



PRIVATE TREATY SALE



COMPLETE 12T SPECIALTY STEEL MELTSHOP

EAF / AOD / VD CONFIGURATION



For more information, please visit www.projects-krudoind.com

Sale Details

A compact, high-spec meltshop originally installed for low- and medium-alloy steel ingot production. The meltshop was commissioned in 2007 and mothballed in mid-2010 following the global financial crisis. It has been held in dry preservation since, with OEM drawings, electrical diagrams, and operating manuals available for most key systems.

Equipment included:

✓ (1983) Mannesmann DEMAG

12.4 t Electric Arc Furnace

Drawings included to uprate capacity to 16.6 t.

✓ (1981) Mannesmann DEMAG

8t AOD Converter

Designed for alloy-steel and stainless applications.

✓ (2008) 12 t Vacuum Degasser

Twin-tank unit equipped with Boc Edwards IDX1000 dry-pump system

✓ (1983) TAMINI Main Transformer

Capacity: 10000 kVA

✓ Complete Extraction & Bag House System

✓ Scrap Charging Buckets × 4

Each measuring 1730 mm × 1310 mm.

End Products
Low and Medium-Alloy Steel Ingots



*Photo for illustrative purposes only. Actual item may differ.

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Location

SOUTH AFRICA



Inspection Visits

BY APPOINTMENT ONLY



Sales type

PRIVATE TREATY

For more information, call +31 20 261 8935

(1983) MANNESMANN DEMAG 12.4 T ELECTRIC ARC FURNACE



Manufacturing Process

1. Scrap Charging

- Four 1.7 m × 1.3 m buckets feed the 12.4 t EAF.

2. Melting (EAF)

- Ultra-high-power AC furnace, tap-upgrade drawings to 16.6 t

3. Primary Refining (AOD 8 t)

- Argon/O₂ decarburisation for low- & mid-alloy steels, full tuyere system and control valves included.

4. Secondary Metallurgy (VD)

- 12 t Vacuum Degasser with Boc Edwards HV 30 000 booster and IDX1000 dry pumps (ultimate vacuum 5×10^{-2} mbar).

5. Casting

- Casting was carried out into ingot moulds
- Layout allows straightforward integration of a ladle furnace or continuous caster if desired.



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(1981) MANNESMANN DEMAG 8 T AOD CONVERTER



(2008) 12 T VACUUM DEGASSER TWIN-TANK UNIT



(1983) TAMINI MAIN TRANSFORMER

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