



Per Lowgren, Product Manager, Medium robots

IRB 2600ID-8/2.00

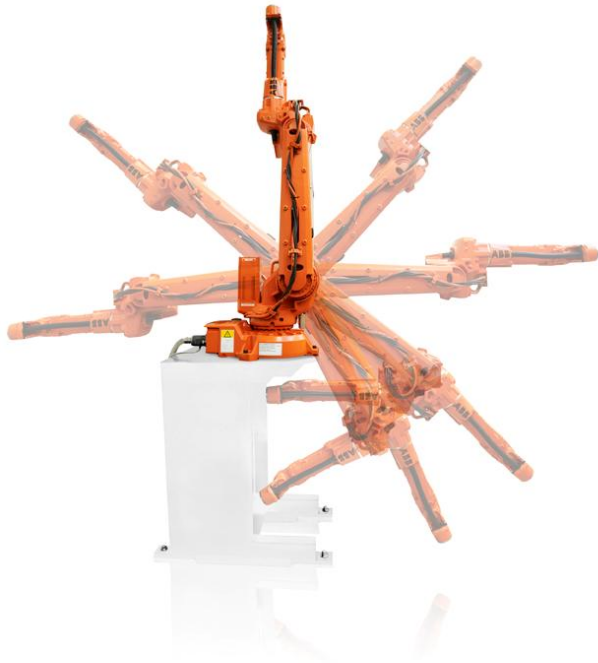
Simple integration, high performance

Overview of main features



- General purpose robot for integrated dressing solutions.
- Agile, compact and high performing.
- Tailored for arc welding, several welding packages available.
- Longer reach and higher payload than IRB 1600ID for larger work pieces and heavy welding.
- Optimized bending radius of hose package for long life expectancy.
- Most reliable AW process arm.
- Unmatched path and speed accuracy.
- Longest reach in class.

General purpose robot to suit many applications



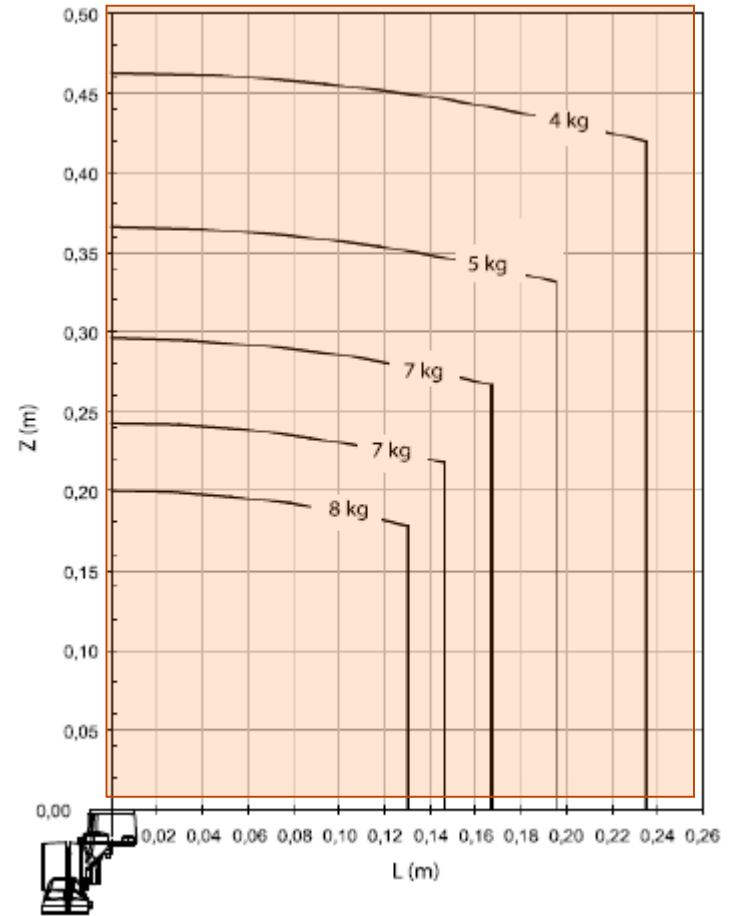
- Arc welding
- Machine tending
- Material handling
- Laser welding
- Dispensing

