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# About Us

MAREN offers special solutions for industrial investments. System engineering, project management, manufacturing and commissioning services are coordinated by the expert MAREN team.

MAREN also serves its customers in supply chain management, supplier auditing, quality control, finding local suppliers, export and logistics. With its experienced staff and strong supply chain management, it acts as a bridge for domestic suppliers in international projects.

- It has a factory area of 2600 m<sup>2</sup>.
- It has professional / experienced management staff and skilled workforce.
- It has advanced machine, processing and design capabilities.
- It operates in Izmir/Turkey, which is an advantageous settlement point.
- It has ISO 9001, EN 3834-2 certificates and its standard products are CE certified

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# ELECTRICAL ARC FURNANCE

- Upper Body
- Lower Body
- Body and Roof Panels
- Tilting Platform
- Gantry
- Electrode Columns
- Electrode Holders
- Ladle
- Ladle Furnance Roof
- Ladle Car
- Scrap Bucket





## UPPER BODY

It was delivered after pre-assembly and pressure test and all functional checks.



## LOWER BODY

UT was applied to all butt welds, camber and main round bar .



## WATER COOLED PANELS

Forged Cup is used in all panels. Welds are made in accordance with approved WPQRs and each panel is pressure



## TILTING PLATFORM

After all welds are made, NDT tests are applied according to the design. Before delivery, all parts are pre-assembled and checked.



## WATER COOLED DUCT

The whole assembly including the mechanical, lubrication and cooling line has been delivered as complete.



