



# INDRiv – future through automation

Italian specialist Rivit Srl, based in Bologna, is known for the production and distribution of fastening systems and tools for sheet metal working.

With its forty-year experience, Rivit has developed a comprehensive range of products including fastening systems (blind rivets, rivet nuts, self-clinching, welding studs, blind bolts, cage nuts, rivet nuts for plastic, latches, steel/stainless steel/plastic screws), related installing tools (tools for blind rivets, rivet nuts and blind bolts, welders), as well as machines for sheet metal working and fasteners for metal roofing and aluminium frames.

Rivit has been working hard across the years to achieve high-quality standards for its products and services, and as a result the company is UNI EN ISO 9001:2008 certified.

A recent development at Rivit is its new automation division, which offers innovative solutions for industry and, with a constant eye on the need to provide time and cost savings, prioritises the supply of high-quality products. An example is the recently introduced INDRiv, an automated riveting unit that has a three

second working cycle. The INDRiv was designed to speed up the installation process and, Rivit says, can help reduce overall installation time by up to 30%.

INDRiv controls all phases of the riveting cycle and can be used to customise the process cycle, as well as check and store the parameters required by customers. The INDRiv unit features the mechanical ejection of the mandrel, ensuring 100% ejection to eliminate any risk of seizure caused by dust. The unit has been designed to be compatible with all types and materials of rivets.

INDRiv is delivered fully operational and is able to communicate with PLC machines or robots via most common communication protocols available on the market.

“A window into the world of Rivit and our fastening systems, as well as the full range of products and services, is available online via our website.”

[www.rivit.it](http://www.rivit.it)

## Defremm – where the process becomes value

Since 1980 Defremm SpA has specialised in cold forming production on Lake Como in the north of Italy. Its main focus is on the manufacture of special parts to customer drawings and it has been ISO TS 16949 certified since 2003. Over the years Defremm has earned a solid reputation for precision quality and customer service.

Defremm manufactures small metal parts for a range of highly specialised applications. These include fasteners for brakes, locks, doors, roof systems and engines in the automotive industry, as well as parts for household appliances and fittings for plumbing, window and doorframes, sports equipment and general mechanical applications. The company also produces standard fasteners including rivet nuts and blind rivets.

Manufacturing is carried out on a wide range of state of the art multi-stage horizontal heading machines from 2 to 6 stations, up to 1,500kN, fitted with production control systems. To meet increasingly complex customer requirements Defremm is continually investing in advanced machinery for threading, punching, turning, assembly and optical control inspection.

Materials used to produce parts from 5mm – 90mm in length include carbon steel, aluminium alloy, copper, brass and

stainless steel wire in diameters from 2mm – 18mm.

Now, thanks to the constant improvement in technology and the efforts of its R&D team, Defremm is increasingly focusing its energies on stainless steel and says it has come up with a product that previously could only be produced by turning technology with a high percentage of scrap, but now can be produced by a cold forming process with zero scrap and economic and environmental benefits.

“Our experienced team carries out technical and feasibility studies to co-design products together with clients. We then design and build the necessary tooling in our own workshop to manufacture initial samples and then start standardised production. We invite customers to visit our website, where they can download our updated catalogue, see our product range, and find out where and when they can meet up with us at trade fairs such as the upcoming Fastener Fair Stuttgart.”

[www.defremm.it](http://www.defremm.it)