Key data

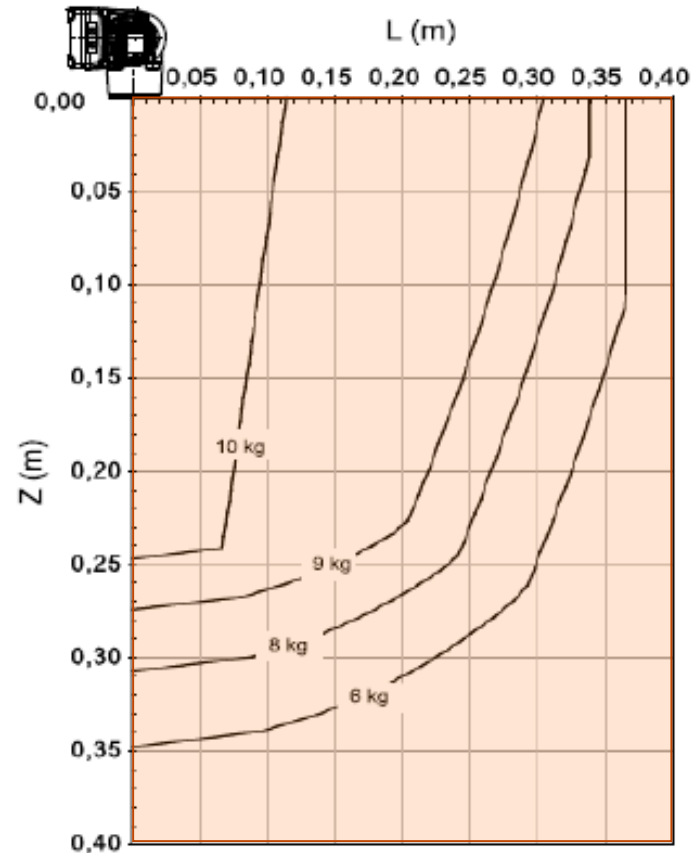
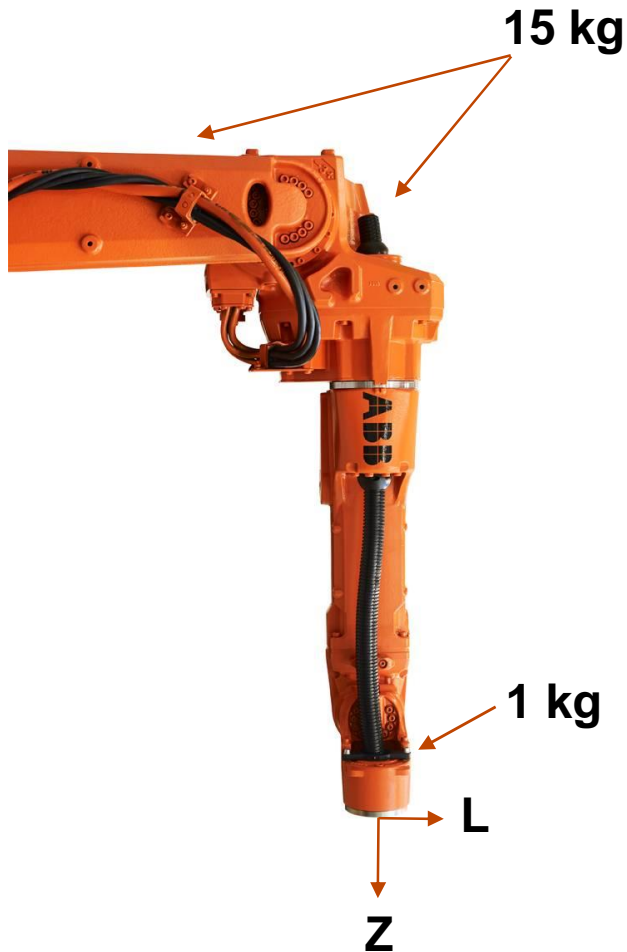


- Payload: 8 kg
- Reach: 2000 mm (to center of axis 5)
- Height: 1600 mm
- Foot print: 676 mm x 511 mm
- Weight: 276 kg

