

Forging robots

for automation of your forging process

ABB forging robots

Success in the automation of forging processes is clearly linked with the ABB robot IRB 6400. In more than 10,000 installations this robot type has proven its availability and reliability as a fully developed standard product. By using this robot ABB offers you the highest level of productivity, quality and flexibility.

Gripping tools for forging applications

ABB has over 10 years experience in the field of forging automation. In order to cope with extreme conditions such as high temperatures (up to 1,300 °C) and pollution, particularly adapted and heat isolated gripping tools made of special materials are part of the robot's standard equipment.

Customer specific solutions

Each ABB robot automation focusses on our customers' demands. We offer system solutions meeting your requirements: different types of gripping tools and workpiece recognition systems using high capacity measuring sensors as well as complete turn-key installations belong to our scope of supply.

Engineering

By means of the most recent 3D realtime simulation software, the best solution is always generated by ABB and the customer together. This method offers a nearly 100 % planning safety and reduces the commissioning time to a minimum.



Application example: handling of crank shafts

Technical Data

ROBOTS	IRB 4400/6600/7600
CLASS OF PROTECTION	IP67, resistant painting
HANDLING CAPACITY	50-650 kg
WORKING RANGE	1,500-3,500 mm
CONTROLLER	ABB S4Cplus
ROBOT AND CONTROLLER	usable up to 52 °C ambient temperature
GRIPPING TOOL	special version heat isolated to mechanic to robot