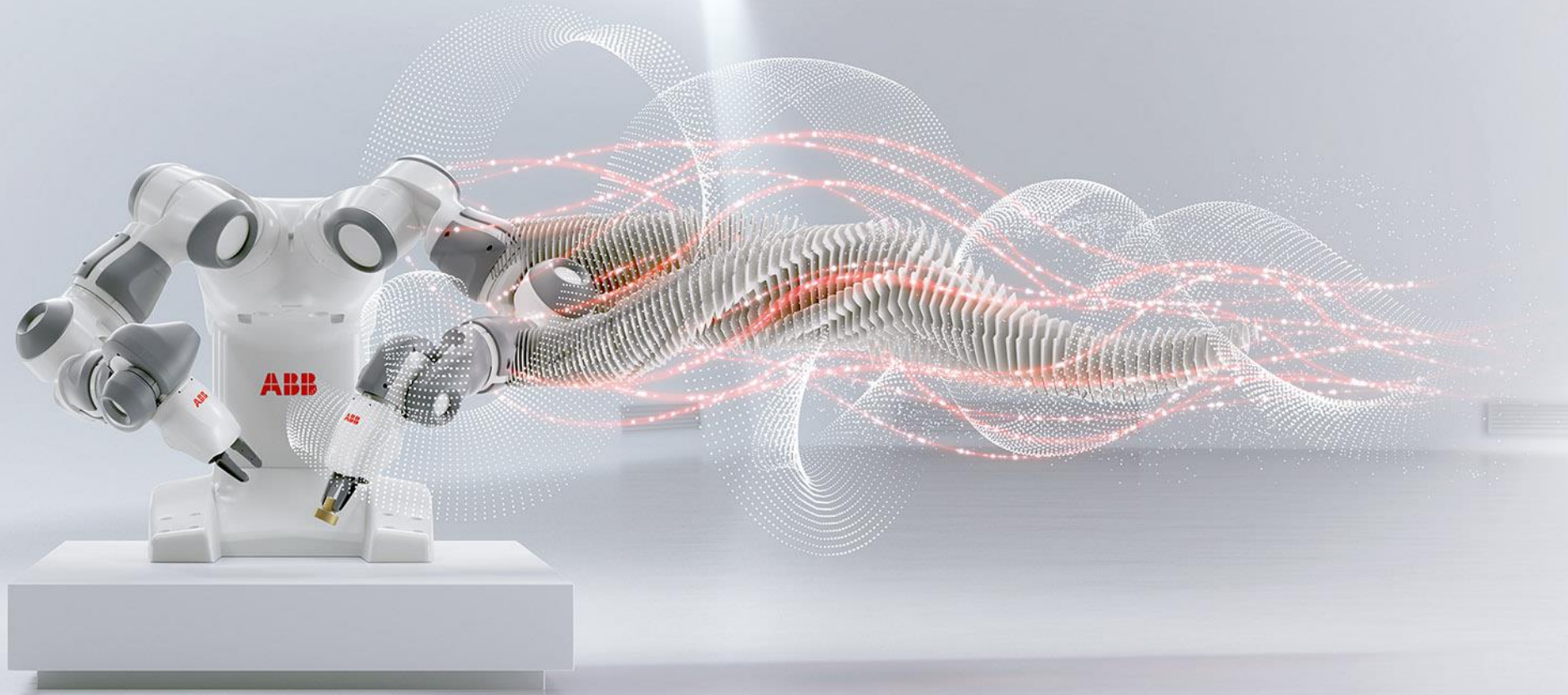




JAN- 2018

IRB5500-22/23 floor mounted

New variant with adaptor to replace IRB5400

Carrie Zou, Global Paint Product Manager



Content

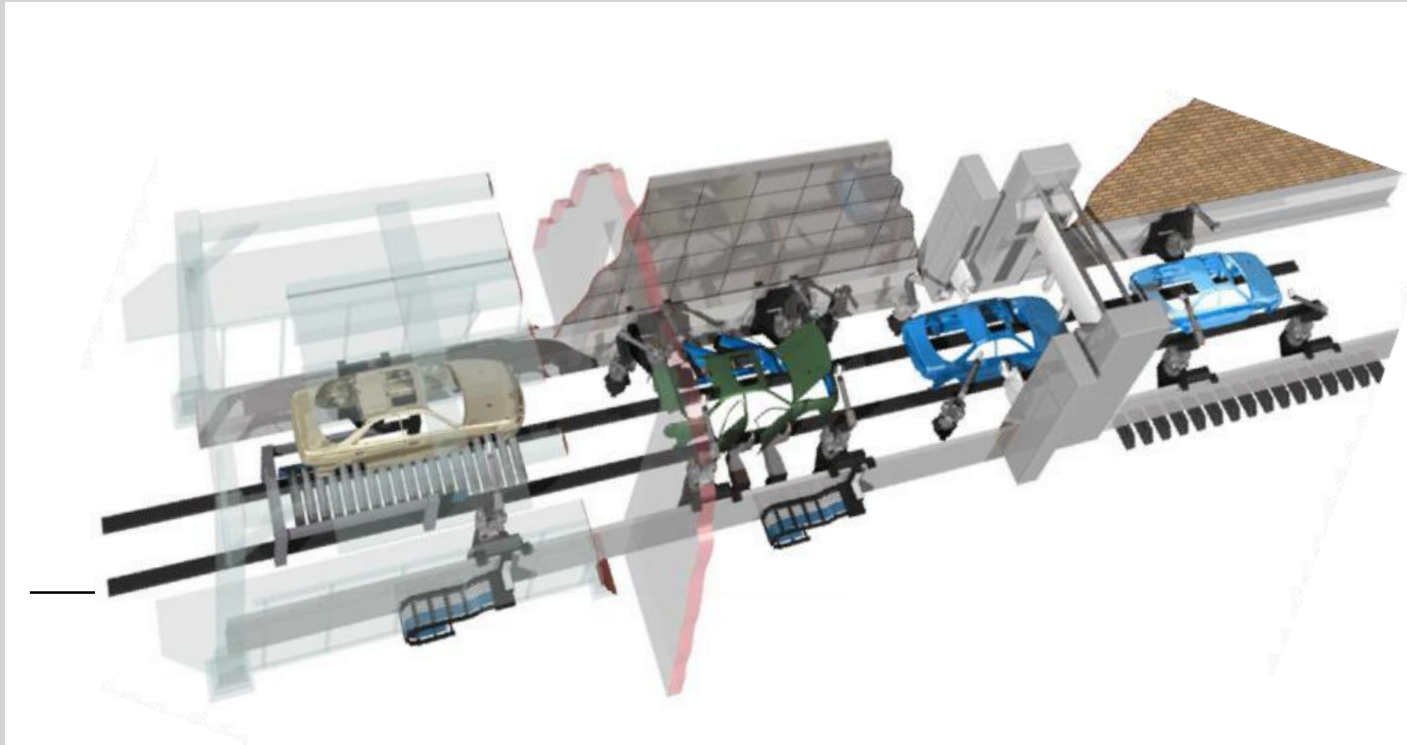
- Differentiated value proposition
- Target & markets
- New adaptor for the IRB 5500 to replace IRB5400
- Specification
- Working envelope
- Data sheet
- Comparison with IRB5400

Differentiated value proposition



- IRB5500-22/23 floor mounted replaces IRB5400 all serial, consolidate the large painter at IRB5500 platform.
- Unify equipment management and spare part storage for customer.
- More competitive price than IRB5400