Load diagram with additional armloads (1 + 15 kg) Up to 8 kg

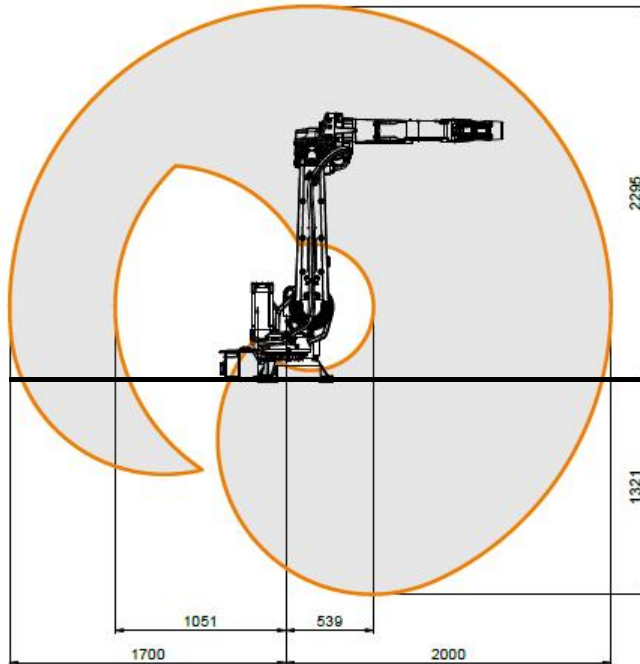


Load diagram with additional armloads (1 + 15 kg) Up to 10 kg with wrist vertical*



Load diagram permits +/- 10 degrees on axis 5.
Check RobotLoad for your specific load case.

Working range at center of 5th axis



- Reach forward: 2000 mm
- Reach below the base: 1321 mm
- Reach above the base: 2295 mm
- Horizontal stroke: 3700 mm

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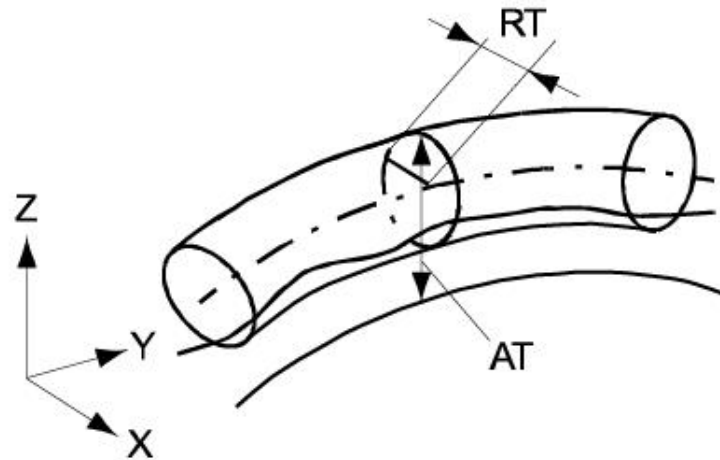
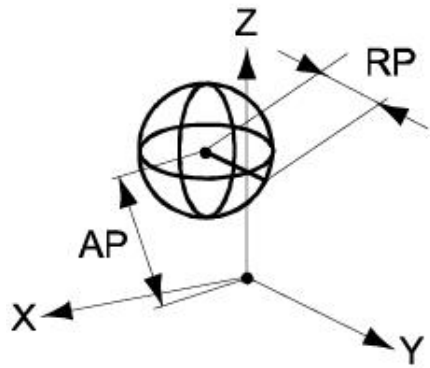
Working range and max speed per axis



