

CASTING MACHINE FOR BLOOMS (N.3)

- Mold CC3 Bloom and Billet Continuous Casting Machine. No. 1 available.

TECHNICAL FEATURES

Installation Year 1981

Revamping Year 1998

Supplier Nippon Steel

Bending radius 14 meters

Number of strands 4

Billet section 170x170mm – 200x200mm 220x220mm – 320x320mm 245x340mm –
Diam.280mm Diam.320mm Diam.370mm

Cut length Min. – Max. 4,5 – 12 meters

Mold level control Co60

Steel Flow Control sliding gate

Mold Curved – L 1000 mm

Oscillator mechanical

Secondary cooling Water

Stirrer MEMS e FEMS

Dummy Bar dummy bar chain

Cut oxycutting

Cooling bed No. 2 walking beam

COMPONENTS

Ladle turning turret with single motorized rotation.

Tundish track. No. 2 available. Double tundish track placed at the strand sides with electric handling, feed track cable holder and ground flex.

Mold Plate mold for blooms, cartridge mold for square billet and round blooms.

Oscillator. No. 4 available. Electromechanical, fixed width 7 mm Maximum frequency 180 strokes / min variable with the casting speed.

Stirrer. No. 4 available. Second hand equipment. Electromagnetic Stirrer. Variable current 0-500 A frequency 0-4 Hz.

Final electromagnetic Stirrer. No. 4 available. Final electromagnetic Stirrer. Variable current 0 – 500 A frequency 50 Hz.

Extractor / straightener system. No. 4 available. Four cages mounted on the horizontal part of the vapor chamber exit consisting of one upper idle roller and one lower motorized roller.

Cutting Machine. No. 4 available. Single torch oxycutting machine with motorized angular movement, pneumatic hooking clamp, and electrically motorized movement.

Evacuation roller table. No. 80 available. Part of roller table composed by 20 rollers, each individually motorized per strand.

Cooling bed roller table. No. 30 available. Part of roller table composed by 15 motorized rollers for each of 4 strands.

Cooling beds. No. 2 available. Thrust Loading System with motorized transom. The translation on the cooling bed is hydraulic with toeing system.