

Media release

Stäubli Robotics Announces the New RX170HSM Machining Robot

Faverges (France), June 9th 2008 - Stäubli Robotics (<http://www.staubli.com>) manufacturers of innovative and technologically advanced industrial and cleanroom robots, announces today the introduction of a new machining robot; the RX170 HSM (High Speed Machining). For the past six months, Stäubli Robotics has been involved in a major project initiated by the Cetim (French Mechanical Engineering Technical Centre) in the development of this new robot.

Stäubli has contributed several technological innovations to this project including the RX170HP robot. This robot has a Fischer-Precise high speed spindle integrated directly into its forearm, an adaptation that greatly enhances rigidity. In addition, the harness containing the unit's power supply, cooling system and lubrication is completely inside the arm, with no external ducting. The robot's pressurization also enables it to operate in difficult and wet conditions.

The project involved a team of companies working on the project each bringing specific specializations to the table. The robot's rigid cell designed by Segula reduces vibration by incorporating a machined and welded base filled with sand. The software publisher Delcam is working on generating the arm's trajectory over five axes, while Alma is converting the CAM files into robotic programming language before performing simulations to validate the paths.

"Apart from the robot's remarkable performance, its price and features will make it an extremely attractive proposition from both a capital investment and operational standpoint. Manufacturers will be able to deal with different types of machining operations, such as contouring, die trimming, weld bead machining, prototyping, polishing, drilling and tapping. It is a future-proof solution that will adapt to any changes in production applications, says Jacques Dupenloup, Machine Tool Activity Manager at Stäubli Robotics.

Today, Stäubli offers the widest range of 4 and 6 axis robots from 1kg to 230kg payloads, and from 220mm to 3200mm reach, all controlled from a common CS8 platform.

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Stäubli: Textile Machinery, Connectors and Robotics

Stäubli is a mechatronics solution provider with three dedicated divisions: textile machinery, connectors and robotics. With a workforce of 3000, Stäubli has a presence in 24 countries and agents in 50 countries around the world.

Visit <http://www.staubli.com> for more information on the company and products.