

NUCAP



MECHANICAL FRICTION ATTACHMENT TECHNOLOGY  
**NRS-NUCAP RETENTION SYSTEM**

A mechanical attachment system for enhanced friction molding processes;  
dramatically improving shear strength and life-cycle of brake pads.



# NRS-THE GREEN SOLUTION. WHAT MAKES NRS SO GREEN?

From start to finish, NRS technology has been developed to maximize efficiency, while minimizing required resources. NUCAP has examined the typical IM friction manufacturing cycle, and eliminated the wasteful and environmentally harmful steps.

Choosing NRS as a friction attachment technology also eliminates both plate preparation, and the use of chemical adhesives. No chemical adhesive means:

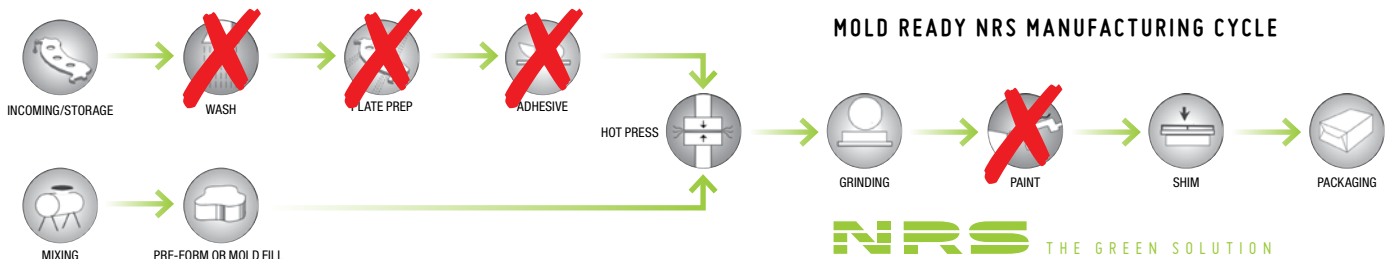
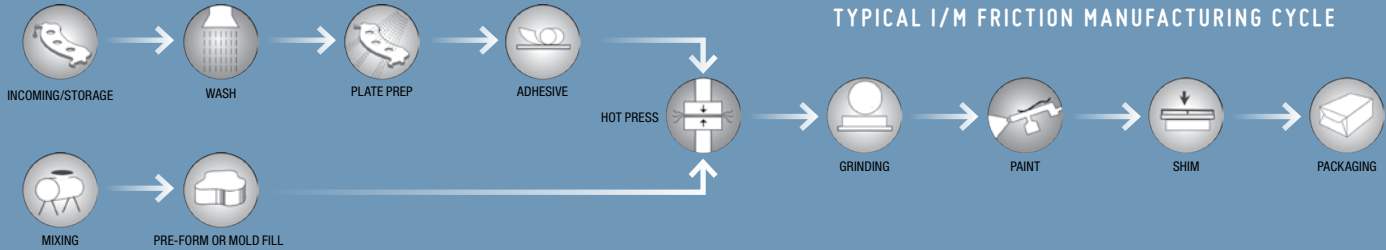
- ▶ no hazardous waste
- ▶ fewer harmful emissions from the production and disposal of the glue

All this also means lower production costs.

NRS superior bonding characteristics make it greener as well. Better hold means:

- ▶ even wear across the friction, increasing the life of the pad
- ▶ customer satisfaction

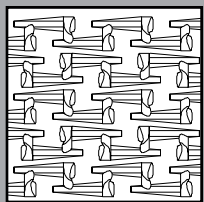
NRS is streamlined, efficient, green manufacturing. NRS is a stronger, longer lasting product. NRS is the superior choice for friction attachment.



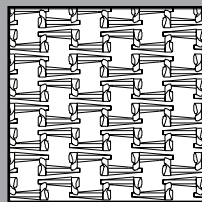
**NRS** THE GREEN SOLUTION

## NRS HOOK GEOMETRY

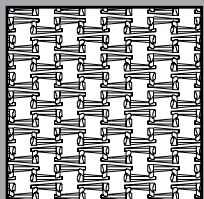
NRS Hooks are engineered to specific tolerances, including height, curl, offset (lateral curl), and density (hooks per cm<sup>2</sup>). Hook Geometry is consistent across all sizes of NRS — HD (CV, Industrial, Racing), Standard (Passenger Cars), Mini (Motorcycles, ATVs, Bicycles), and Micro (Plastics and fine-granulation molded products).



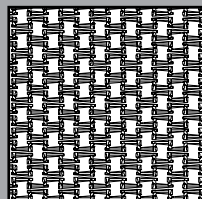
**CV/HD NRS**  
20 Hooks per Sq. In.



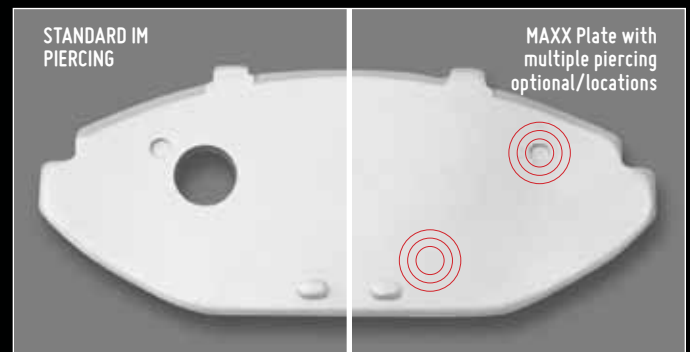
**Standard NRS**  
40 Hooks per Sq. In.



**Mini NRS**  
80 Hooks per Sq. In.



**Micro NRS**  
180 Hooks per Sq. In.



### ALLOWS THE USE OF PIERCING TO "TUNE" THE PLATE

The MAXX plate removes the need for IM holes, or any piercing location specific to friction retention, allowing the addition or removal of plate piercings as per their impact on NVH characteristics of the plate.

For more information on NUCAP's complete line of plate products, please call 416.494.1444

# NUCAP®

www.nucap.com