

ABB IRB 4400



Rapid maneuverability makes the IRB 4400 perfectly matched for applications where speed and flexibility are important. The compact design and protected versions enables use in situation where conventional robots cannot work, such as foundry and spraying applications.

The ABB IRB 4400 S4C robotic system is compact and capable of medium to heavy handling. Being exceedingly fast with multiple capabilities the IRB 4400 has a load capacity up to 60kg, can typically handle two parts at a time and long intervals of time between routine maintenance. The IRB 4400 robot uses Mobilgearlube X320 on axes 1-3 and Optimol BM 100 on axes 4-6. It also uses MolyWhite grease on the balancing unit. By knowing the types of oils robots use, manufacturers can stretch operational lives even further.

**For more information about the ABB IRB 4400,
contact a Robotworx representative today at 740-251-4312.**

Robot Information

Robot Specifications

Axes:..... 6
 Payload:..... 45 kg
 H-Reach:..... 1960 mm
 Repeatability: ±0.07 mm
 Robot Mass: 980 kg
 Structure: Articulated
 Mounting: Floor

Robot Motion Speed

Axis 1.....150 °/s (2.62 rad/s)
 Axis 2.....150 °/s (2.62 rad/s)
 Axis 3.....150 °/s (2.62 rad/s)
 Axis 4.....360 °/s (6.28 rad/s)
 Axis 5.....360 °/s (6.28 rad/s)
 Axis 6.....450 °/s (7.85 rad/s)

Robot Motion Range

Axis 1.....±330°
 Axis 2.....±165°
 Axis 3.....±125°
 Axis 4.....±400°
 Axis 5.....±240°
 Axis 6.....±800°

Robot Controllers

- S4C >
- S4C+ >
- IRC5 >

Robot Applications

- | | |
|---------------------|----------------------|
| Bonding / Sealing > | Drilling > |
| Cutting > | Fiberglass Cutting > |
| Deburring > | Flux Cored Welding > |
| Dispensing > | Foundry > |