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COSTRUZIONI MECCANICHE VALENTINI spa

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Why entering CMV's world?

INNOVATING ATTITUDE AND EXPERIENCE

Having been in the metal industry business for 50 years, 40 of them dedicated to the steel making plants industry, we still believe that ingenuity and innovating attitude keep on creating an attractive value proposition.

PASSION AND FULL FOCUS TO CUSTOMERS

Customers are our passion, we devote our efforts to generate a real team work, to share the goals, the way to achieve them, the relevant responsibilities and to provide the customers with increased competitiveness.

FLEXIBILITY, REACTIVITY, TARGET COMPLIANCE

We feature an utmost flexible and creative attitude to meet customer expectations with tailor-made projects, despite any unpredictable event and highly target oriented.

HONESTY

We feed a true commitment to the final and mutual success with customers for a long-lasting relationship.

Products

CMV MANUFACTURES MACHINES AND HANDLING DEVICES FOR STEEL MAKING PLANTS, SUITABLE IN THE PROCESS OF FLAT, LONG AND TUBULAR GOODS PRODUCTION.

Historical steps

1968

CMV had been established as a mechanical workshop to achieve the entrepreneur Fausto Valentini's personal business. The geographic location in such a heavily wooded area had addressed the early efforts towards the design and construction of wood handling systems for the relevant initial transformation phases in sawmills. In the following years, CMV had become a national leader in the sector and had extended its influence beyond the national borders.

1980

Following the entrance of technicians in the company from the steel making plant industry, CMV had begun designing, building and installing lines for automatic handling of small and large sized tubes for the OIL & GAS industry and for various mechanical applications. Thanks to the success of the early projects, the company had quickly gained a positive reputation and started servicing international manufacturers such as Dalmine, Arvedi and Marcegaglia.

1993

CMV had started the historical relationship with RIVA Group –with the supply of a walking beam for billets charging into the reheating furnace–, the relationship had consequently a significant role on the experience growth and business orientation of the company, in the sector of "long products" such as billets, rods, sections, flats and coils for the plants in Italy, France, Spain and Germany.

1998

CMV had started an important collaboration with ILVA TARANTO and first entered the world of flat products such as slabs, strips, plates and large sized tubes (56").

2010

CMV had developed with TENARIS Group the OIL & GAS experience –first entered with the Group's subsidiary DALMINE plant– for intercontinental operations at the Group's facilities in Algoma (Canada), Bay City (USA), Tamsa (Mexico), TuboCaribe (Colombia) and Siderca (Argentina).

2014

The demand for large lines, the relevant tests in the workshop and sometime the need to detain the goods for few months before shipping had lead CMV to the strategic decision of a productive unit expansion, which had generated a cumulative 12.000 m² indoor surface area, 1500 m² of them as offices. The investment had been completed in 2016.

CMV's consolidated competences

TURNKEY PROJECTS for new lines.

TURNKEY REVAMPING PROJECTS of existing production areas, which include upgrades of existing systems and the implementation of new handling systems, based on dedicated survey and, should be the case, thanks to three-dimensional laser scans.

MACHINE SERVICING for units refurbishment, which could include structural and functional changes to overcome original design weaknesses or to extend the working range.

Representative units are, among others, rolling stands, shears and flattener for strips, shears for round products, coilers and downcoilers, hydraulic tube testers, fast pinch rolls, non-commercial gearboxes.

In the workshop, functional testing is usually performed on each made or serviced machine before its delivery.

REVERSE-ENGINEERING OF MACHINES OR COMPONENTS where construction drawings are missing, featuring a 0,01 mm accuracy thanks to the use of Portable Coordinates Measuring Machines.

The customers very often miss the drawings of the machines which the services or the modifications are intended for, in those cases CMV performs complete measurements by means of a laser scanner device and performs the needed engineering to provide the customer with the relevant drawings.

MACHINING WORKS ON SITE BY MEANS OF PORTABLE DEVICES, for example but not limited to stand uprights, large shears where the dimensions or the time schedule prevent their removal from the line.

MANUFACTURING AS PER CUSTOMER'S ENGINEERING, with special recurrence for handling devices and complete machines with on board electric, oil-hydraulic, hydraulic, pneumatic, and grease or air-oil lubrication systems (for example: rolling stands with seals, dividing shears for strips, scrap shears for rods, grinders, coilers, straighteners, non-commercial design gearboxes).

Quality and Safety

An integrated QUALITY-SAFETY company system leads the following activities with specific procedures:

- Acquisition of raw materials and components from an established network of qualified suppliers;
- Design and engineering services with the aid of the latest CAD systems;
- Reverse Engineering (RE) with 0,01 mm accuracy by using PCMM;
- FEM analyses;
- On-site surveys with 3D laser measuring systems;
- Welding execution in compliance with standards EN ISO 3834-2 and EN1090-2 EXC3;
- Inspections for the acceptance of raw materials, semi-finished products and commercial products;
- Inspections and final testing with the aid of PCMM or 3D laser measuring systems;
- Ongoing training of internal personnel.

Certifications

- UNI EN ISO 9001:2015
- EN ISO 45001 (ex BS-OHSAS 18001).

