

# HANNAN DIAMOND DIES A SUPERIOR DIE. OUR DIES "RULE"<sup>TM</sup>

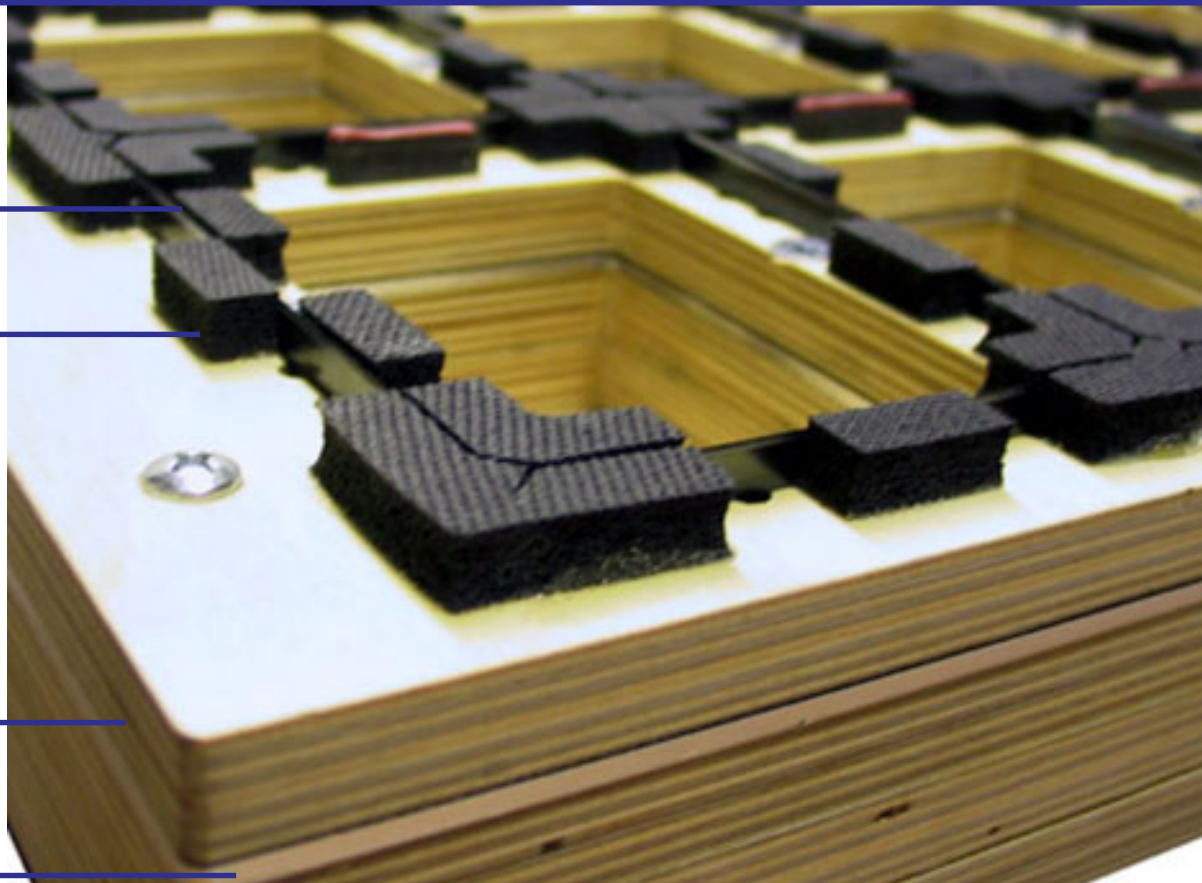
3 Point Steel Cutting  
Rule  
(50% thicker than  
normal 2 pt rule)

High Resilience  
Ejection Rubber

Top Quality, 11-Ply  
Die Board  
(Not Plywood)

1/8" Metal Back Up  
(One Piece, Precision  
Machined)

Adjustable Registration  
Springs for Precise  
Registration



HANNAN<sup>®</sup> DIAMOND DIES GIVE YOU THE BEST IN  
EXPERIENCE, KNOWLEDGE, MATERIALS, AND DESIGN.

## The HANNAN<sup>®</sup> Diamond Die

Quality and Craftsmanship is Job One

# HANNAN<sup>®</sup>

COPYRIGHT 2006 HANNAN PRODUCTS CORP.

# HANNAN® Diamond Dies

The HANNAN position in the die manufacturing industry is special. Not only does HANNAN® make dies, HANNAN also manufactures die cutting machines. This unique position gives HANNAN a true and complete understanding of the relationship between dies and die cutting machines. We have utilized this knowledge to design the best die possible -- the **HANNAN® Diamond Die**.

Diamond Dies are unique in the die cutting industry! The Diamond Die is constructed from interchangeable sections of steel rule die, which interlock with each other to form a rigid, long-lasting die when inserted into the precisely machined base. The base and backup plate are precision machined using our computer controlled technology.

Specific Advantages:

- Repairable.
- Longer Lasting
- Maximum Die Life

In general, steel-rule dies work in extreme environments of pressure, compression, and side-thrust, and HANNAN® Diamond Dies are designed to hold up under these extreme conditions. For a die to survive in this environment, there can be no manufacturing shortcuts or compromises. HANNAN® Diamond Dies represent the best in design, materials and quality manufacturing.

HANNAN dies can help you avoid costly and frustrating downtime and setup problems associated with poorly manufactured dies. Remember that the disappointment of low quality lasts long after the satisfaction of low price is gone.

## WHAT'S IN A HANNAN DIE?

**DIE BOARD** -- The foundation of a steel rule die. HANNAN uses only the best multi-ply, hardwood, 5/8" ( 15.9 mm) die board. The HANNAN die board can handle the side loads that accompany the die cutting process.

**STEEL RULE** -- The actual cutting blade of a steel rule die. HANNAN uses 3 point steel rule with a sharpened and hardened edge. The 3 point steel rule is a heavier grade material and tends to hold up better than the thinner material found in 2 point rule dies.

**BACKUP** -- 1/8" precision machined aluminum. The backup plate must be rigid enough to support the cutting rule under pressure and prevent it from "sinking" into the other wooden boards in the die, however a certain level of flexibility is required to allow for variations in the cutting process. The proper blend of strength and flexibility is very important for extended die life and ease of operation.

**EJECTION RUBBER** -- This helps "eject" the cut material from the die. All HANNAN dies include ejection rubber. This provides a uniform, resilient bed which provides sufficient force to eject the cut materials.

**REGISTRATION SPRINGS** -- These springs are very important and hold the material to be cut in the proper relationship to the cutting die. The use of HANNAN's registration springs provides a positive, simple solution to registration setup problems. The HANNAN registration springs are easy to install and quickly adjusted.

**EXPERIENCE -- KNOWLEDGE -- CRAFTSMANSHIP**

**You'll find them in every HANNAN die.**

The logo for HANNAN, featuring the word "HANNAN" in a bold, italicized, sans-serif font. The letters are black with a white outline, and the "N"s are particularly prominent. A registered trademark symbol (®) is located at the bottom right of the logo.

HANNAN PRODUCTS CORP  
220 NORTH SMITH STREET, CORONA, CA. 92880  
FAX: 1-909-735-1587 / 1-800-954-4666  
HTTP://WWW.HANNANPAK.COM / INFO@HANNANPAK.COM