NITRIDED COMPONENTS

EAGLE

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NITRIDED COMPONENTS

PROCESS

- **QPQ** (Quenched Polished Quenched)
- **CLIN** (Controlled Liquid Ionic Nitriding)
- ENVIRONMENT FRIENDLY

APPLICATIONS

- MARINE
- MILITARY
- INDUSTRIAL
- REFUSE/WASTE
- SNOW EQUIPMENT
- MATERIAL HANDLING
- CONSTRUCTION EQUIPMENT
- HIGH EXPOSURE TO ELEMENTS

FEATURES

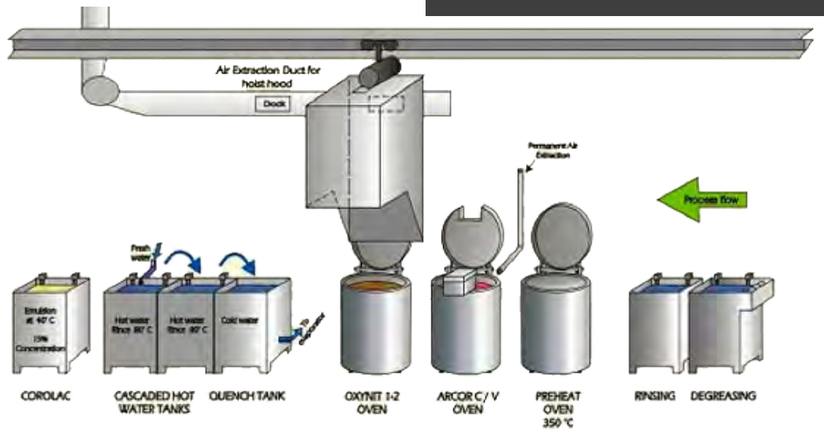
- EXTENDED SEAL LIFE
- ARCOR LIQUID NITRIDE
- SUPER POLISHED FINISH
- IMPROVED OIL RETENTION
- DECORATIVE BLACK FINISH
- ENVIRONMENTAL PROCESS
- SUPERIOR WEAR RESISTANCE
- INCREASED SURFACE HARDNESS
- EXCELLENT FRICTION PROPERTIES
- EXCELLENT CORROSION PROTECTION
- DENT RESISTANT, SURFACE HARDNESS
- EXCEEDS 100 HRS SALT SPRAY TESTING
- BEST NITRIDE PROCESS IN THE INDUSTRY
- NO PITTING, FLAKING OR MICRO CRACKING

APPLICATION
SNOW EQUIPMENT

APPLICATION
REFUSE TRUCKS CART TIPPER

Liquid Nitriding is a surface treatment process that produces a black in color finish that is very hard and corrosion resistant. It combines a high surface hardness with increased corrosion resistance. The process begins with the cleaning and super-polishing of the material to a surface roughness of 6 to 10 Ra. The steel bars or components are then fixed vertically, and submerged into an electrically controlled liquid tank. The steel surface is then transformed into iron nitride to a typical depth of 0.001 inches.

NITRIDING PROCESS



Black nitriding is an atmospheric furnace treatment which combines dual corrosion resistance of nitriding and oxidation with high surface hardness. The process begins with the cleansing and super polishing of the material to a surface roughness between 6 to 10 Ra. The components are fixed vertically & lowered in an electrically heated pit furnace. The furnace aspect of the procedure comprises the nitrocarburizing of steel in an ammonia atmosphere within a temperature of 1150 degree Fahrenheit. The steel surface is then transformed into iron nitride to a typical depth of 0.001 inches. It is then followed by an atmospheric oxidization of steel with the purpose of producing a black corrosion resistant film over it.

"NITRIDING PRODUCES A SURFACE FINISH THAT IS VERY HARD, CORROSION RESISTANT, ENVIRONMENTALLY FRIENDLY & COST EFFECTIVE ALTERNATIVE THAT OFFERS EXCELLENT PERFORMANCE WHEN COMPARED TO HARD CHROME PLATING."

APPLICATION
CONSTRUCTION EQUIPMENT

EAGLE

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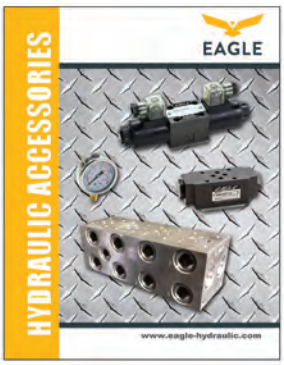
APPLICATION
TARPER SYSTEM

OUR CATALOGS



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