Contacts

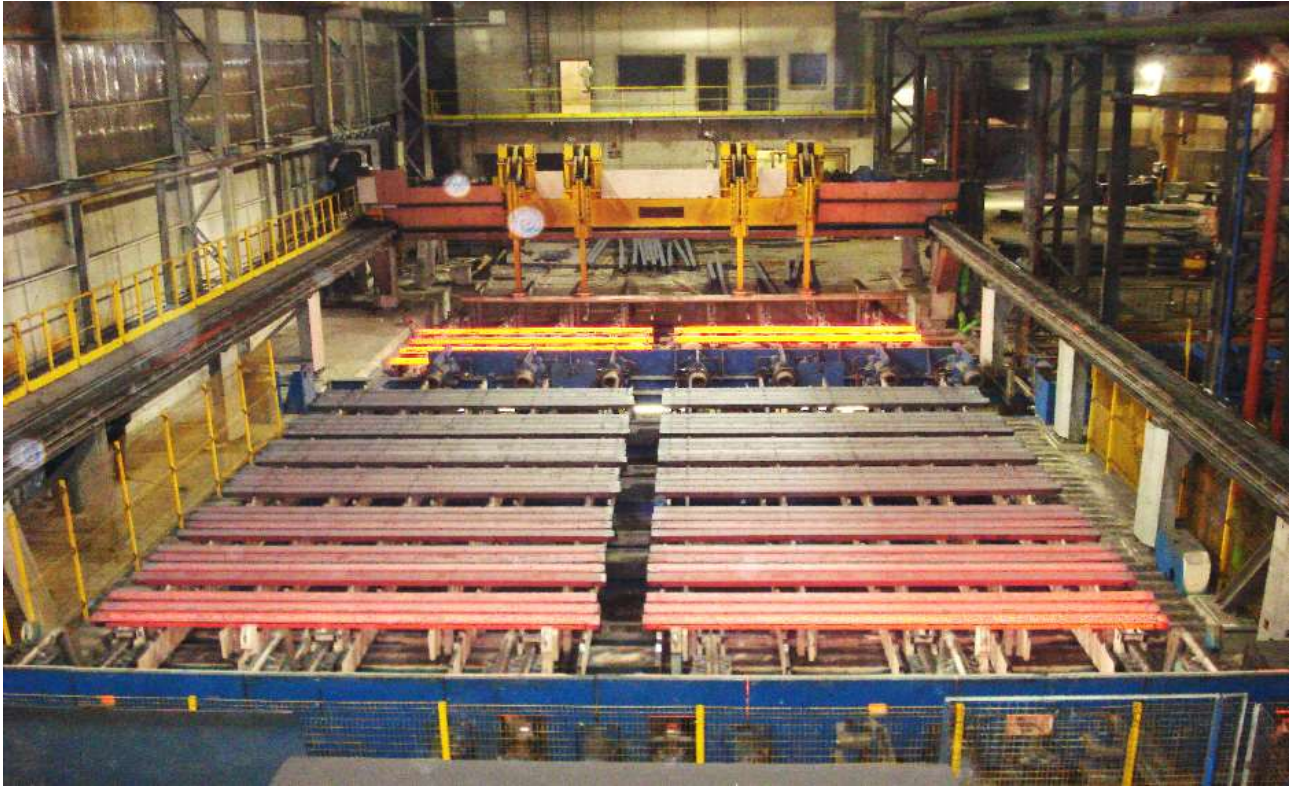
- General: www.cmvroncone.it;
- M@il: info@cmvroncone.it

Some products among CMV's ones

	Hot straighteners for flats
	Brushes for pipes deburring
	Facing and chamfering machines + Drawing machines
	Start-stop and scrap shears for rods
	Shears for strips
	Strip trimming and swarf scrapping machines
	Strip and sheet centring machines
	Rolling mill stands and relevant gearboxes
	Spindles holder for rolling mill stands
Machines	Trolleys for extraction-insertion of cylinder chocks for strip mills
	Chock tippers
	Stackers for rounds, flats and profiles
	Devices for process and fiscal weighing
	Automatic pickling devices for tubes and long products
	200, 300 and 400 bar water descaling machines for slabs, plates, billets
	Hardening heads for tubes
	Tempcore lines
	Coils forming stelmor lines for wire rod, from loop laying head to the forming pit
	Walking beams for billets, bars and slabs
	Billets and slabs charging and dis-charging machines for re-heating furnaces
	Roller ways with aprons to feed cooling walking beams
	Cooling beds for billets, rounds and profiles
	Cooling beds for tubes and sheets
	Roller ways for all products
	Entry and outlet channels of straightening machines for tubes and rounds
	Manipulators and overhead travelling conveyors
	Walking beams for billets, rounds, tubes, coils
Handling	Chain conveyors, elevators, separators
	Levers or rotating rod conveyors for individual pieces, layers, or bundles
	Pinch-rolls
	Stoppers for accurate alignment of products and cut
	NDT lines for tubes and rods
	Conveyors for bundles (round, square, hexagonal) of long products
	Coils conveyor and handling lines
	Coils packaging lines
	Tippers, trolleys, walking beams for coils
	Walking beam and chain conveyors for coils