Targets & markets



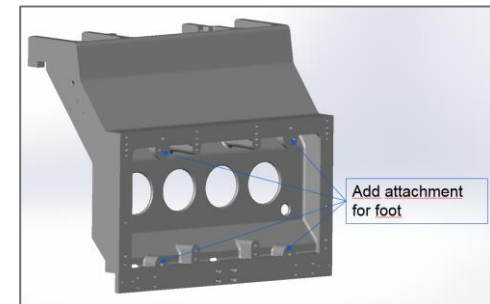
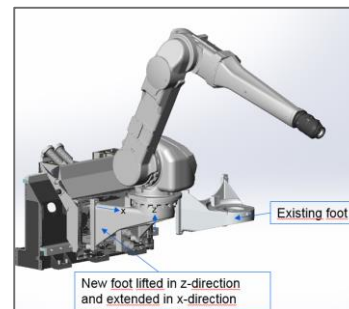
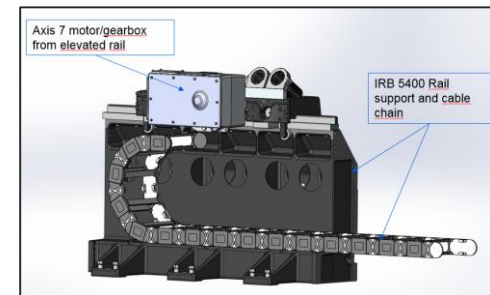
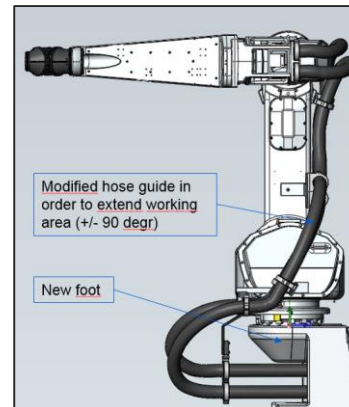
- Automotive painting
- Stop&go and line tracking
- Greenfield and brownfield
- 1K, 2K, internal, external charge application
- Same function as IRB5400 with added IRB5500 better features

New adaptor for the IRB 5500 to replace IRB5400

Floor mounted 6 axis & 7 axis

Deliverables:

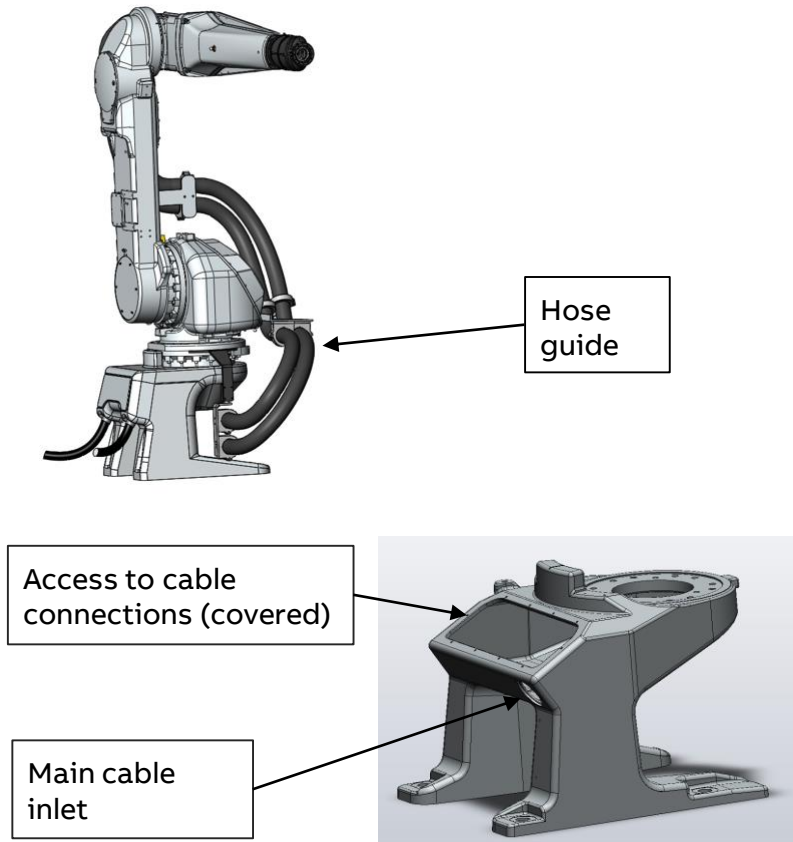
- New raiser foot similar to IRB 5400, same dimension to replace the IRB5400 on the same foundation;
- Increased working area on axis 1 for IRB 5500;
- Designed to fit on the existing IRB5400 rail particularly for brownfield;
- Standard configuration and GAP available;



