

EUROLLS



Certified ISO 9001

EUROLLS SPA

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Eurolls: your partner for customized solutions, not just a supplier of quality machines and equipment

Application competences, advanced technologies and 30 years' experience are what makes EUROLLS SPA your key partner in the wire and tube industries.

EUROLLS SPA, founded in 1987, started its activity producing tungsten carbide rolls for the wire industry and customer drawing based steel/carbide rolls for the tube industry; later, due to the development of this market, Eurolls organized itself to provide tube machinery producers and tube producers with custom made design tooling.

This activity became successful with worldwide recognized results, making the products for tube activity the Eurolls core business.

At the same time wire products were offered and implemented with the production of cassettes but definitely the most important innovation was the production of microcassettes to replace the die system in many wire producing processes.

Confidence gained by most important Groups in the world has permitted to industrialize this product which has represented the real and only innovation in wire rolling towards drawing industry. The know-how on wire processing has then brought about the decision of founding the Wire Machinery Division, which during the years has integrated brands and machines manufacturing of companies such as Teurema (the first company founded and owned by Eurolls dedicated to construction wire) and later Team Meccanica and Vitari.

EUROLLS SPA achieved its targets by means of quality, service and flexibility through total control of design and production processes.

EUROLLS, YOUR PARTNER

FOR THE WIRE INDUSTRY

Eurolls holds a leader position in the wire sector as it can provide a full range of equipment, products and services which satisfy the needs and demands of the market regarding raw material processing, manufacturing processes, applied technological

innovations and finished products.

Thanks to its advanced engineering departments, Eurolls is able to study and develop cost efficient hi-tech solutions which bring tangible economic benefits to the end users.

Eurolls covers the following wire industry sectors:

CONSTRUCTION WIRE
INDUSTRIAL WIRE
HIGH CARBON WIRE AND ROPE

Eurolls MACHINERY DIVISION range of products and relevant Brands:

Eurolls Machinery for Construction and Industrial Sectors

- Cold rolling lines for production of ribbed/smooth reinforcement steel
- Stretching lines for production of high ductility/high resistance reinforcement steel
- Lattice girder lines
- Steel fiber production machines
- Multipass Dry Drawing/Rolling wire production lines
- Multipass Wet Drawing wire production lines
- Production lines for welding wires and electrodes
- LRPC wire/strand, steel cord/wire and wire rope equipment
- Rod and wire treatment and preparation plants



Vitari Processing lines

- Straightening and cutting machines
- Chamfering and embossing machines
- Chain bending, welding and calibrating machines
- Chain link fencing machines
- Hexagonal wire netting roll and gabion machines
- Barbed wire machines
- Nail making machines
- Dress-hanger machines



Eurolls PRODUCT DIVISION manufactures ROLLS, ACCESSORIES and COLD ROLLING CASSETTES.

Rolls, manufactured using different high-quality and certified materials, have always been the most utilized in the cold rolling plants all over the world. The manufacturing process including sintering of tungsten carbide rolls, takes place entirely in Eurolls facilities.

Cold rolling cassettes for reinforcement wire and the revolutionary microcassettes for industrial wire, launched in 2000, have become internationally acclaimed. They are developed, designed and manufactured entirely in-house.



EUROLLS, YOUR PARTNER

FOR THE TUBE INDUSTRY

EUROLLS represents a reference point for the welded tube sector all over the world. This leadership has grown stronger in the years thanks to the attention given to R&D, brand new design based upon an increasing experience acquired with the various cases studied and treated up to today.

Eurolls is the only one giving warranty on the Performance of final product, when obviously this depends only from the quality of tooling design.

EUROLLS can produce rolls in accordance with the material specified in the customers' drawings or by recommending the

most suitable profiles and materials like special steel, alloys and sintered carbides in accordance with the process.

The production capacity of rolls is huge in terms of quantity and dimensions: EUROLLS can offer rolls for the production of over 24" pipes.

The portion of rolls produced based upon the design project represents 70% or more of the total tube rolls production.

Steel sources are of primary quality.



