

ABB Robotics Offers Small Size, High Power Painter

A leading robot supplier announces a new small paint robot, the IRB 52, which is compact and capable of inverted, tilted or wall mounting

LAS VEGAS (Oct. 6-8, 2008) – It isn't always easy to automate paint applications in tight spaces. But ABB offers a solution, the IRB 52, which is compact and capable of floor, inverted, tilted or wall mounting. Despite its size, it has a large working envelope and great agility. And, thanks to its robust design, the IRB 52 is resistant to the harsh production environments found in a typical spray booth.

The IRB 52 is suitable for a variety of paint applications, including 1k, 2k, and water borne paints. The 7 kg payload meets most requirements for single-, dual- or triple-gun solutions. It can work in different operation modes – automatic line with conveyer tracking, manual operating with a shuttle table or turntable.

The mounting options, combined with the slim forearm and small offset, mean that the robot is exceptional when it comes to operating in narrow spaces. The backward bending feature allows only one robot to be used for two spray booths with face-to-face installation. The low weight proves for easier installation, especially for wall, inverted and tilted installation; the support structure is much simpler and has less impact on the spray booth structure design. The IRB 52 is a versatile robot with 1.45 m reach, ready to meet the highest demands on flexible integration and production.

ABB is one of the leading suppliers of paint solutions worldwide. With a long history and a clear vision of the future, ABB aims to be a life-long partner to its customers. At the heart of the solutions are ABB's unique Integrated Process System (IPS), providing the modern manufacturing industry with high finish quality, optimum use of paint material, low cycle times, accurate and fast process control, easy collection of production statistics and ease of use.

At half the weight and a fraction of the cost of ABB's next smallest robot, the IRB 52 brings the high-end functionality of Class A automotive finishing to all industries.

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About ABB, Inc.

ABB (www.abb.com) is a leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 115,000 people.

About ABB Robotics

ABB is a leading supplier of industrial robots – also providing robot software, peripheral equipment, modular manufacturing cells and service for tasks such as welding, handling, assembly, painting and finishing, picking, packing, palletizing and machine tending. Key markets include automotive, plastics, metal fabrication, foundry, electronics, pharmaceutical and food and beverage industries. A strong solutions focus helps manufacturers improve productivity, product quality and worker safety. ABB has installed more than 150,000 robots worldwide.

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