



Scandiuzzi Steel Constructions at Brindisi #1

New PWHT Furnace



What are the special services provided by Scandiuzzi?

Scandiuzzi is equipped with a new PWHT furnace

The Heat treatment Furnace at only 1 Mi from the Yard!

The new PWHT furnace it's officially in operation at Brindisi #1 workshop. The new furnace with cart bottom will allow thermal treatment of Scandiuzzi branded items by extending the welding joints, remove residual stresses and micro-structural changes that occur after welding has been completed. All in a single solution even for the heaviest and most bulky items.

At Scandiuzzi, we use only extremely reliable, high-velocity burners that also have low NOx emissions. Maximum operating temperature is **800°C (1472°F)**.

Uniform heat treating is absolutely vital to quality and reliability, and is achieved at the soak temperature **± 4°C (±39°F)**, with soak rate **100°C/h (212°F/h)**.

Cart-bottom design is "in-and-out," where the items are loaded on a track-mounted cart, which is after placed into the furnace to form the

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This is an important results for Brindisi #1 workshop, which will reduce time and cost for the heat treatment of tanks, heat exchangers, pressure vessels, columns,

bottom of the heating chamber. Internal usable dimensions are **18m (59') long x 8m (28') wide x 8m (28') high** with capacity **20.000 Kg/Sq.m (4097 pounds/Sq.ft.)**.

stacks, etc. Facilitated also by the closed access to the Brindisi yard (only 1 Mi), which is increasingly used for sea shipments by Scandiuzzi.



Common furnace services include:

- ✓ Hydrogen Removal
- ✓ Normalizing Heat Treatment of steel
- ✓ Post Weld (Stress Relieving, Annealing & Tempering)
- ✓ Coating Curing
- ✓ Refractory Drying

For more information go to www.scandiuzzi.it

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