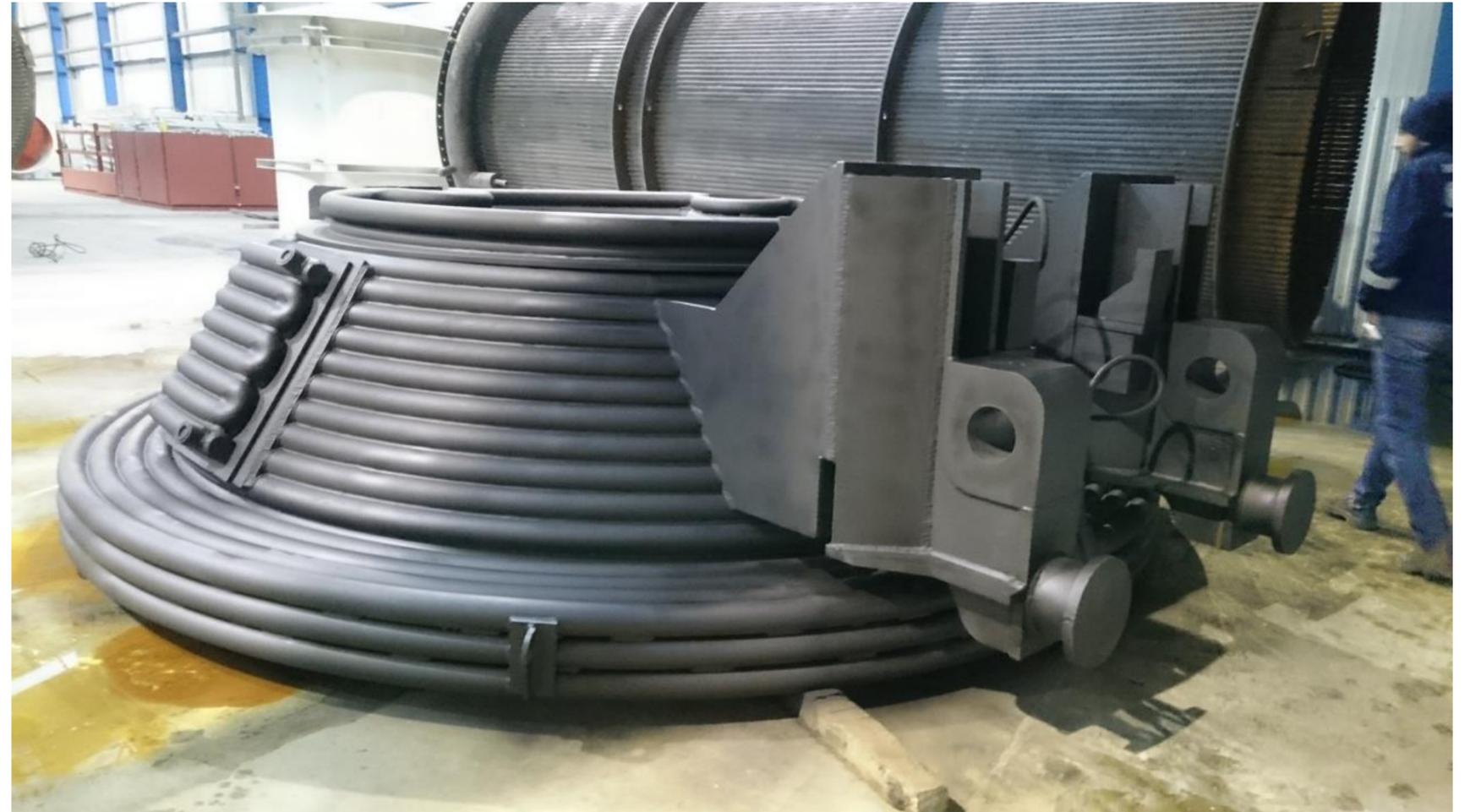
## ELECTRODE HOLDER

It is delivered as assembled including stainless clamps, water cooled body and composite insulation materials.



## LADLE

UT was applied to all butt welds, camber and main round bar .



## LF ROOF

The whole assembly including the mechanical, pneumatic and cooling line has been delivered as complete.

# CONTINUOUS CASTING MACHINE

- Tundish & Tundish Car
- Oscilating Table
- Mould Body
- Segments
- Water Cooled Rollers
- Extraction & Straightening Units
- Roller Tables
- Dumy Bar & Parking Station
- Cross Transfer
- Cooling Bed

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## OSCILATING TABLE

The whole assembly including the mechanical, lubrication and cooling line has been delivered as complete.



## 2nd SEGMENT

Water cooled frame machined in one time with CNC. Roller tangents verified with Laser Tracking after assembly



## W&R ROLLERS

Material analysis of the water-cooled rollers was made before processing. Pressure test was applied after assembly.