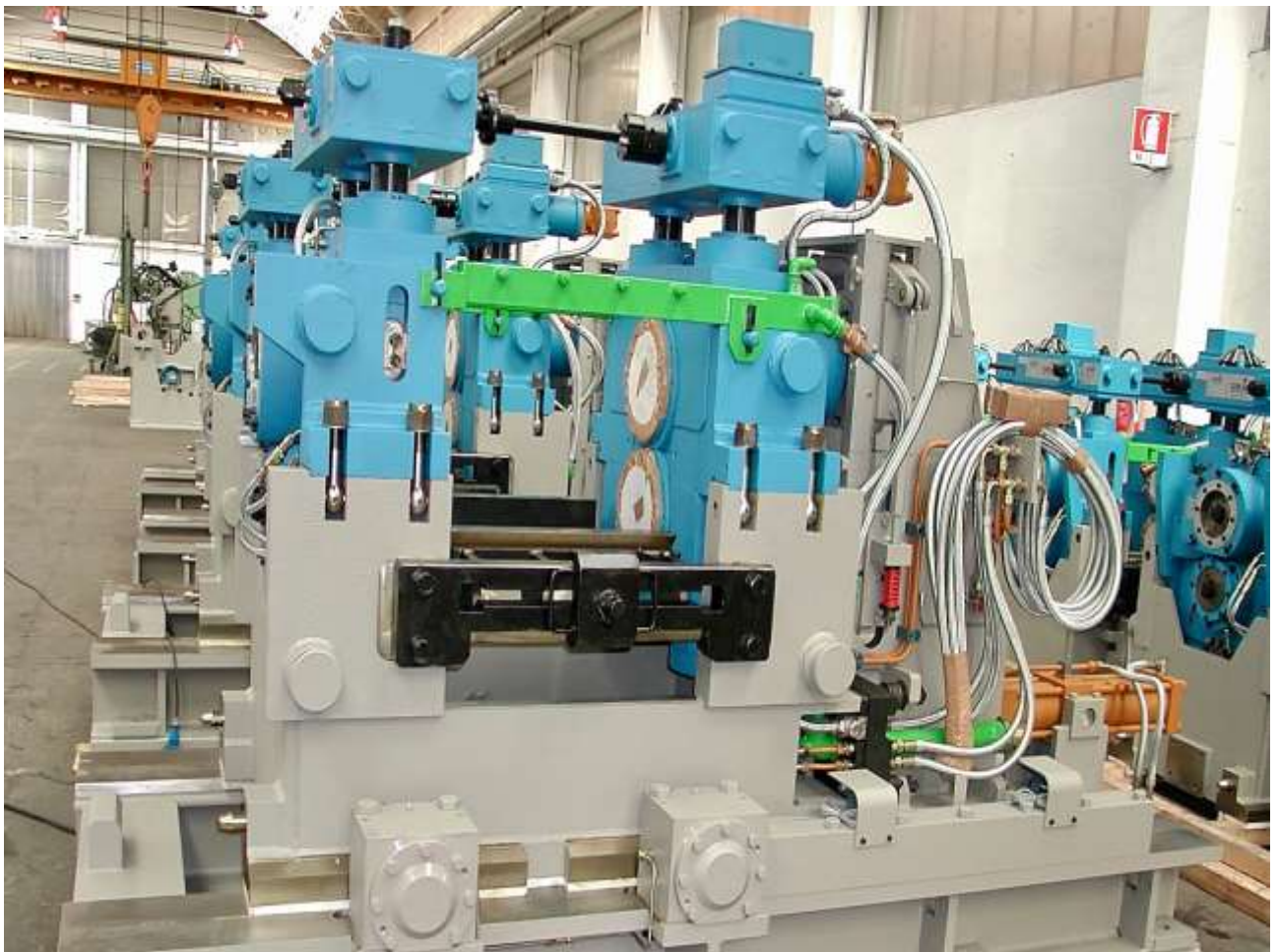
Some photographic reportage



Direct charge of billets from continuous casting machine to reheating furnace



Deburring machine for hot-welded billets - built as per customer's engineering



Rolling mill stands for long products - built as per customer's engineering



8-lines, 30 m tempcore and by-pass roller way



Hot straightener for flat bars



Hot profiles straightener – built as per customer’s engineering



Hot profiles straightener - built as per customer’s engineering



Cold pre-straightener for flat bars



Conveyor for complete bundles towards the warehouse



Conveyor for complete round bundles



Curved roller way for billets, from reheating furnace to roughing mill stand



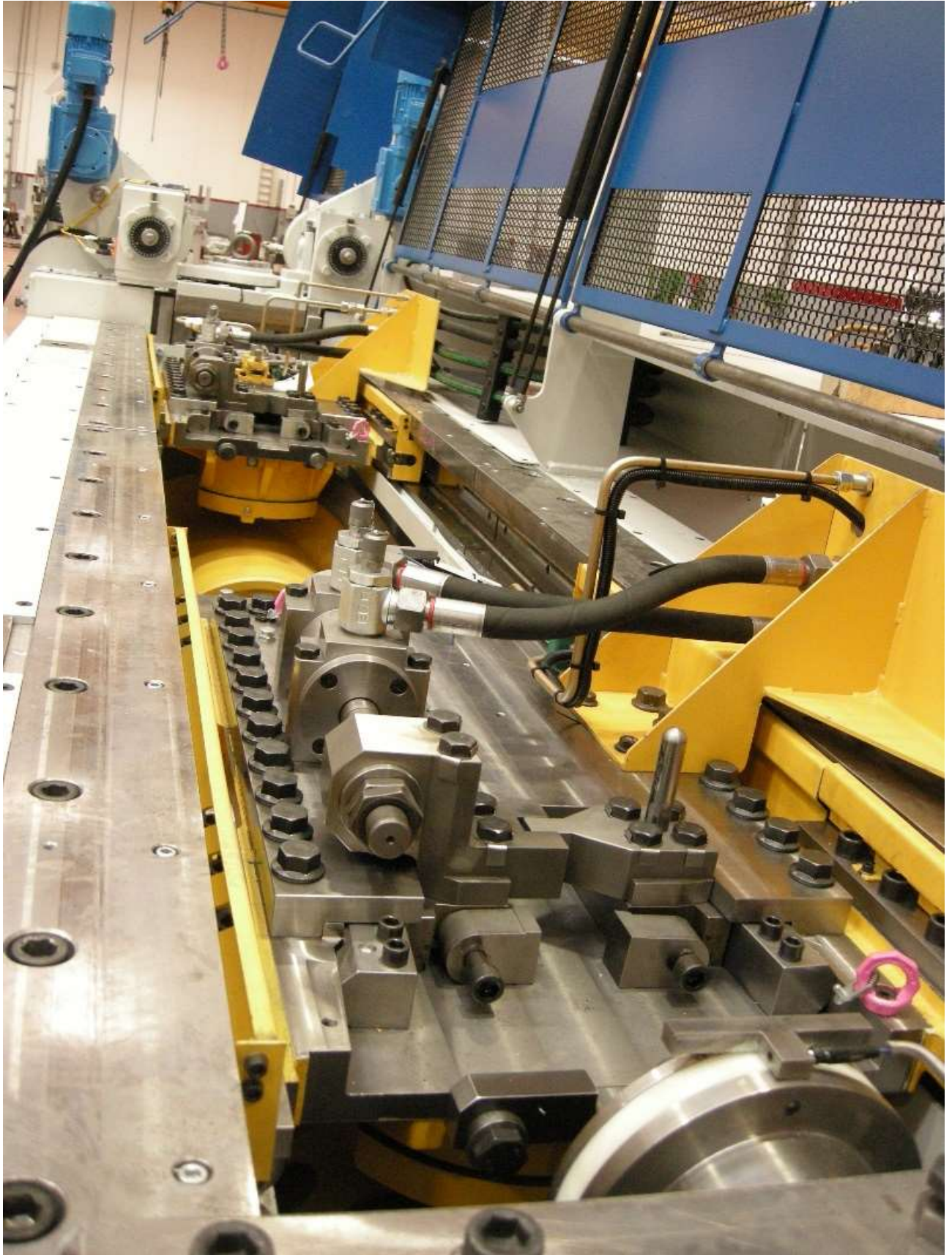
Start-stop shear - built as per customer's engineering



