

# General Magnaplate

Smart Coating Solutions® Worldwide

## BENEFITS

- Exhibit superior release properties
- Prevent buildup of glue or adhesive on equipment
- Eliminate need for sprays or other release agents
- Customized smooth or rough
- Wear resistance can be matched to application
- Offer superior resistance to corrosion and wear
- Will not scratch, chip, flake, or rub off
- Dramatically reduce downtime
- Permit increase in production speeds
- Low temperature application

## TYPICAL APPLICATIONS

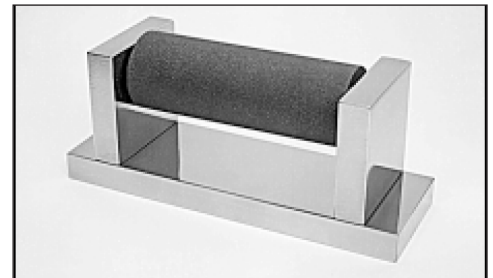
- Peeler bars
- Rolls
- Sealing bars
- Guides
- Slitters
- Knives
- Hoppers
- Chutes

# Magnaplate TNS®

## Non-Stick, Release Coatings Prevent Buildup of Residue on Adhesives, Tape and Labeling Equipment Metal Parts

MAGNAPLATE TNS coatings solve the “sticky substance” problems encountered so often in all segments of the adhesive industry — adhesive formulating, label printing, tape manufacturing, and converting. These high tech “synergistic” coatings are custom designed to act as a release system for all types of metal parts which come in contact with adhesives. TNS coatings stop residue buildup and prevent pressure-sensitive tapes from adhering to rollers or other parts. They eliminate cleaning delays and downtime that plague you, and help you meet critical production schedules.

The TNS series of surface enhancements was developed to extend the non-stick capabilities of two existing Magnaplate coatings, PLASMADIZE® — The Next Generation in Thermal Spray Technology, and NEDOX®, a super-hard, dry-lubricated “synergistic” coating for ferrous metals and aluminum. The decision on whether a NEDOX-based TNS or a PLASMADIZE-based TNS coating is recommended depends upon the specific application, substrate metal, and operating conditions. TNS versions of PLASMADIZE and NEDOX also offer resistance to wear and corrosion, and greatly improve the performance of metal parts.



*MAGNAPLATE TNS-coated roller exhibits superior resistance to any adherence by pressure sensitive tape*

## ENGINEERING DATA AND PERFORMANCE CHARACTERISTICS

MAGNAPLATE TNS is highly recommended for use in all applications where water-based, solvent-based and hot-melt glue and/or adhesives are present.

COMPARISON OF MAGNAPLATE TNS COATINGS			
Coating	Release	Wear	Smooth Finish
Plasmadize TNS 1401-04	1	3	3
Plasmadize TNS 3011-04	2	1	2
Nedox® TNS	3	2	1

Legend: 1 = Best