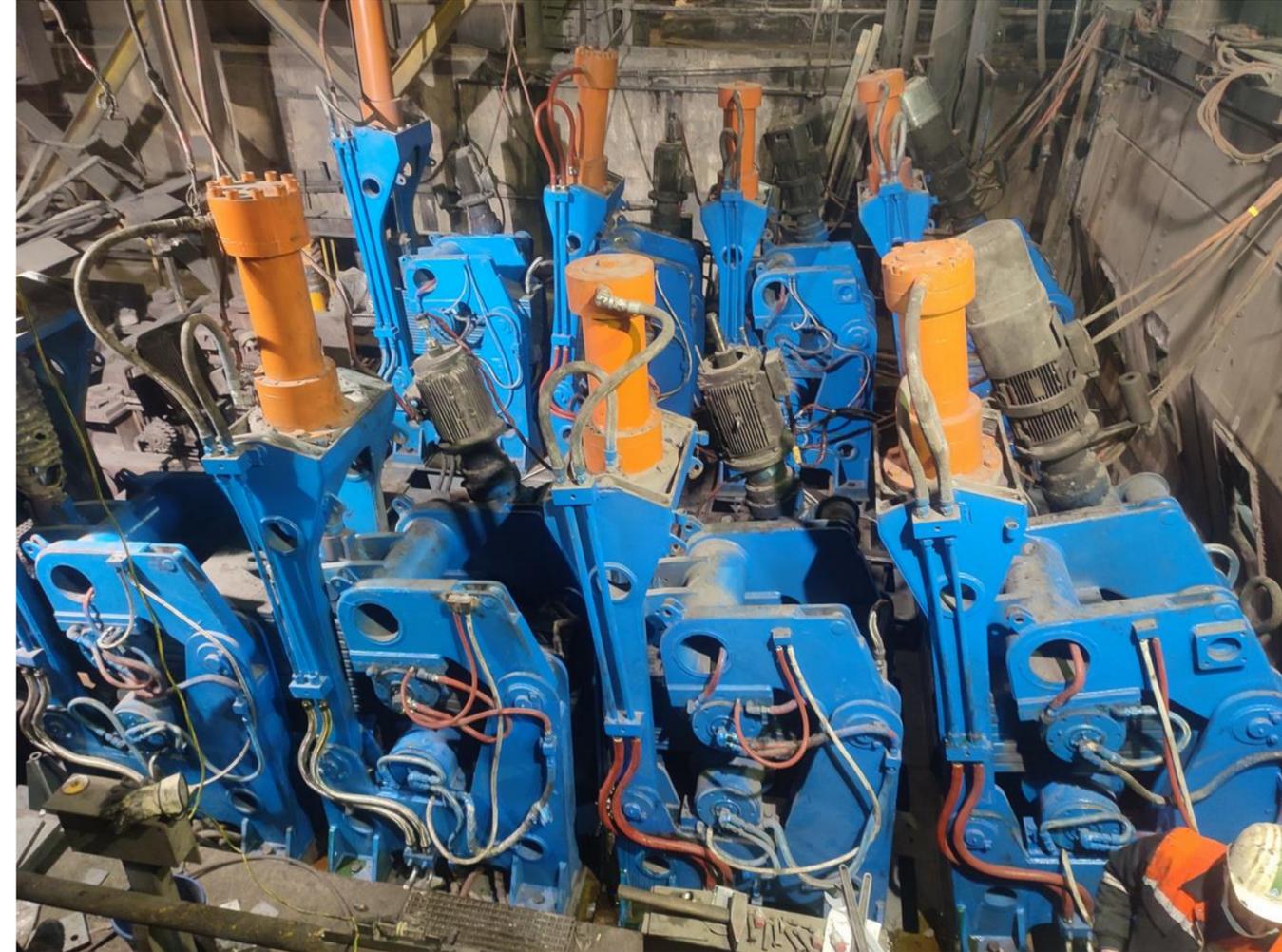
## W&R FRAME

After welding, stress relief apply acc to drawing. W&R Frames mach ne in one time.with CNC



## 3rd SEGMENT

All mechanical assembly including EMS has been done by MAREN site team



## W&R UNIT

The whole assembly including the mechanical, lubrication and cooling line has been delivered as complete.



## SEGMENT FRAMES

Segment frames machined in one time with CNC. After welding, stress relief was applied to all frame



## OSCILATING FRAME

Oscilating frames machined in one time with CNC. After welding, stress relief was applied to all frame



## CUTTING CAR

Frame and assembly of the Cutting Car was made by Maren.