New riser foot

Specifications

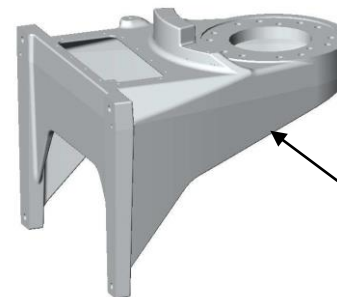
- Distance between mounting holes: 500 mm (same as for IRB 5400 riser foot)
- Leveling screws included
- Prepared for home position switch
- Prepared for end stop on axis 1
- Main cable inlet on rear side.
- Connection of existing main cable for IRB 5500
- Single or dual hose guide as option
- 80 mm flexible hose
- Working area +/- 105 degr. on axis 1



Foot for assembly on IRB 5400 rail

Specifications

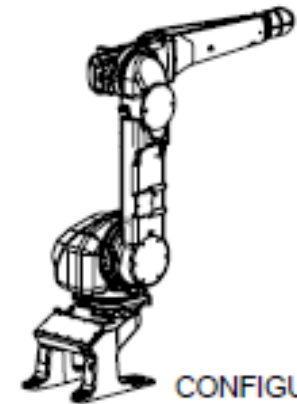
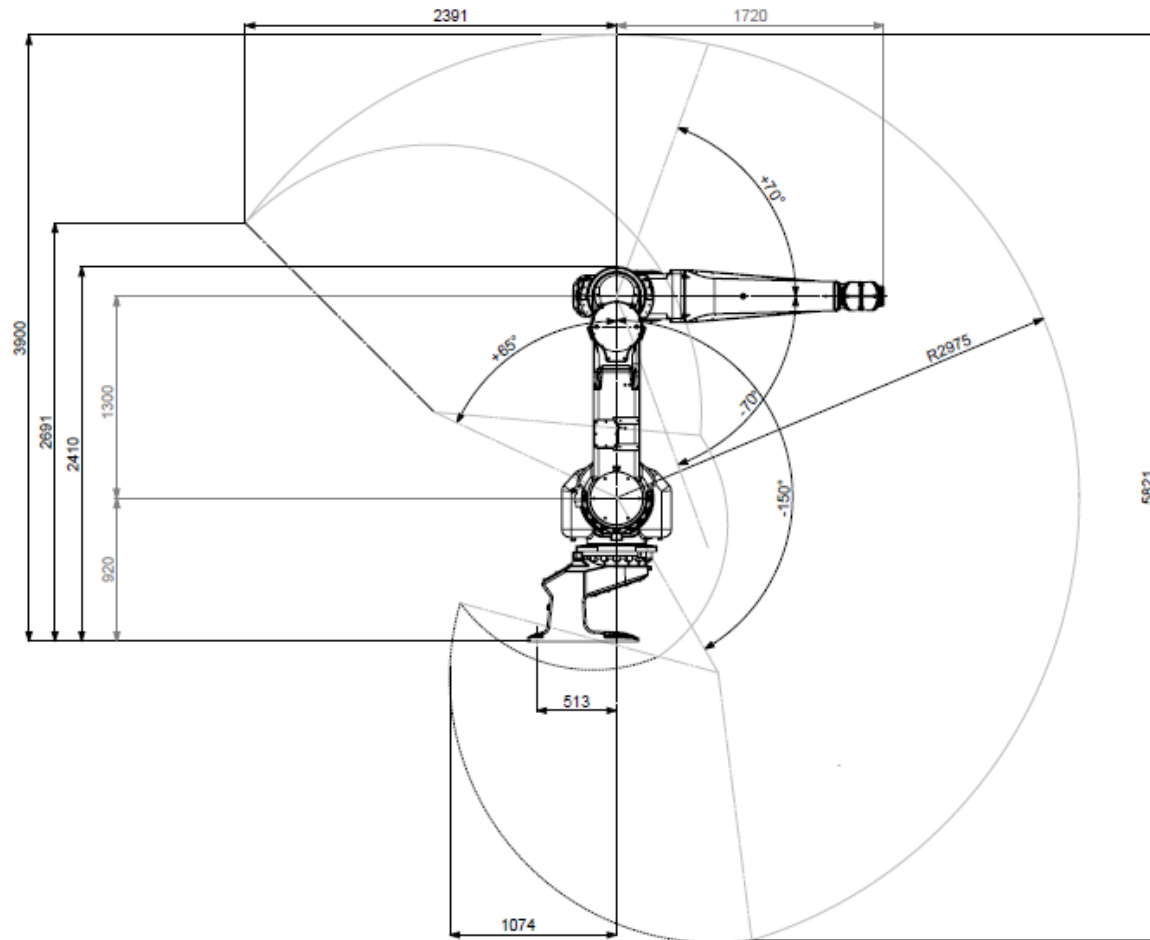
- Foot for assembly of IRB 5500 on IRB 5400 Trolley and Trolley for Elevated Rail
- Supports working area of +/- 105 degr on axis 1
- Prepared for end stop on axis 1
- Prepared for cable inlet on lower/rear side
- Using same main cable as for Elevated Rail.



