IRB5500-27
Integrated rotational axis 7
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Introduction

Featuring integrated 7-axes that enables a wider working range and best accessibility to all interior and exterior surface for automotive with minimum footprint.
Target & markets

- Automotive, large work piece painting
- Stop&go and line tracking
- Greenfield and brownfield
- 1K, 2K, internal, external charge application
- Same function as IRB5500 with added/better features
- Opener for hood/trunk lid
- Enhanced backup solution
IRB5500-27

**Specification**

- Mounting: Wall, floor, inverted
- Working axis 7: ±135°
- Max angular velocity axis 7: 70°/s
- Cable routing through hollow 7th axis to outside booth, hose guiding goes below the foot.
- Integrated dynamic model
- Support SafeMove 2 as option
- Customizable hardware limit for axis 7
- Share the same calibration tool with IRB5500
- Multiple calibration positions
- Modular design
- Higher availability
Working envelope

Working area ±135° with three different configurations

- Floor
- Inverted
- Wall
Working envelope

Configuration A
Working envelope
Configuration B
Working offset

Working area axis 1: +/- 115°
IRB5500-27
Calibration

Calibration tool:
same as current for IRB 5500
IRB5500-27

Multiple calibration positions (3), 90 ° between each

Calibration pos. 2    Calibration pos. 1    Calibration pos. 3
Axis limit

Adjustable end stops (option)

End stop can be adjusted by adding more blocks
Available configurations/mounting positions
Dimensions