

Multi-functional thread rolling machines

Over the last 20 years TLM has been focused on a multi-functional machine concept in order to save customers time and space – enabling machines to be placed in every kind of warehouse.

A multi-functional thread rolling machine can provide a flat die threading machine, plus a rotative threading module, as well as a chamfering unit, and is capable of working every hardened part, with loading elevator and orientating system, washer loader or other complementary equipment.

Firstly, a lifting unit rises the pieces to the working station. On the same line hardened pieces can be given points, chamfers, carved grooves, be threaded on different points of the shank, and assembled with washers, until they are put out as finished parts without any further operation.

“Our concept of precision mechanics means easy adjustment and maintenance, reliability, robustness and everlasting duration,” explains TLM Srl. “This is a new strategy of thread rolling machines to meet specific customer requests of extreme flexibility.”

TLM produces flat dies threading machines, rotary machines (roll and sectors machines), as well as complementary equipment such as washer loaders, chamfering machines, feeding systems with loading elevators and other units for feeding washers and screws into the vibratory bowls. At the beginning of the 2000s, a micro threader was also put on the market – able to thread micro screws and details, for spectacles production, jewellery, electronic boards and other industries. +

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CAN-ENG delivers mesh belt heat treatment system

CAN-ENG has recently prepared the shipment of an 1,800kg/hr continuous mesh belt heat treatment system for a globally recognised speciality fastener producer located in the Piedmont region of Italy.

CAN-ENG continuously demonstrates its commitment to support manufacturers of high-quality, safety critical fasteners around the world, which was the primary reason the company was chosen again for this second capacity expansion. This European project represents its fifth installation for this globally recognised producer of speciality fasteners with operations in Europe, South America, Mexico, and the USA.

CAN-ENG Furnaces International Ltd was chosen to supply this system based on proven reliability, efficiency, and soft part handling features – hallmarks of CAN-ENG’s mesh belt furnace systems. The new, high volume fastener system integrates energy efficient combustion and waste heat recovery technology, an atmosphere controlled mesh belt hardening system, oil quench, a post wash system, temper furnace, soluble oil system, bi-directional conveyor discharge, as well as CAN-ENG’s Process Enhancement Technology (PET™) system.

CAN-ENG’s PET™ system provides the user with access to vital Industry 4.0 features, which includes product traceability, detailed process data for continuous process improvements, comprehensive equipment diagnostics, cost analysis, and inventory management.

The state of the art system also integrates CAN-ENG’s Energy Reduction System (ERS™), which significantly reduces the energy requirements. The system will be commissioned in Q2 2022 to meet the clients’ performance and capacity expectations. +

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