



PRIVATE TREATY SALE



# COMPLETE 12T SPECIALTY STEEL MELTSHOP

EHF / AOD / VD CONFIGURATION



For more information, please visit [www.projects-krudoind.com](http://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.

Martin Kolodziejczyk  
☎ +31 6 54 11 54 13  
mkolo@krudoind.com

Darko Pepovski  
☎ +31 6 55 29 29 00  
pepovski@vbdindustrial.com



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/O<sub>2</sub> 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  $5 \times 10^{-2}$  mbar).

### 5. Casting

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





**(1983) MANNESMANN DEMAG 12.4 T ELECTRIC ARC FURNACE**



**(1981) MANNESMANN DEMAG 8 T AOD CONVERTER**



**(2008) 12 T VACUUM DEGASSER TWIN-TANK UNIT**



**(1983) TAMINI MAIN TRANSFORMER**