- **Axis 1**
- **Axis 2**
- **Axis 3**
- **Axis 4**
- **Axis 5**
- **Axis 6**

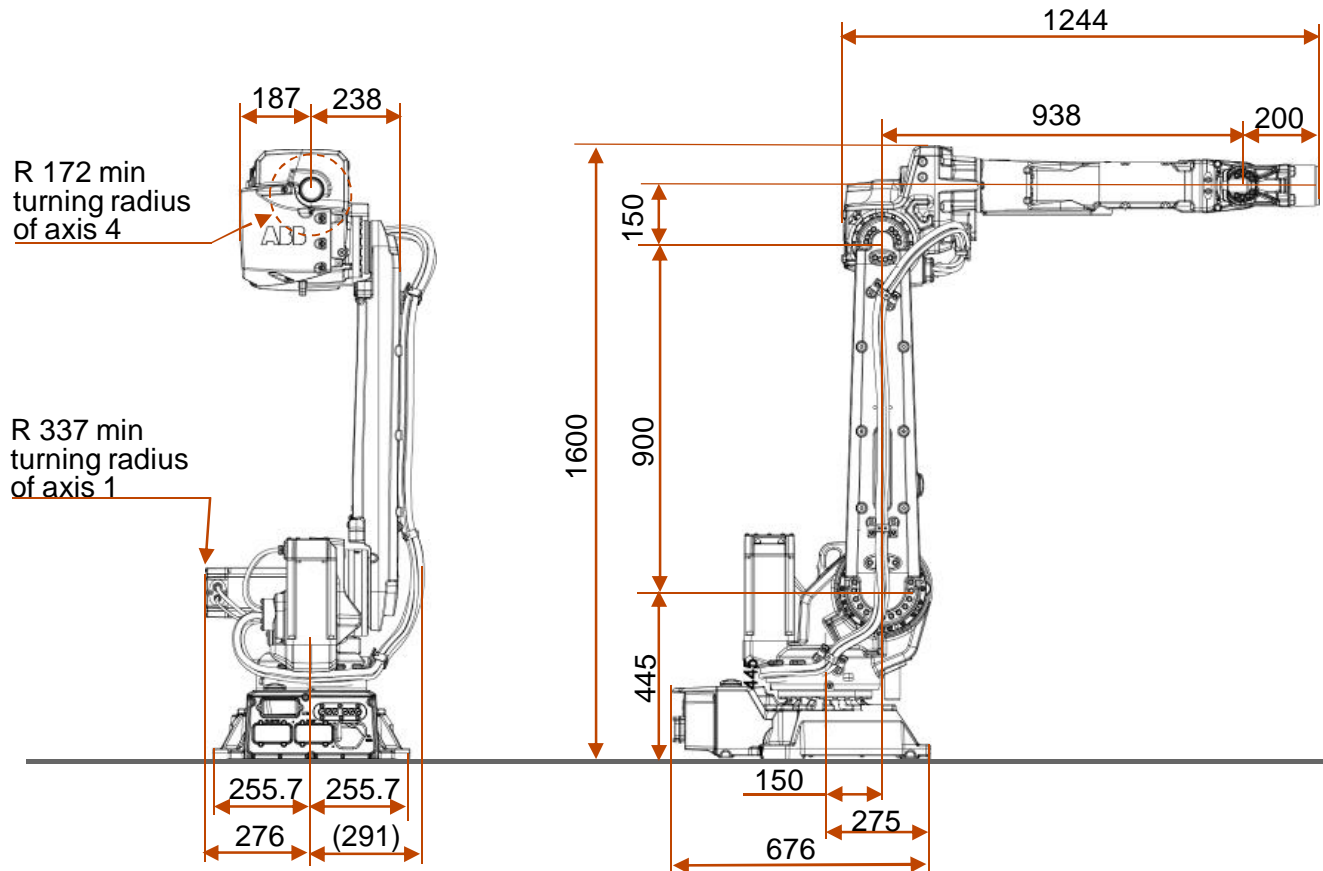
Range	Max speed
+180° to -180 °	175 °/s
+155° to -95 °	175 °/s
+75° to -180 °	175 °/s
+175° to -175 °	360 °/s
+120° to -120 °	360 °/s
+400° to -400 ° <i>± 191 rev. max</i>	500 °/s

Performance & accuracy



- Pose repeatability, RP: **0.02 mm**
- Pose accuracy, AP: **0.03 mm**
- Linear path repeatability, RT: **0.27 mm**
- Linear path accuracy, AT: **0.70 mm**
- Pose stabilization time, PSt:
(to within 0.2 mm of the position) **0.06 s**