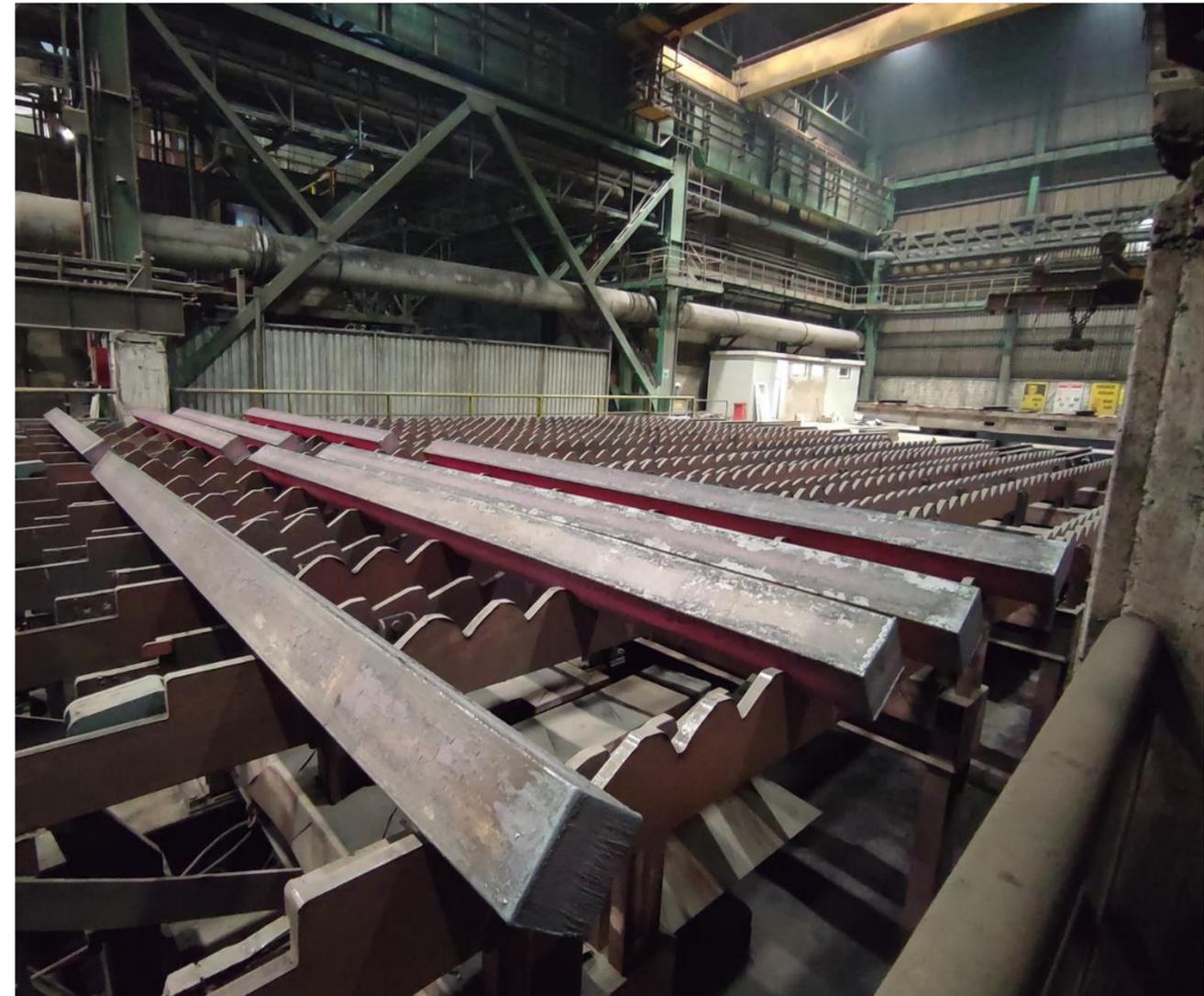
## CROSS TRANSFER

Cross transfer all parts were manufactured and assembled.



## TUNDISH & TUNDISH CAR

Frame and assembly of the Cutting Car was made by Maren.

