

Olimpia 80 Srl, based in Borgonovo, Italy, has been successfully operating in the planning and implementation of plant and equipment for the production of high quality tubes for over 30 years. Starting as a manufacturer of stainless steel tubes, and manufacturing most of its own production equipment, the company developed into a manufacturer of custom-made equipment for its customers. Olimpia 80 can design, plan and implement single items of plant, or complete lines for TIG, laser and high frequency welding. The company also offers "turnkey" systems, personalised solutions, upgrades to existing systems, as well as a comprehensive after-sales technical and personnel training service.

The product range at Olimpia 80 covers complete TIG lines for austenitic, ferritic and duplex stainless steel tubes; carbon and special alloy tubes; copper, titanium and aluminium tubes, as well as for other ferrous and non-ferrous metals, in the size range 5-609mm od.

Olimpia 80's laser welding lines are suitable for the production of austenitic, ferritic and duplex stainless steel tubes, special alloy tubes, and aluminium tubes. They are also available in the size range 5mm up to 609mm od. The company also offers the option of installing, on the same line, a combination of TIG and laser welding.

High frequency welded tube lines from Olimpia 80 are suitable for the production of tubes in austenitic and ferritic stainless steel, low and high resistance carbon steel, and aluminium. They are available for the size range 12-609mm. The welding station guarantees absolute control of the tube edges allowing high production speeds and optimal welding quality.

In addition to standard lines, Olimpia 80 manufactures a range of special production lines. These include mills for the production of flexible welded tubes with parallel weld corrugation (for tubes from 10mm up to 76mm od, with wall thickness from 0.15 to 0.35mm); lines for the production of round tubes with very thin wall thickness, from 0.12mm, covering the size range up to 120mm od and thickness of 0.5mm; "roll-less" mill for thin wall tube production, for tubes 80-250mm od, and 0.5-1.5mm wall thickness; mills for the production of tubes for optic fibres and coaxial cables; and mills for the production of spiral flexible tubes.

All rolls and tools used on Olimpia 80 mills are designed and manufactured in-house. They include rolls

for the production of round, square and rectangular tubes, as well as for other profiles. All standard tube mills supplied by the company can be completed by a cassette system allowing quick tooling change. Olimpia has also designed and built an innovative revolving stand system for rapid in-line roll change. Each revolving stand is complete with 12 rolls for the production of six different diameters. Change of a complete roll set takes only around 15-20 minutes.

Full range of tube mill components

Olimpia 80 offers a full range of tube mill components, including mill entry section equipment; strip accumulation systems; and equipment for outside weld bead removal and for inside weld bead control. The company's tube mill component range is rounded off by anti-twist units; in-line monitoring and control equipment; cut-off equipment; planetary brushing machines for round tubes; brushing machines for square and rectangular tubes; tool deburring machines; and

brush deburring machines. The company can also install in-line bright annealing lines, covering the size range 6-114mm od.

Welded tube lines, and mill components from Italy