Main Dimensions



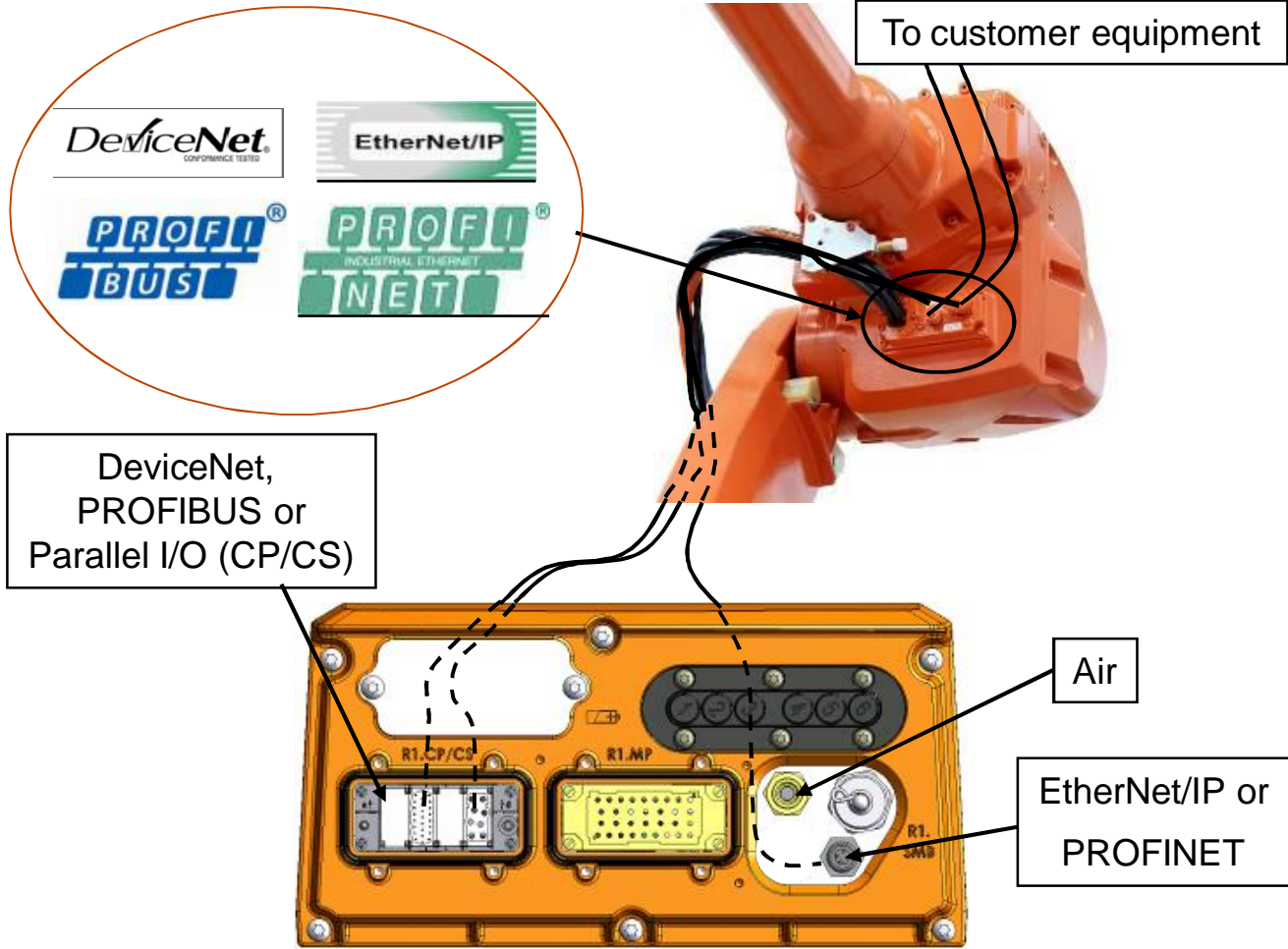
Flexible mounting

Floor, wall, ceiling & tilted (round the Y-axis)