Main production range includes but not limited to:

- **ROLLS WITH FLOATING FLANGES FOR STAINLESS STEEL TUBES OR CRITICAL ALLOYS**
- **TUBE FORMING ACCESSORIES**
 - Accumulator pinch rolls
 - Blades for slitting lines
 - Spacers made of different materials
 - Cutting and welding vices
- **ELECTRICAL RESISTANCE SECTOR**
 - Reduction and forming rolls
 - Rolls for refrigerator tubes
 - Mandrels and nozzles
- **SPECIAL APPLICATIONS**
 - Straightening rolls
 - Rolls for open profiles



EUROLLS TECHNOLOGIES FOR HIGH PERFORMANCE COMPONENT MANUFACTURE

High Performance Products require top quality components. Eurolls has the technologies, know-how and equipment to in-house manufacture its key components. Thus, Eurolls does not just assemble equipment, but rather controls each critical stage, from R&D to serial manufacture. Main processes / technologies are illustrated here below.

SINTERING PLANT

Eurolls controls the in-house sintering of tungsten carbide components. Thus, Eurolls has an internal production of tungsten carbide rolls, besides to the traditional rolls made of special steels, alloy, etc. Starting from high quality powders, the process consists of a pressing phase, machining operation and sintering process in vacuum furnaces. The output consists of: rolls, dies, insert, cutting tool, blade, etc.



CNC MACHINING CENTRE

Eurolls manufactures its own main mechanical components, using more than 150 CNC machines and 10 fully automatic working centers, which are located in our plants. Each production step is fully controlled in our three internal laboratories.



VACUUM THERMAL TREATMENTS

Eurolls has more than ten years experience in the heat treatment field, with a sophisticated, fully automatic vacuum hardening and tempering furnace line.

Heat treatments performed in vacuum line:

- **Vacuum Hardening and Tempering**
- **Normalization**
- **Soft Annealing**

Eurolls also performs internal Quality Tests in its metallurgical laboratory: each batch is tracked with thermal cycle, hardness, chemical and micrographic tests.



NITRIDING PLANT

Thermal Treatment also comprises a state-of-the-art Nitriding Unit with fully integrated heating and cooling cycle with automatic control and analysis system. The thickness and phase constitution of the nitrating layers can be selected and the process optimized for the particular properties required.

Typical applications include:

gears, valve parts, diecasting tools, forging dies, extrusion dies, spacers, shafts, injectors and plastic-mold tools.



ANTIWEAR WELDING COATING

Eurolls uses MIG technology for high thickness, hard material antiwear coating.

Several kind of hard coatings are available, with different characteristic.

Main products: capstan and pulley for wire sector, rolls for sheet metal, cutting tools.

Following coating processes available:

High Chromium, W,V from 40Hrc to 60Hrc, thickness up to 10mm



PLASMA & HVOF PLANT

Thermal spray, Plasma and HVOF plant for outstanding performance in anti-wear coatings: Ceramics, Carbides and Nickel Chromium.

This setup is able to treat large pieces up to 6 m in length and 1.5 m in diameter.



MANGANESE PHOSPHATING PLANT

Eurolls also has a new galvanic plant for Mn phosphating. The manganese phosphating results in a dark gray coating, very resistant to corrosion and wear. The phosphate layer reduces the friction between surfaces of mechanical components in reciprocal sliding. Eurolls covers all stages of this production process.





CUSTOMER CARE, FROM DESIGN TO AFTER-SALES

Expertise and know-how acquired from the production processes of various clients, enable Eurolls staff to assist customers both in the initial analysis, which determines the most opportune design solutions to ensure a process improvement, as well as during start-up and training. Accurate and prompt technical assistance follows, in fact, the entire life of each supplied plant, machine, equipment or product. It is provided by highly specialized personnel and remote support systems with the presence around the world of Eurolls subsidiaries.

Services include:

- **Installation of new equipment (start-up stage)**
- **Modification and/or personalization of existing equipment**
- **Supplying of original spare parts**

EUROLLS has established subsidiaries in Brazil, Mexico and China to offer international customer assistance on equipment and installations, as well as regrounding services and manufacture of rolls, rolling and drawing devices. The use of the same machines and programs as used at the Italian headquarters, guarantees constant quality level of products.

EUROLLS has a wide agent network covering all continents and, consequently, guaranteeing each customer a local reference/contact point.





DIVISIONAL & COMMERCIAL NETWORKS

WPD

WIRE PRODUCTS DIVISION

WMD

WIRE MACHINERY DIVISION

Trademarks:

- Eurolls
- Vitari
- Team Meccanica
- Teurema

TD

TUBE DIVISION

AFTER SALES SERVICES

- Spares
- Remote Assistance
- Local Assistance

BRANCHES

- Mexico
- Brasil
- China

AGENTS



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Vitari  **TEUREMA**

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