New foot:
3HNA027799-001

Working envelope

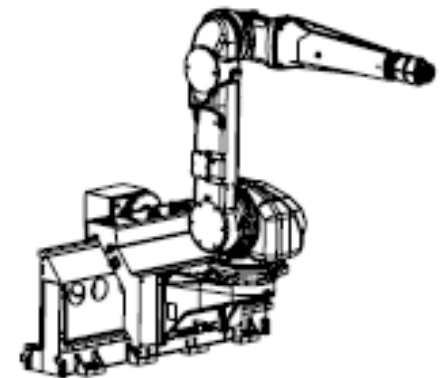
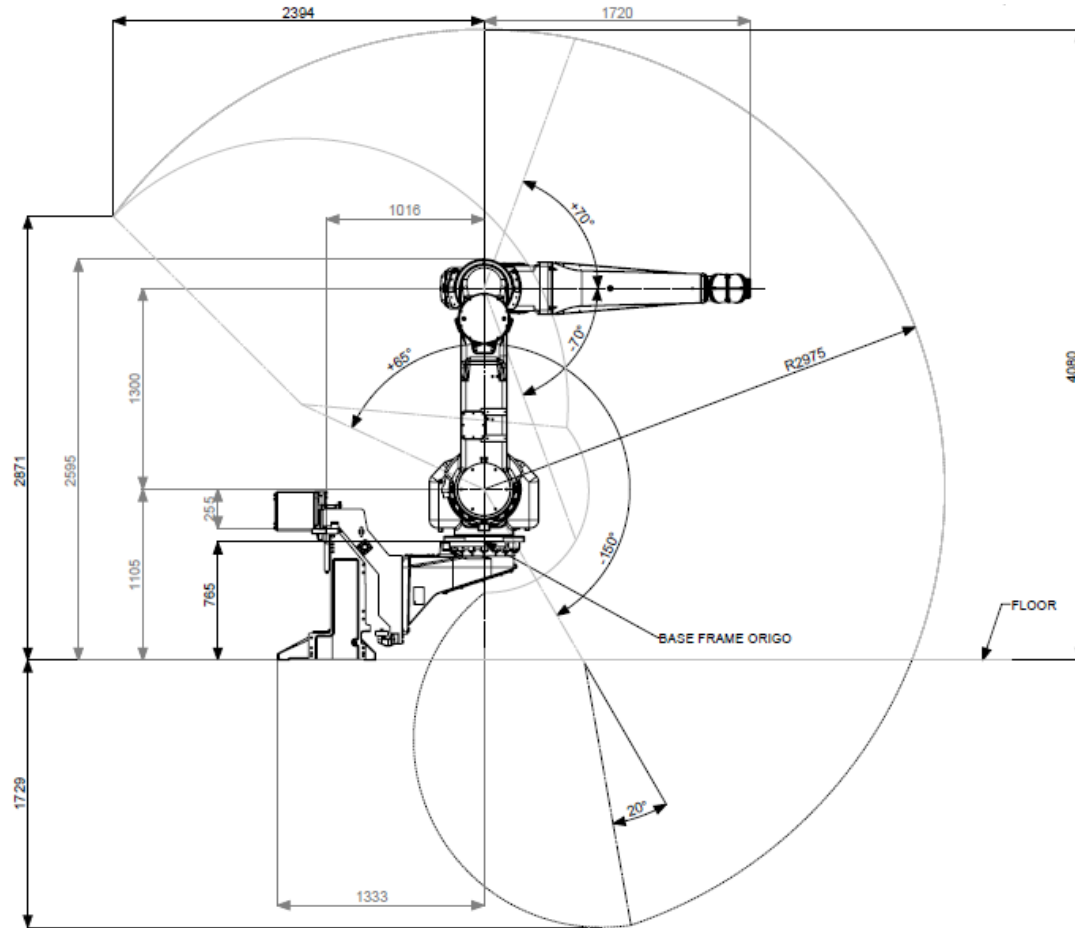
6 axis