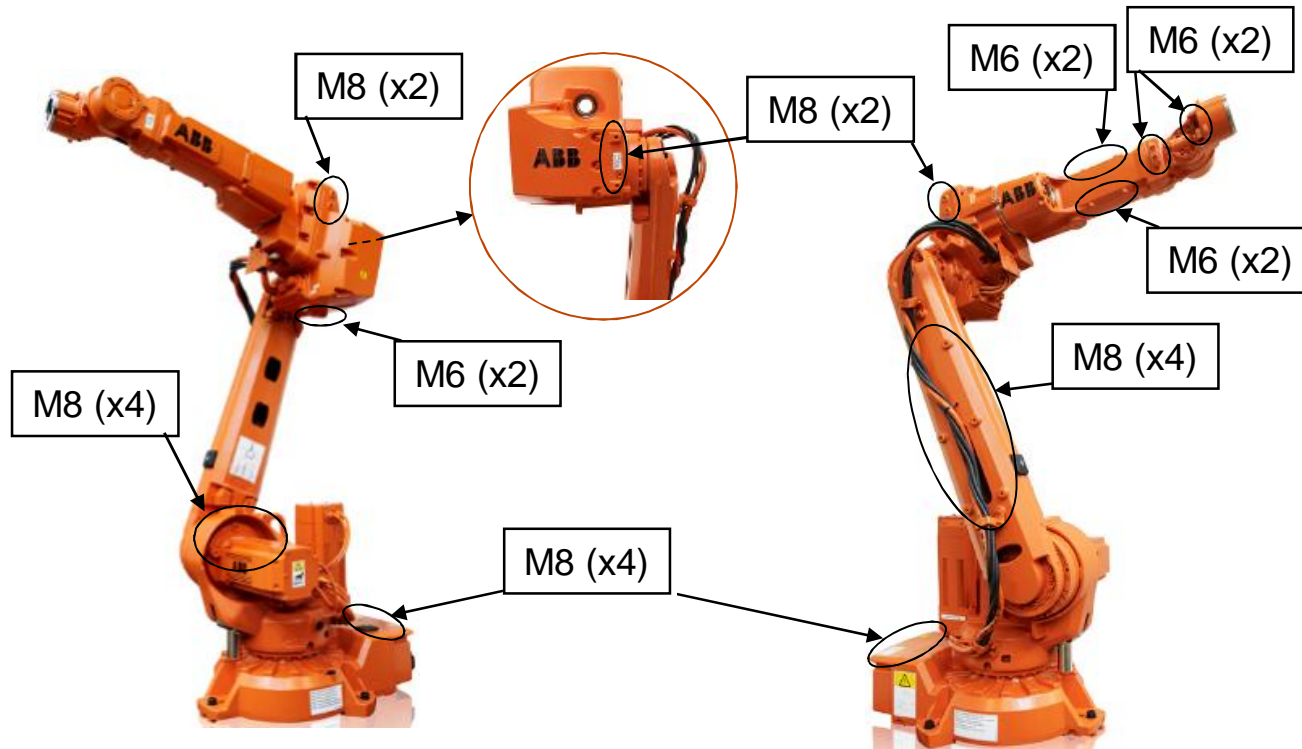
- Wall mounting, max working range for axis 1 is ± 40 degrees with max payload and armload. More with reduced loads.
- Max tilting angle for full axis 1 working range is 40 degrees with max payload and armload. More with reduced loads.
- Check with RobotLoad for your specific load case.