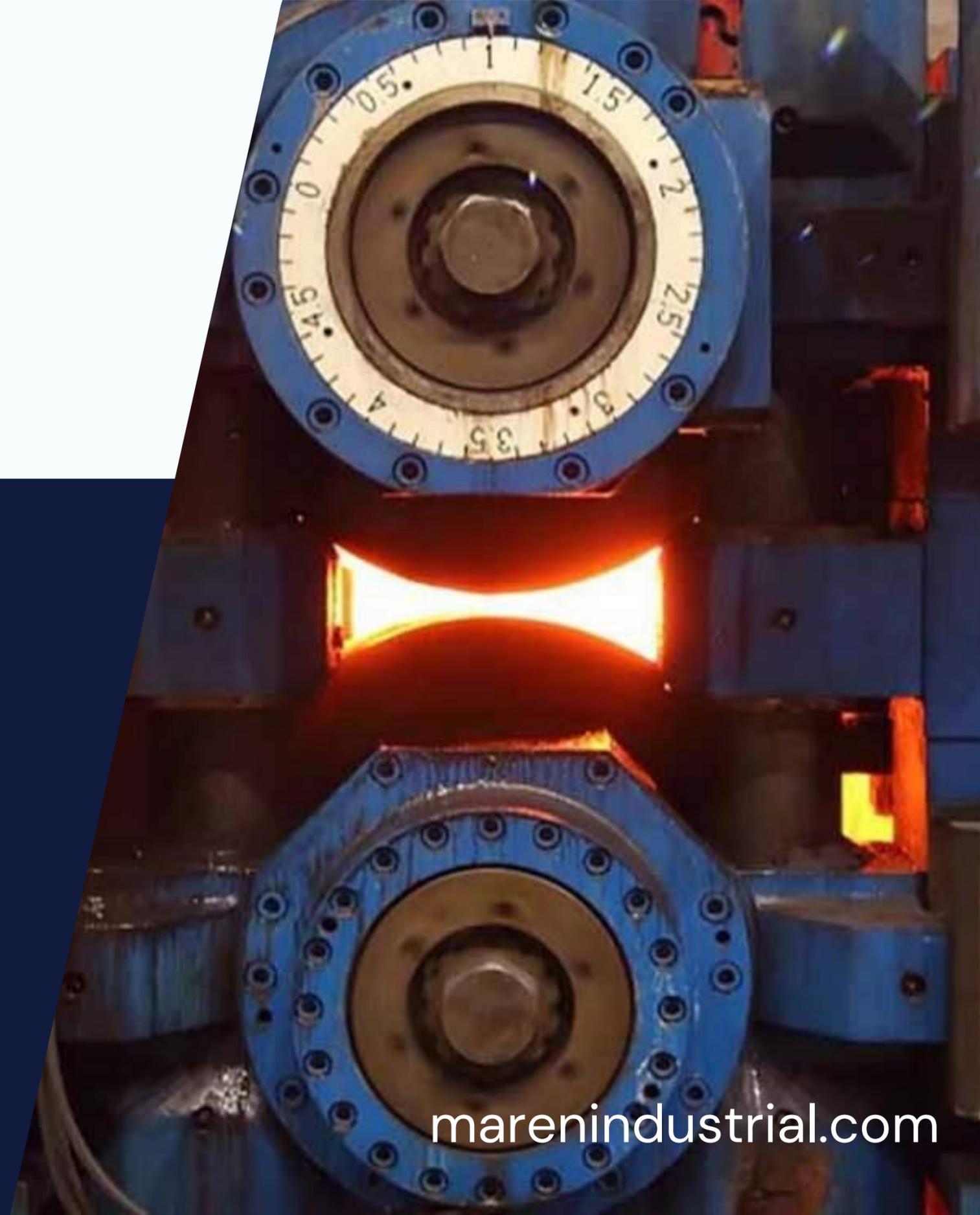


## Cooling Bed

Cooling bed all parts were manufactured and assembled.

# ROLLING MILL

- Rolling Mill Machines
- Pinch Rolls
- Flying Shears
- Cold Shears
- Water Boxes
- Chain Transfer
- Cooling Platform
- Packing Line
- Furnance





## WATER BOX

The surfaces on which the cast runners will sit were processed in CNC at one time. Accuracy along the line is 0.03mm.



## PINCHROLL

The operating tests of the Combine gearbox were carried out at 2500 rpm. Gear contact, heating during operation, lubrication flow, vibration were measured and a detailed report was given with the equipment.

# ROLLING MILL EQUIPMENTS



## LOOPER

It has been delivered including hydraulic, pneumatic, mechanical and electrical assembly.



## CONVEYING TROUGHS

Casting items also supplied and assembled on the machines as per client's requirements.

# STRIP PROCESS LINE

- Process Tanks
- Decoiler
- Bridle Unit
- Steering Unit
- Roller Table for Hot Strip Mill
- Pinch Roll
- Coil Tilting Machine
- Looper
- Zink Pot Shell
- Recoiling
- Insp





## LOOPER

Loopers are delivered completely assembled



## STEERING UNIT

Chrome plated rollers, main frames, pneumatic line and mechanical assembly are included.



## COIL TILTING

Coil tilting machine under the functional test



## ROLLERS

We can manufacture chrome-plated, tungsten-coated, PU-coated, Rubber-coated Rollers up to 1500mm diameter.



## **MAREN ULUSLARARASI TİC. VE SAN LTD ŞTİ**

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