

IRB 6660 Industrial Robot



The optimised press-tending robot

The most critical robot axes have been reinforced according to typical press-cycle time requirements. When combined with the parallel arm design it makes the robot stiffer, easier to control and faster.

The robot's gears have been reinforced to extend their life time and improve how they function at faster speeds. It also includes power and resolver cabling up to the upper arm flange, which makes integration of an external axis easier.

The pre-machining robot

High productivity in machining applications requires a stiff and robust robot. The IRB 6660 has a parallel arm structure, and in general, a very compact and sturdy mechanical design. Its special dual bearing design and powerful gears and motors provide additional support for handling fluctuating process forces common within applications such as milling, deburring and grinding.

The IRB 6660 is an extremely reliable robot designed for high performance applications. The stiff design supports accuracy and short cycle times, which in the end increases productivity. It comes in three versions, two with long reach aimed at high-performance press-tending operations and the third designed for challenging applications like machining of castings.

The robot is available with ABB's Foundry Plus 2 protection and also has dedicated cable protection to further strengthen the reliability and uptime.

RobotWare Machining Force Control

This software product provides improved process results and quality – secure controlled contact force in grinding application gives improved and consistent product quality.

Main Applications

- Press-tending
- Machine-tending
- Machining
- Milling
- Cutting
- Grinding
- Sawing

Abb Robot Programming Manual Irb 664

Daniela Niemeyer



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