

NANO

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



ECM
TECHNOLOGIES

The ICBP® Nano 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 belt furnaces, the ICBP Nano guarantees clean, safe and efficient processing of bulk materials.



- E-Mobility
- Aeronautics
- Industrial Tooling
- Hydraulic Systems
- Mining Applications
- Marine Industry

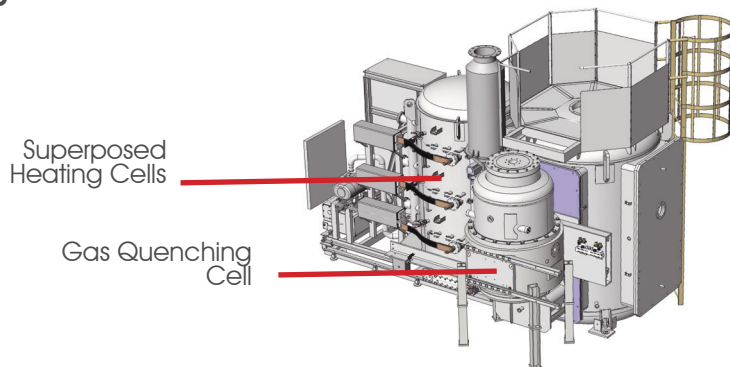
AVANTAGES

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



LAYOUT & PROCESSES

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



EASE OF INTEGRATION

The ICBP Nano System has been designed to maximize its compatibility 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.



TREATMENT CAPACITY

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

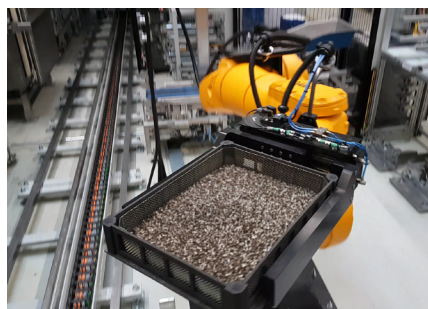
LOAD	Gross Load	Width	Depth	Height
	100 Kg	500 mm	600 mm	150 mm
1 module of 6 heating cells				



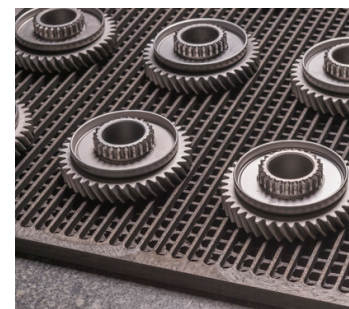
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