CONFIGURATION A

Working envelope

7 axis



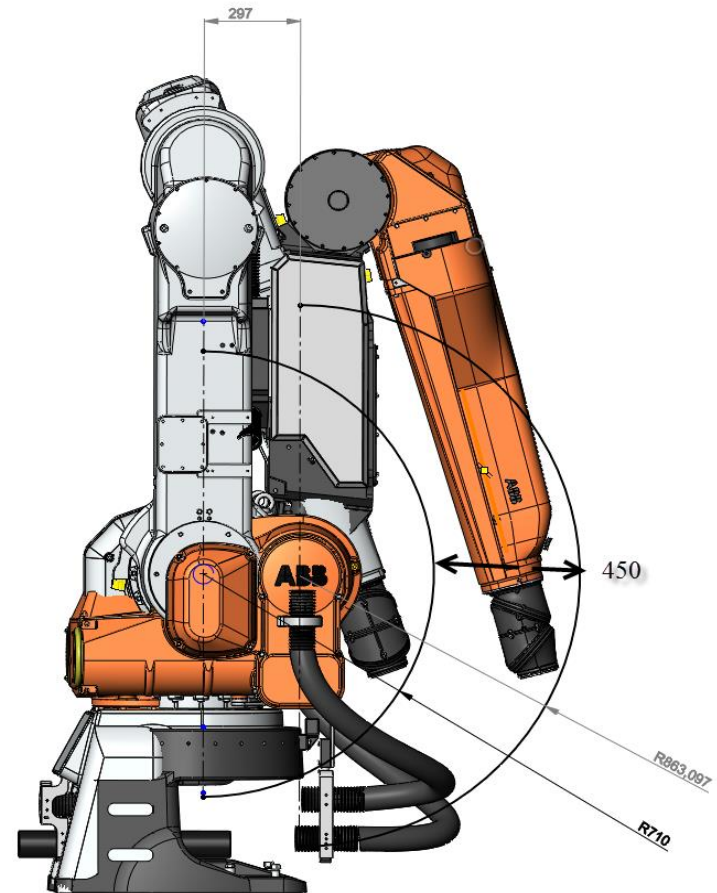
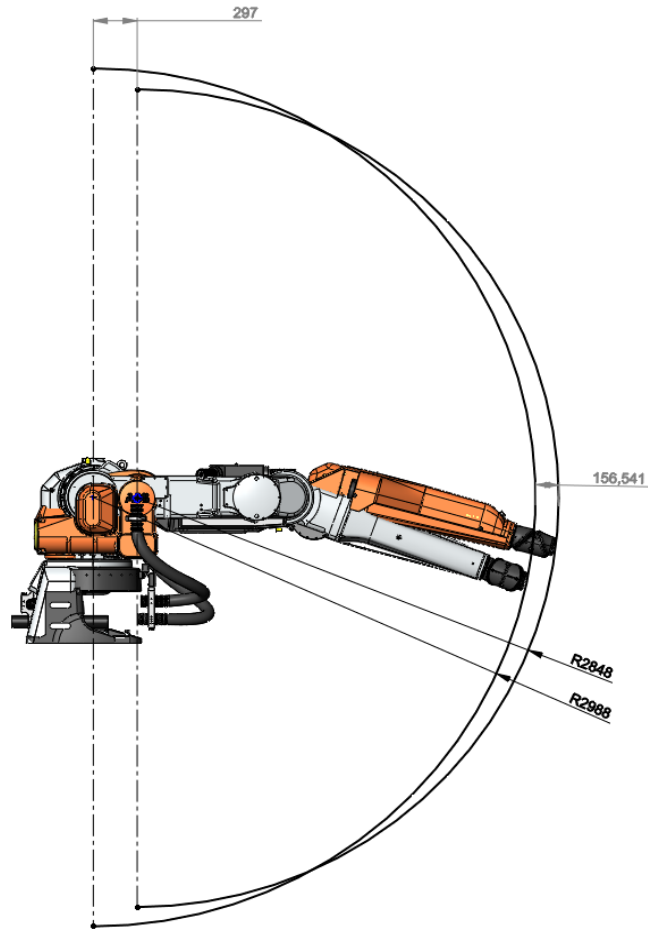
CONFIGURATION A

