

## New lubricants for welded steel tubes and pipes

IN the mechanical wire drawing market, Condat supplies added value lubricants to the industry. The company has used its 160 years' experience in the formulation of various lubricants to develop a comprehensive range of products dedicated to the metallic tube industry.

The Condatub product range covers most tube forming processes from hot forming to cold forming. It has been designed to answer specific issues for all metals (carbon and stainless steel, aluminium, copper alloys, zirconium, etc), and includes hot forming graphite and ceramics dispersions, non-reactive and reactive drawing soaps, pilger rolling and forming soluble lubricants, neat drawing oils and corrosion inhibitors.

Tubes and pipes produced by high frequency welding technology require a large quantity of coolant along the welding line. The coolant is usually diluted in water at a concentration between two

and ten per cent. Each reduction of one per cent of concentration can lead to savings.

With this objective in mind, Condat developed specific products under the name Condatub SL to serve this application at low concentrations. The same product can be used in different production steps: lubrication of the forming rolls, cooling the tube during and after welding, lubrication during sizing and calibration, cooling at cutting, and corrosion protection, depending on the customer's requirement.

Condatub SL products are easily cleaned without leaving sticky residues. They provide good bio-stability without bacteria development, extended bath lifetime, and good protection against corrosion.

They are free of harmful components such as chlorine, bactericides releasing formaldehyde, phenol derivatives, heavy



*Condat welded steel tube and pipe lubricants*

metals and silicones. The range includes mineral and synthetic oil-based products, and also offers a 100 per cent vegetable ester-based alternative lubricant.

Condat's R&D department accommodates the latest regulations and focuses on developing safer products for both people and the environment, without compromising performance. Several production sites, all ISO 9001 certified, enable Condat to deliver products anywhere in the world through its distribution and service network.

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