Rod Manipulator for coil opening - built as per customer's engineering



Chamfering machine for bars - built as per customer's engineering



Combined Drawing Machine (coil to bar) - built as per customer's engineering



Two-Roll Straightener for round bars - built as per customer's engineering





Hot Billets Discharging machines



Hot billes discharging Pinch roll



Charging pushers for billets reheating furnace



Charging pushers for billets reheating furnace



Reheating furnace charging and discharging devices for billets



Reheating furnace charging and discharging devices for slabs



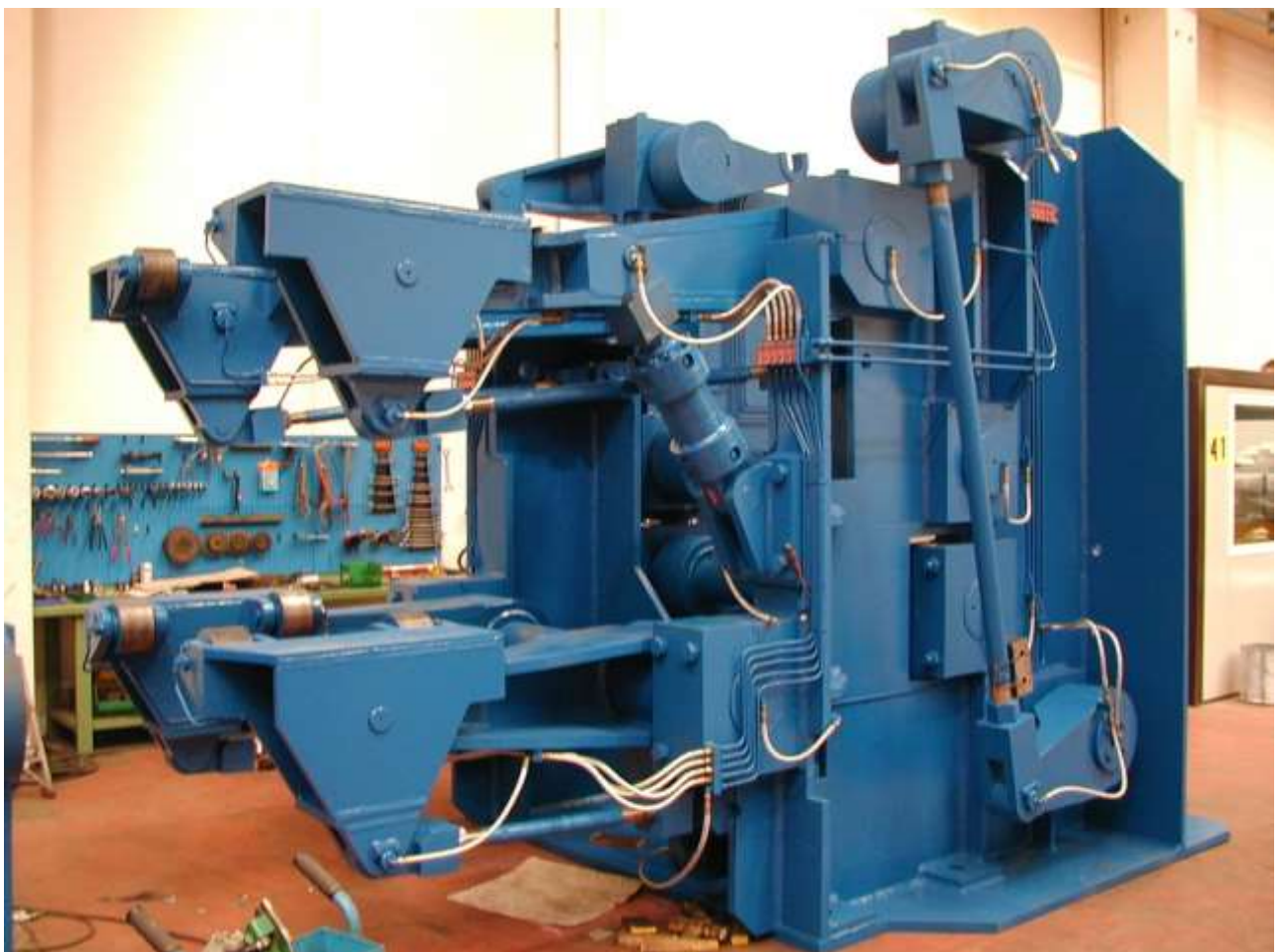
Slab discharging device from reheating furnace



Slab discharging device from reheating furnace



Slab discharging device from reheating furnace



Spindles holder for strip mill in roughing area



Aluminum scraps compacting press



Gantry and tongs for work rolls



Double shears and leveller machines for strips



Transcan® head - built as per customer's patented engineering



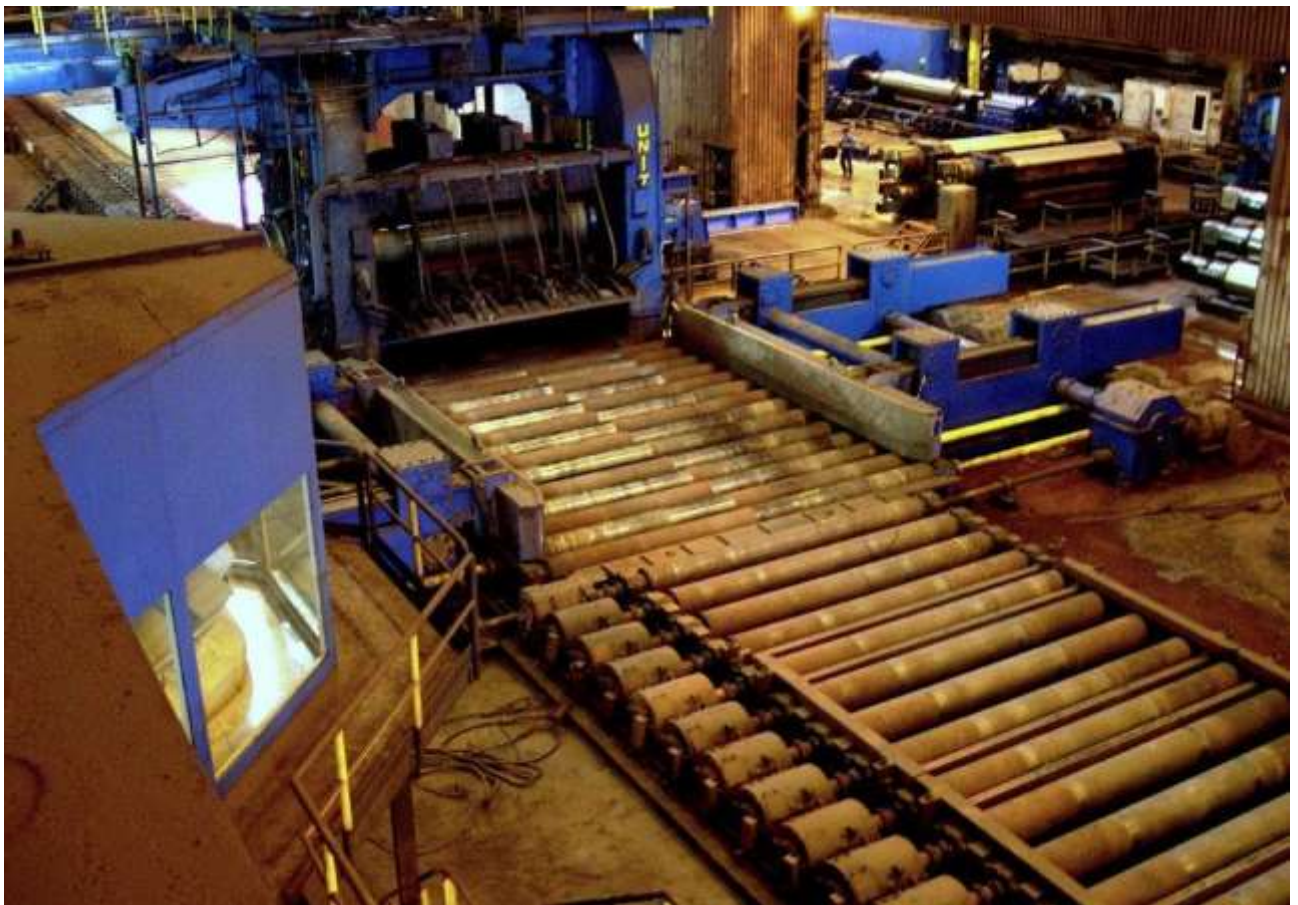
Revamping of shear and roller ways for strip mill



