

Data Sheet

Reference No.: 54745

Conveyor (roller hearth) Furnace

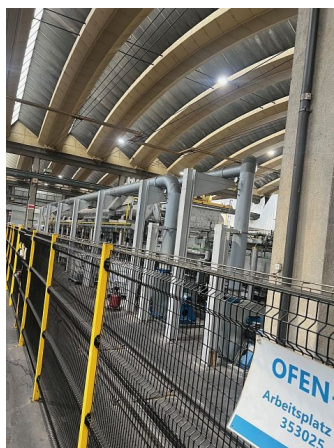
Brand: TENOVA
Model:
YoM, approx.: used
Reconditioned:
Controls:

Characteristics Heat Treatment Equipment

temperature max.: 950 °C

Additional Information:

Clear width 2,200 mm Usable width 2,070 mm Usable height 400 mm Working height 1,300 mm Inlet roller conveyor 14,700 mm Inlet box 2,500 mm Annealing furnace 29,169 mm (Annealing furnace clear length) approx. 26,769 mm Cooling section (HT and NT) 51,000 mm Outlet box 2,500 mm Outfeed roller conveyor 14,660 mm Total length 114,530 mm System volume: XXX m3 (annealing furnace and cooling section) N2 purge gas volume 420 m3 Furnace design: Roller hearth continuous furnace Material: Tubes Outer diameter: 14 - 180 mm Wall thickness: 0.8 - 8.0 mm Length: 4.0 - 13.0 m Surface before annealing: - - Throughput at 920 °C annealing material temperature and full furnace utilisation 7,000 kg/h (without holding time) Throughput at 700 °C annealing material temperature and full furnace utilisation xxxxx kg/h (without holding time) Reference pipes: 25 x 2.5 x 8000 mm 33 x 3.5 x 8000 mm 40 x 3.5 x 8000 mm 55 x 2.8 x 8000 mm 63 x 4 x 8000 mm 75 x 6 x 8000 mm 110 x 8 x 8000 mm Tube outlet temp., depending on tube surface: 125 - 150 °C Roller pitch inlet roller conveyor: 620 mm Roller pitch inlet box: 620 mm Roller pitch annealing furnace: approx. 430 mm Roller pitch cooling section: 500 mm Roller pitch outlet box: 620 mm Roller pitch outlet roller conveyor: 620 mm Roller dimensions: Annealing furnace: 155.4 x 14 mm 1.4848/1.4832 Front section HD cooling section: 157.0 x 10 mm 1.4826 (7 pieces) Remaining cooling section: 133.0 x 4 mm St 37 Max. permissible roll hearth load at a working temperature of 920 °C and even distribution of the hearth: 350 kg/m Furnace floor: Refractory lightweight brick: 130 mm Insulating bricks: 130 mm Mineral fibre board: 50 mm Side: Refractory lightweight bricks: 230 mm Mineral fibre board: 100 mm Ceiling: Suspended ceiling bricks and wool insulation 330 mm Ceiling thickness Ring bricks for roller passages made of fibre material Number of control zones: 6 (gas-heated) Operation of control zones: - (gas-heated) ON/OFF, with round-the-clock



control - (electrically heated) ON/OFF, with thyristor control Thermocouples: NiCr-Ni Temperature recording range: 0 - 1,000 °C Temperature control measuring range: 0 - 999 °C Working temperature range: 450 - 950 °C Max. working temperature: 950 °C Throughput speed: 7.5 - 150 m/h

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Photos & Documents

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