

One of the largest nitriding furnaces ever built has recently been unveiled at Nitrex Inc. – Michigan Operations. The equipment is capable of running potential-controlled nitriding (Nitreg®), nitrocarburizing (Nitreg®-C), and in-process post-nitriding oxidation (ONC®).

The furnace caters to various customers requiring processing of large loads, with either very large batches of small parts, or very large components such as gears, forming dies, or pieces of industrial machinery.

Nitriding and nitrocarburizing, particularly when controlled in accordance with technologies belonging to the “Nitreg®” group, is either a defined process for various parts, or it is an alternative that may be considered for pieces that are normally carburized, carbonitrided, induction hardened, chrome-plated, or coated in some other manner. The process is characterized by low distortion and excellent control of metallurgical properties.



**Nitrex solutions minimize emissions and energy usage and limit harmful waste products.**



*Furnace has a cuboid work zone measuring 17' x 8.5' x 7' and can run loads weighing up to 55,000 lbs.*



**Industrial Applications**

- Aerospace**
- Automotive**
- Chemical & Refineries**
- Nuclear**
- Pulp & Paper**
- Windpower**

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