Revamping from furnace slab discharge to roughing mill (roller way, descaler, centring pushers)



Descaler for plates



Centring puscher for plates



Centring puscher for plates



Roller way for plates mill



Piercer fast chuck trolley (6 m/s speed)



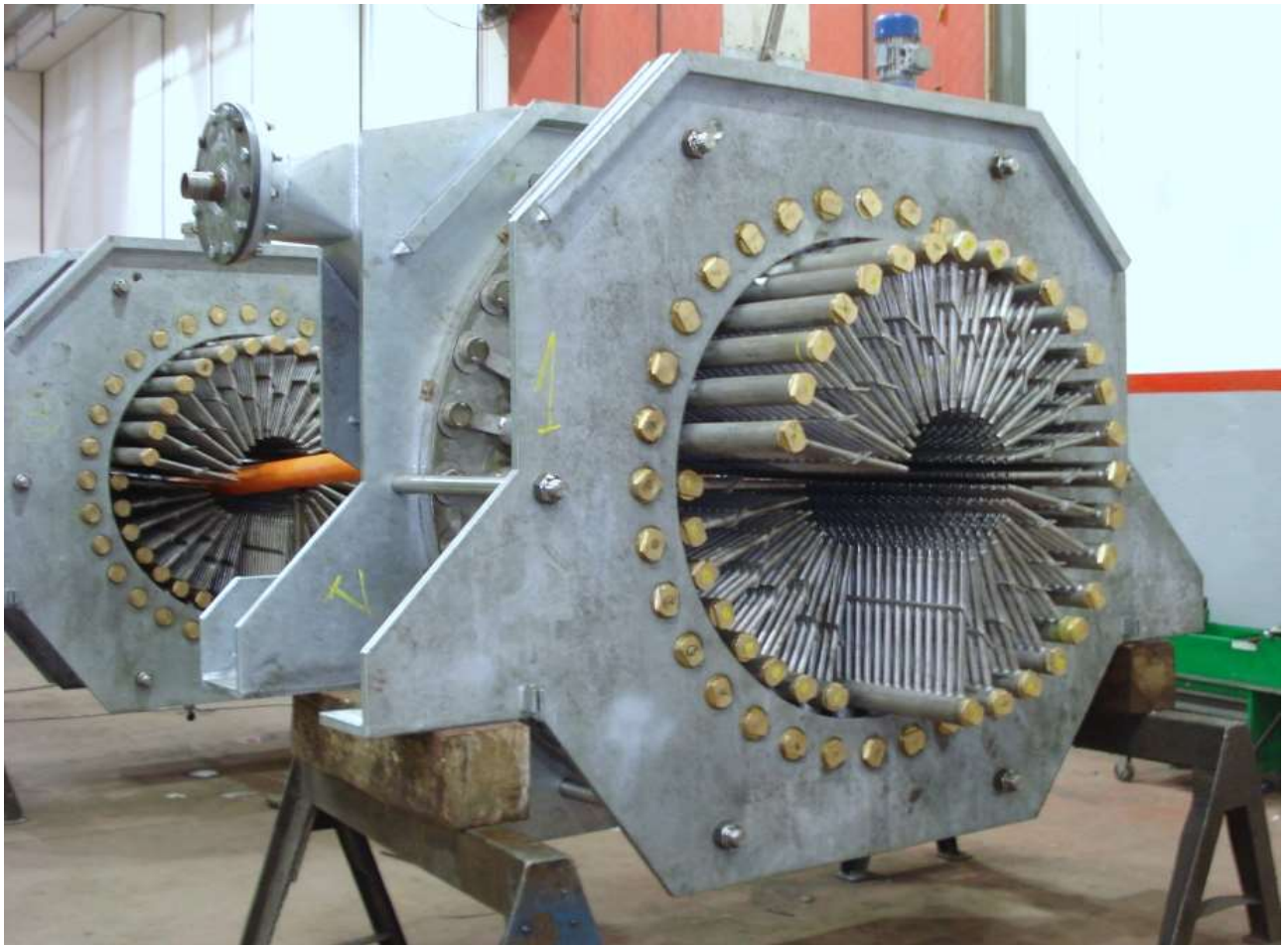
Piercer fast chuck trolley (6 m/s speed)



