

PRESS RELEASE

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Tenova was Contracted for Large Aluminium Recycling Furnace by Fonderie Pandolfo

Essen, February 18, 2019 – Tenova LOI Thermprocess, supplier for custom-made heat treatment lines and furnaces and specialist for recycling plants for contaminated aluminium scrap, has received an important order from Fonderie Pandolfo, Italy, for the delivery and installation of a Twin-Chamber Melting Furnace TCF®.

Fonderie Pandolfo is the recycling and melting enterprise within the Panalco Holding, specialized in processing of aluminium, mainly for extrusions. The casted billets are mainly extruded in the extrusion shops of the main European extruders.

Currently, over 60,000 tons of refined and recycled aluminium are molten and cast into semi-products. Fonderie Pandolfo already operates a set of TCF® and casting furnaces supplied by Tenova LOI Thermprocess in 2008. The new installation will double the production rate, aiming to satisfy the continuous market requests.

The TCF®, with a capacity of 65,000 tons/year, is designed for aluminium scrap recycling. In order to cover a broad range of scrap and contamination degree, the TCF® combines pre-treatment and melting in one furnace.

The beneficial TCF®-process relies on the efficient melting by limiting dross formation due to pre-treatment, while the evolving Volatile Organic Contents (VOCs) are combusted completely in the furnace to decrease the overall energy consumption and fulfill the most restrictive environmental regulations.

By combining regenerative air heating (CCR) and optimized thermal treatment of the organic scrap components, this proven furnace technology reaches an unmatched grade of energy and metal efficiency. A sophisticated automation technology, applied by Tenova LOI Thermprocess with the aim to streamline a fully automatic charging machine, increases efficiency further.

The scope of supply contains the turnkey-installation, including a state-of-the-art flue gas treatment plant.

The TCF® is expected to go into operation at the end of 2019.

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About Tenova

Tenova, a Techint Group company, is a worldwide partner for innovative, reliable and sustainable solutions in metals and mining. Leveraging a workforce of over three thousand forward-thinking professionals located in 22 countries across 5 continents, Tenova designs technologies and develops services that help companies reduce costs, save energy, limit environmental impact and improve working conditions.

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