

## The Technology Edge – Equipment and Facilities

### Hot Induction Bending Machine

**Make:** Cojafex, The Netherlands  
**Model:** PB 1400 R

**Capacity**  
**Outer Diameter** : 4" to 56"  
**Thickness** : 5 to 100 mm  
**Bend Radius**  
**(0°-90°)** : Max.10200 mm  
**(90°-180°)** : Min. 150 mm  
: Min. 1700 mm

**Advantage:** CNC- controlled motion with precise temperature monitoring & control to ensure high quality bends.



### Welding Processes



**Make:** Lincoln, USA  
**Model:** Powerwave AC/DC1000SD

**Advantage:** Ensures higher weld productivity with superior and consistent quality.

### Induction Heating

**Make:** Miller, USA  
**Model:** Proheat 35

**Capacity**  
**Input power** : 400 V AC, 3 Ph  
**Output power** : 35 KW 100% DC,  
5-30 KHZ

**Advantage:** Ensures uniform heat distribution across the thickness of pipes during pre/post-heating and stress-relieving.



### Painting Enclosure



**Make:** Redemaco Engineering

**Specifications**  
**Size** : 13 m X 6 m X 5 m  
**Door Opening** : 6.4 m X 5.5 m  
**No of Guns** : 4  
**Type** : Airless

**Advantage:** Indoor in-house facility ensures uniform surface coating thickness.



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### Heat Treatment Furnace

**Make:** Seco Warwick

**Specifications**

**Type** : Gas Fired  
**Control** : SCADA  
**Load Capacity** : 70 MT  
**Temperature** : 1150°C  
**Size** : 12m X 6m X 3.6m

**Advantage:** In-house furnace with SCADA-based control system ensures temperature uniformity and high quality heat-treatment.



### Edge Preparation Machine



**Make:** SAFOP, Italy  
**Model:** TUB MATIC-1200 CNC

**Capacity**  
**Outer diameter** : 89 to 1200 mm  
**Thickness** : Max. 100 mm  
**Length** : 16000 mm

**Advantage:** CNC controlled mechanism helps achieve high accuracy narrow / ultra-narrow groove edge preparation.

### Blasting Enclosure

**Make:** Redemaco Engineering

**Specifications**

**Size** : 13 m X 6 m X 5 m  
**Door Opening** : 6.4 m X 5.5 m

**Advantage:** Indoor in-house facility ensures superior external and internal surface preparation.





# The Quality Edge – Testing Systems

PMI Testing



TOFD Testing



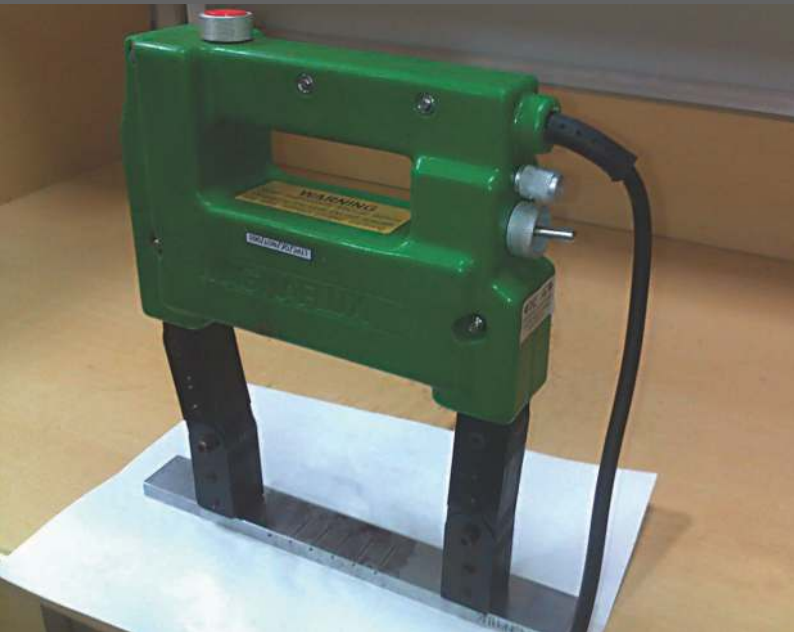
Hardness Testing



Y-RT Enclosure



Magnetic Particle Testing



Ultrasonic Testing