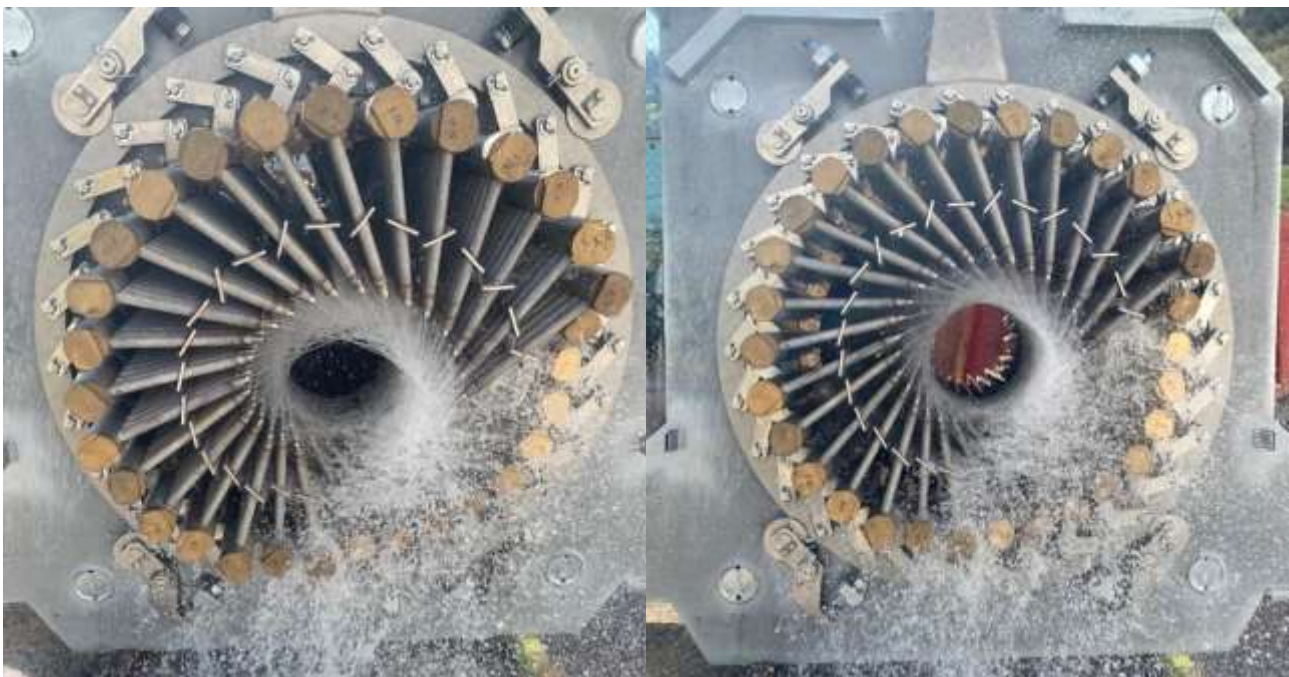
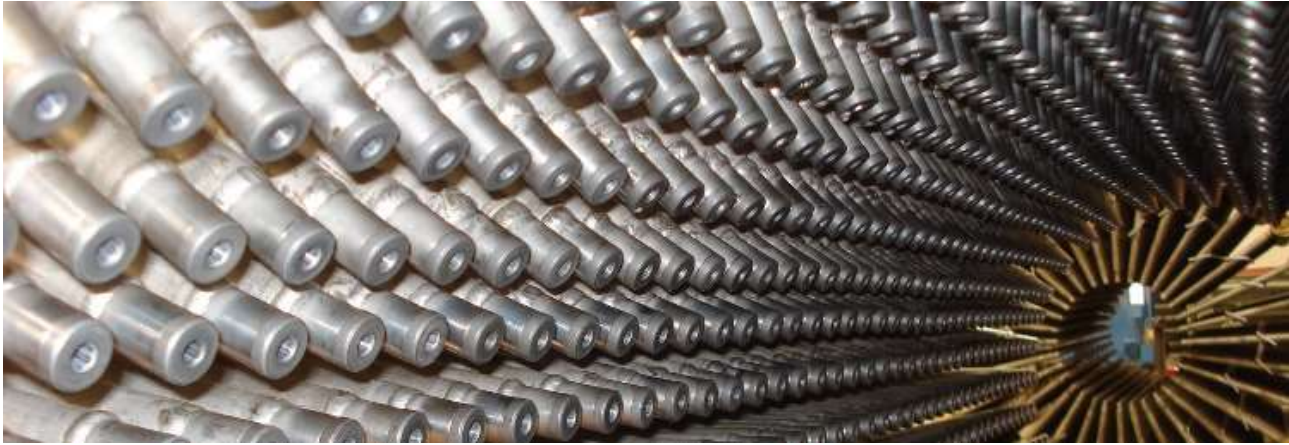
3-roller self-centring guides for tubes piercing mill



