

PRODUCT CATEGORIES: tooling & machinery, design & engineering

CLIENTS: OEM, Tier 1, Tier 2, heat treatment industry

Heat Treatment Supplier for Automotive and Aerospace Industries.

NITREX is a Novacap portfolio company and the leading global provider of fully integrated heat-treating solutions and technologies. Their portfolio is built on proven science and technology to enhance material strength and optimize performance.

Main competitive advantage/differentiator: the company has its own furnace manufacturing facility in Poland, an R&D facility for designing control and monitoring processes and flows in Canada, and a growing network of companies rendering heat treating services around the world, including Queretaro, Mexico. Nitrex has become a force for change in the heat treatment industry, from a mobile app for second-by-second monitoring and reporting to AI-assisted management of operations based on a groundbreaking SAAS model.

Products: manufacturing of furnaces for heat treatment.

Services: heat treatment services to increase resistance to fatigue, corrosion and friction on metallic parts.

PRODUCTS FOR:

Autoparts: engine; drivetrain; suspension, steering; wheel and tire; axle, brake, body control; drivetrain system (EV, HV, FCV); small, general parts; other components.

Machinery: engine; drivetrain; suspension, steering; wheel and tire; axle, brake, body control; drivetrain system (EV, HV, FCV); small, general parts; other components.

CAPABILITIES:

Five NX pit-type furnace series. The heavy-duty NX Pit is the flagship of the company's range of nitriding and nitrocarburizing furnaces. Its innovative design incorporates four controlled heating zones that ensure optimal temperature uniformity inside the retort, typically +/- 5 °C (9 °F) or better. The furnaces are designed for fast heating rates and uniform temperature throughout the load.

CERTIFICATIONS & HIGHLIGHTS:

ISO 9001:2015, IATF16939:2016, AS9100D:2016, CQI-9 determined and NADCAP approved. Two quality Queretaro state awards (Canacintra's Business Merit Award).



Plants: Queretaro

PROCESSES FOR:

Autoparts: heat treatment, gas nitriding and gas nitrocarburizing (a.k.a. FNC) to increase the life expectancy of parts, molds and dies.

Tooling & Machinery: heat treatment, gas nitriding and gas nitrocarburizing (a.k.a. FNC) to increase the life expectancy of parts, molds and dies.

Gauges, Fixtures, Jigs: heat treatment, gas nitriding and gas nitrocarburizing (a.k.a. FNC) to increase the life expectancy of parts, molds and dies.

Raw Materials: heat treatment, gas nitriding and gas nitrocarburizing (a.k.a. FNC)

Others: heat treatment, gas nitriding and gas nitrocarburizing (a.k.a. FNC)

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