

PRESS RELEASE

Launch of the new nitriding & carbonitriding cell from ECM Technologies

ECM TECHNOLOGIES, a leading provider of innovative heat treatment and thermochemical processing solutions, announces the launch of its new “CCN” furnace, a next-generation solution designed to help manufacturers improve process performance while reducing energy consumption.

Combining a cold-wall, graphite-free design, high thermal uniformity and adapted to the key modular concept by ECM, the CCN has been engineered to meet the evolving requirements of industrial heat treatment – where productivity, energy efficiency and operational flexibility are becoming increasingly critical.

NEW CELL FOR NITRIDING

DESIGNED TO GROW



The CCN is designed for nitriding, nitrocarburizing and carbonitriding applications, as well as dry oxidation. For carbonitriding processes, the furnace can be combined with a graphite cell for the carburizing phase, providing a flexible solution capable of addressing different process requirements within a single system architecture.

The CCN offers a 1,000 × 610 × 750 mm load capacity and operates from 400°C to 1,000°C, with high thermal uniformity and 150 kW convection heating.

It supports both atmospheric pressure and primary vacuum, providing flexibility for a wide range of industrial applications.

The development of the CCN was driven by a clear objective : to provide manufacturers with a furnace that delivers higher productivity, lower operating costs and greater flexibility, while making day-to-day operation and maintenance easier.

“We developed this new equipment because our customers are facing increasingly demanding production and energy challenges. They need equipment that can process faster, consume less and remain easy to maintain over its lifetime. The cold-wall, graphite-free design of the CCN, combined with its modular architecture, allows us to address these needs while giving our customers greater flexibility to adapt their equipment as their production requirements evolve.”

Arthur Pelissier, CEO, ECM Technologies

EFFICIENT ✕ PERFORMANT ✕ SCALABLE

CHOOSE MODULAR



CCN - HEAT TREATMENT CELL FOR NITRIDING & CARBONITRIDING

ABOUT ECM TECHNOLOGIES

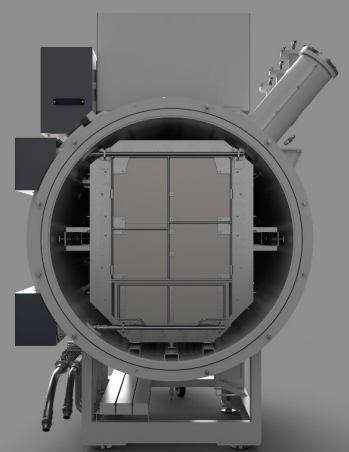
ECM TECHNOLOGIES, Grenoble - France (450 employees, 100M€ of Revenue in 2025) designs and manufactures vacuum heat treatment furnaces. ECM's mastery of thermal processing and equipment allows it to offer turnkey solutions for various applications, and to diversify according to the needs of numerous industries such as : Defense, Automotive, Aeronautics, Electronics and Nuclear applications. Over the past years, ECM Technologies has strengthened its world leading position in Low Pressuer Carburizing applications and now opens a new possibility to manufacturers with this new cell to always go further in terms of multiprocesses and modularity.

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