Data sheet

Specification	IRB 5500-22 Floor mounted	IRB 5500-23 Clean wall rail
Robot footprint	581 x 718 mm	500 x 680 mm
Weight robot unit	610 kg	600 kg
Weight trolley	N/A	330 kg
Rail system	N/A	Rail is available in steps of 0.5 m from 2-15 m for 1 robot on rail and 4-8 m for 2 robots on rail as standard. Longer rail can be delivered on request.
Cable chain	N/A	250 mm or 400 mm
Accuracy	0.15mm	Robot: 0.15mm (on TCPO) Trolley: 0,3 mm Velocity rail axis: 1,4 m/sec

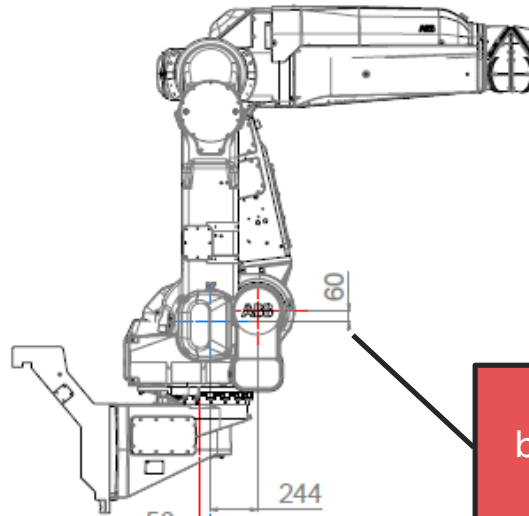
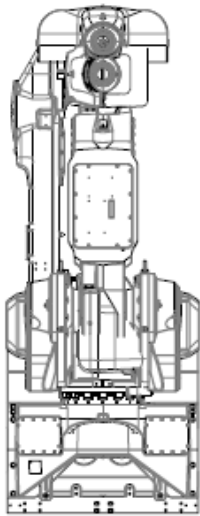
Comparison with IRB5400

6 axis



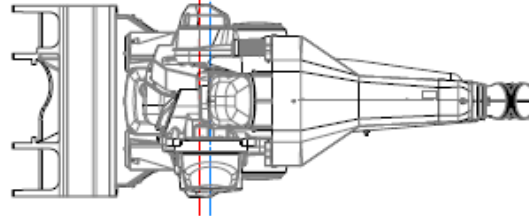
Comparison with IRB5400

IRB5500 on IRB5400 rail with new foot and adaptor VS IRB5400



There is 60mm offset back of IRB5500 center of axis 1

There is 56mm offset back of IRB5500 center point



IRB5500 is designed to fit on the existing IRB5400 rail particularly benefit for brownfield

ABB