

NANO

THE SUSTAINABLE
AND COMPACT HEAT
TREATMENT ALTERNATIVE
TO MESH-BELT FURNACES



ECM
TECHNOLOGIES

NANO system is integrated into the production line and allows you to reduce cycle times while simplifying the flow between machining and heat treatment. The footprint of this low-pressure industrial installation has been reduced to a minimum thanks to the superposition of the cells. This makes it a flexible, compact installation with improved productivity and the best processing quality. Perfect as a substitute for atmospheric mesh-belt furnaces, the NANO guarantees clean, safe and efficient treatment of bulk parts.



- E-Mobility (hybrid and EV)
- Aeronautics
- Industrial Tooling
- Hydraulic Systems
- Mining Applications
- Marine Industry

ADVANTAGES

- Efficient **bulk** treatment
- **Compact** system thanks to the superposition of the cells
- High **reproducibility**
- Easy **integration** into workshops
- Automated processing thanks to ECM robotics



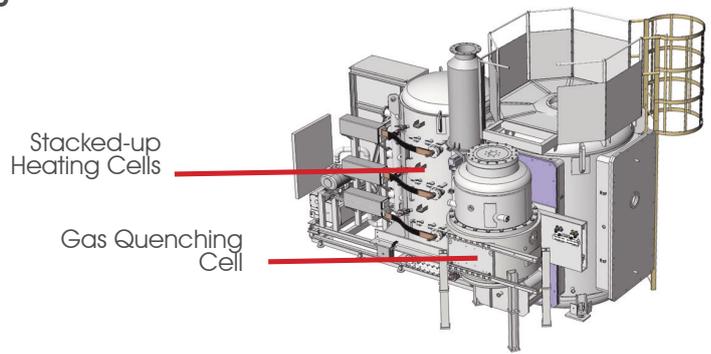
Agente
in Italia

silco

Quinta Strada 9 - Interporto SITO - 10040, Rivalta di Torino (TO) - Italia
Tel. +39 011 3972930 - info@silcotorino.it - www.silcotorino.it - www.silcotorino.com

LAYOUT & PROCESSES

- Low pressure carburizing
- Hardening
- Brazing
- Sintering
- Gas quenching



EASE OF INTEGRATION

The NANO system has been designed to maximize its compliance with robotics, making it an easily integrated solution. The automation allows complete autonomy in the transfer of parts from one station to another and reinforces the efficiency of production in a compact space. The furnace, process and robotics eco-system enables manufacturers to achieve their objectives of profitability, flow optimization and quality.



NANO loading by ECM ROBOTICS

TREATMENT CAPACITY

| LOAD | Gross Load | Width | Depth | Height |
|-----------------------------------|------------|--------|--------|--------|
| | 100 Kg | 500 mm | 600 mm | 250 mm |
| 1 or 2 modules of 3 heating cells | | | | |

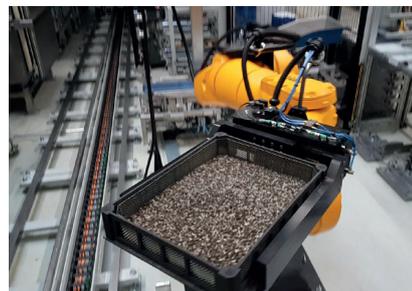
| LOAD | Gross Load | Width | Depth | Height |
|-----------------------------|------------|--------|--------|--------|
| | 100 Kg | 500 mm | 600 mm | 150 mm |
| 1 module of 6 heating cells | | | | |



ECM TECHNOLOGIES
Tel.: +33 (0)4 76 49 65 60
info@ecmtech.fr



ECM USA, INC.
Tel.: +1 262 605 4810
info@ecm-usa.com



ECM (CHINA) CO. LTD.
Tel.: +86 10 85802642/3 ext.101
contact.b@ecm-china.com



ECM FURNACE INDIA PVT. LTD.
Tel.: +33 (0)4 76 49 65 60
info@ecmtech.fr



ECM KAZAKHSTAN. LLP.
Tel.: +7 7172 990 440
info-pv@ecmtech.fr

www.ecm-furnaces.com

Agente
in Italia

silco

Quinta Strada 9 - Interporto SITO - 10040, Rivalta di Torino (TO) - Italia
Tel. +39 011 3972930 - info@silcotorino.it - www.silcotorino.it - www.silcotorino.com