Electric pipes extractor from hardening furnace



Descalers and quenching heads for tubes hardening – built as per customer’s patented engineering



Quenching heads testing phases



Testing phases for descaler head



Quenching tank



Detail of the quenching treatment zone



Desclaler for plates



Quenching and Hardening treatment plant for tubes



Quenching and hardening treatment plant for tubes during the erection



Quenching and hardening treatment plant for tubes during the erection



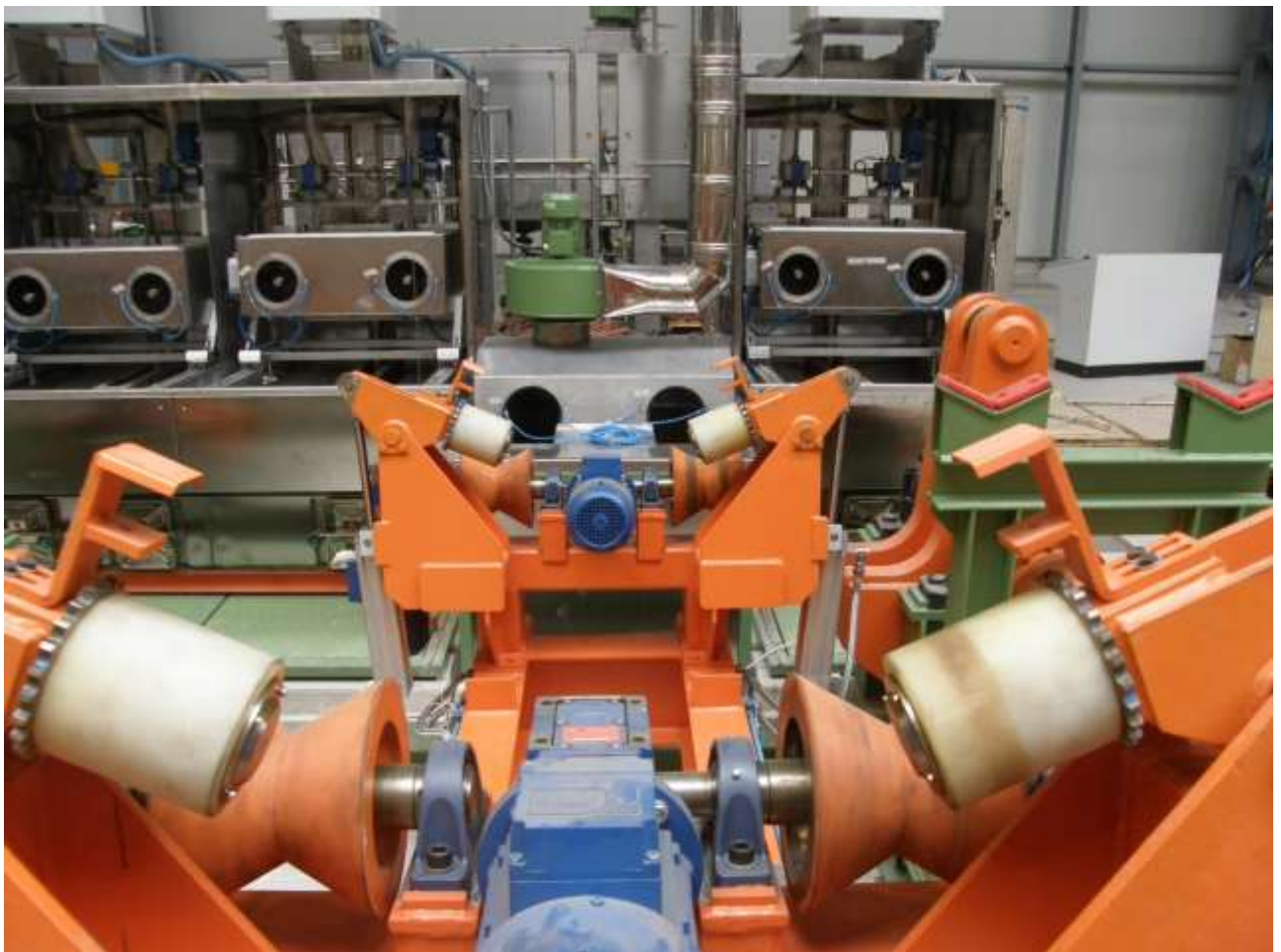
Threading and phosphating OCTG premium line for tubes dia. 60 -180 mm – During the erection



Threading and phosphating OCTG premium line for tubes dia. 60 -180 mm – During the erection



Handling for OCTG premium tubes dia. 60 -180 mm



Handling for phosphating station



Handling on complete tube finishing line OCTG diam. 114 / 400 mm



Ends tube brushing machine station



Walking beam for tube chamfering machine (cycle time 1 s)



NDT EMI® handling for tubes line



NDT US OLIMPUS® handling for tubes



Spoolers for tube laying (CMV's entire engineering)