

## ABB's new ID robot delivers higher output from a smaller footprint

**The IRB 2600ID industrial robot brings Integrated Dressing (ID) technology to a larger working envelope and can reduce arc welding cycle times by up to 15%**

13 January 2011

ABB has launched an additional model in its IRB 2600 mid range robot family. The IRB 2600ID is the first ID robot to be offered in the range and has a reach of 2 meters, a payload capacity of 8 kg. The IRB 2600ID robot features a unique combination of high payload capacity, a large working range and Integrated Dressing (ID), which routes the arc welding hose package inside the robot's upper arm and wrist.

"The current trend in industrial robotic design is for process equipment to be fully integrated with the robot," says Per Lowgren, product manager at ABB. "A robot with integrated dressing increases output and lowers operational costs" he explains. "Because the movement of the hoses and cables is totally predictable you can operate at full speed. It also simplifies and improves off-line programming, as swinging cables are not taken into account when simulating robot systems. This minimizes the time required for fine-tuning programs and enables a faster start of production. The total programming time is reduced by up to 90%."

The robot also opens up new possibilities in production. With a slimmer arm and wrist, the robot can enter very narrow spaces. Lowgren points out, "It can easily take on challenges such as circular welds without compromising on quality or speed."

With its compact design and without loose hoses and cables, the IRB 2600ID has a very small footprint with a swing base radius of only 337 mm and a base width of only 511 mm. For arc welding the reduced risk of interference with other robots allows for productive, high-density installations with 50% more robots, and up to 50% higher output from a production cell. Lowgren explains "That's how the IRB 2600ID helps you make the most out of your production space; higher output from a smaller footprint.

With all hoses and cables firmly secured and protected, they swing less during operation, and with less exposure to weld spatter and wear the lifetime increases significantly. Costs are reduced in terms of purchasing and exchange by up to 75% and up to three production stops per year can be eliminated. Complete weld packages, tailored for the IRB 2600ID, are available from several major arc welding process equipment suppliers.

The new robot is available with ABB's well proven IRC5 Robot Controller and is fully supported by the ABB Robotics global sales and service organization in 53 countries.

**For further information contact Per Lowgren, IRB 2600ID Product Manager**  
[per.lowgren@se.abb.com](mailto:per.lowgren@se.abb.com)

[www.abb.com/robotics](http://www.abb.com/robotics)