Easy to integrate Customer interfaces



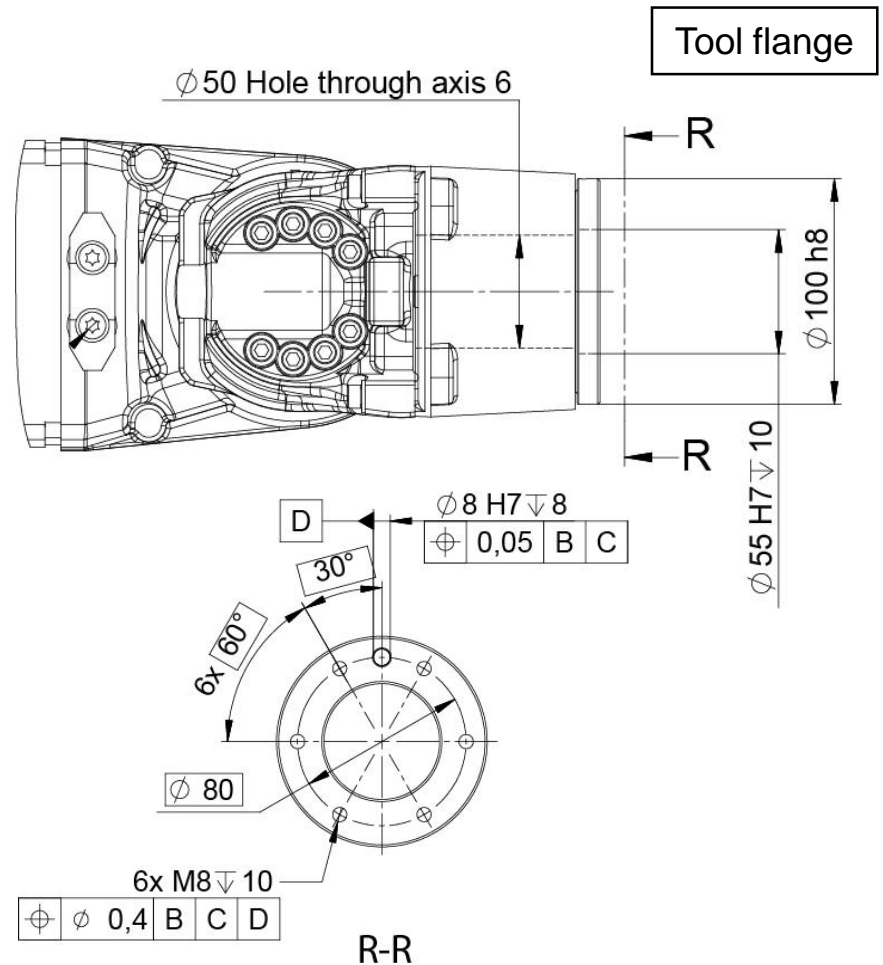
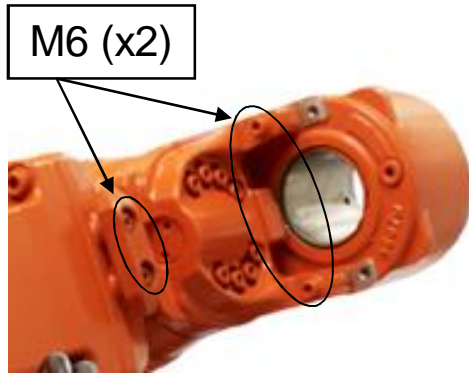
Easy to integrate

Mechanical mounting interfaces



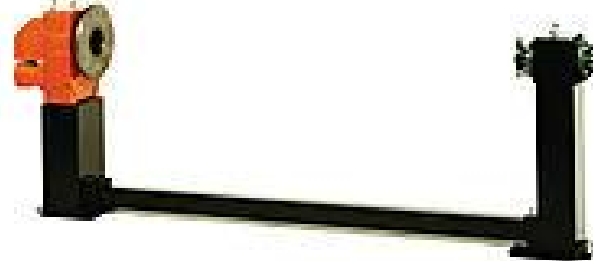
Easy to integrate

Mechanical mounting interfaces



Peripheral equipment

Arc welding



IRBP positioner range

Power source

Esab Aristomig 5000
 Fronius TransSteel 5000*
 Fronius TransSteel 5000*
 Fronius TransSteel 5000*
 Fronius TransSteel 5000*
 SKS LSQ5*

Wire feeder

Aristo RoboFeed 3004 W
 VR 5000 (new compact)*
 VR 1500*
 VR 5000 (new compact)*
 VR 1500*
 PF5*

Hose package

Binzel iSTM
 Binzel iSTM*
 Binzel iSTM*
 Fronius Robacta*
 Fronius Robacta*
 Power Joint*

Torch

Binzel Abirob
 Binzel Abirob*
 Binzel Abirob*
 Fronius Robacta 5000*
 Fronius Robacta 5000*
 Power Joint PJ5*

Tool service center

Motor units MU 10-30

*) Available from the suppliers directly



Summary

- Up to **90% shorter programming time** thanks to a combination of controlled hose package movements and RobotStudio offline programming with few or no touch-ups.
- **One year warranty** on hose package reduces costs for maintenance and production stops with up to 75%.
- Up to **15% shorter cycle times** vs. the competition thanks to QuickMove and high accelerations.
- Up to **50% higher output** with high-density production cells.
- Accurate motion for **outstanding and stable welding results.**
- Hollow wrist inside diameter is 50 mm and is fully utilizable to house dispensing and laser equipment etc.
- Suitable for tending of lighter parts from large machines like injection moulding machines.

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