

RobotStudio™

Case Study: Officina Visentin



Andrea Visentin, Quality Assurance Manager, is satisfied with the offline programming of their bending robots.

The corporate mission of Officina Visentin is clear and simple: to satisfy the needs and expectations of its customers by being committed to continuous improvement, expansion and update of their equipment.

State-of-the-art equipment

Officina Visentin, an Italian metal sheet producer, combines the finest technical “know-how” with state-of-the-art precision equipment and production efficiencies in every step of the fabrication process. This combination maximizes efficiencies required by today’s manufacturing needs particularly when it comes to pickled plate, bright sheet iron, galvanized sheet iron, stainless steel and aluminum. Visentin has at the moment three welding robots and two press braking robots at the plant

in Preganziol. “We chose ABB because their robot systems are reliable and versatile”, says Andrea Visentin, Quality Assurance manager at Visentin.

Continuous changes

Visentin produces a wide range of metal sheets to a miscellaneous groups of clients. Their metal sheets are delivered to the automotive industry as well as to the posh designed coffee machine producers. This results in continuous changes of robot programs. Visentin soon realized that every new detail required too much programming time. When they were introduced to BendWizard they realized that the software could help them to reduce their programming time considerably. BendWizard is an innovative software product developed for easy and fast offline programming of the entire FlexBender product range.

Officina Visentin

The software product is the result of some year's development and incorporates the ABB robot experience together with know-how in robotics press brake tending applications. BendWizard is based on the RobotStudio platform, the standard offline programming tool for ABB robots.

Reduced programming time

"We are very pleased with BendWizard. It's a flexible tool and it is easy to learn and use. The RobotStudio platform is very versatile, that's one of its strongest benefits", says Andrea Visentin. Using offline programming means that programming time can be greatly reduced, and this has allowed Visentin to create more programs and use their robots more effectively. "Thanks to reduced programming time Bend- Wizard has increased our productivity considerably. In our opinion, programming time has been reduced by 50% compared to when we programmed our robots online in the old days", says Andrea Visentin.

Production without disturbance

With BendWizard the ongoing production in the robot cell can run without disturbance. Fewer risks are taken as the areas of interference in the bending sequence can be detected before the actual implementation of the application to the robots. The problems Visentin had before with the online system have been greatly reduced. "We have obtained several advantages since the introduction of BendWizard. In addition to reduced programming time there has been a mayor quality improvement as BendWizard is an extremely accurate program", explains Andrea Visentin.



Stefano Babolin uses BendWizard for quick updates and smooth changes of robot programs.



There was no other alternative to program the robot than offline.

ArcWeld PowerPac next

"With BendWizard we know that the product items will always be the same, irrespective of the quantity or the time required. I hope that in the near future we are able to extend the usage of RobotStudio for other applications. The arc welding robots is an area that currently still is running with the old online system. RobotStudio ArcWeld PowerPac would be a suitable tool to improve this process", says Andrea Vistetin.

Quick Pay-off

"We are extremely happy with this solution. Integration with software like BendWizard gives us a complete solution. Manual programming was really a weakness for us. BendWizard is a worthwhile software investment that really has paid off, concludes Andrea Visentin.

ABB Robotics

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