

Toyo Seiko Signs Agreement with Winoia

TOYO SEIKO has signed an agreement with Winoia for the France-based company to become a distributor for Toyo Seiko's conditioned cut-wire shot. The distribution agreement was signed at Toyo Seiko's manufacturing facility in South Bend, Indiana, USA in September.

This alliance will create an unparalleled value proposition for manufacturers with demanding shot peening processes. Toyo Seiko is the only provider in the world offering cut wire of "HD" (High Durability) quality. This product has a unique and patented production process. Using the HD product, shot peening facilities can now optimize both the total cost of shot peening and their environmental footprint by improving their process efficiency by approximately 30%.

With this agreement, Winoia, an international leader in the manufacturing and distribution of steel abrasives, plans to increase its shot peening sales both in the automotive and in the aerospace industry by leveraging the certifications Toyo Seiko has already been granted by customers such as Boeing, GE, Pratt & Whitney. ●



Photographed from left to right: *Larry Catanzarite*, consultant for Toyo Seiko's business development activities in North America; *Darin Gleason*, North America Zone Managing Director at Winoia; *Joan Samuel*, Head of Global Product Management at Winoia; *Dr. Yoshihiro Watanabe*, Toyo Seiko's President and CEO; *Shota Watanabe*, Vice President of Toyo Seiko North America.

Rotary Flap Peening Equipment

The following are helpful hints and critical information for the 3M rotary flap peening equipment from Electronics Inc (EI).



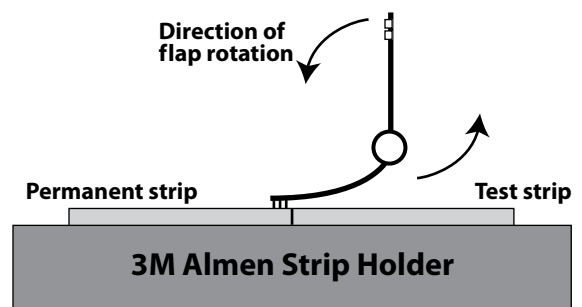
The 3M™ Roto Peen Almen Strip Holder

Do Not Tighten the Brass Screws

The height of the brass screws that hold the floating magnets in place has been pre-set by 3M. The position of the screws allows the magnets to move up and accommodate the arc of the peened Almen strip. If you tighten the screws so that the magnets can't rise, the Almen strip will slip off the holder.

Use the Correct Rotation Pattern

An Almen Strip is permanently attached to the holder surface. It acts as a sacrificial surface so the roto peen flap assembly does not encounter a sharp edge while the test Almen strip is peened. To take advantage of this feature, it is important that the flap is rotated from the permanent strip to the test strip (see illustration below). This rotation pattern will keep the shot from hitting the edge of the holder and dislodging from the flap.



The 3M Rotary Peen Flaps

Clean the Shot Before Peening

Given that these flaps are made by 3M—the global leader in the manufacturing of quality adhesives—it stands to reason that a quality product is used to adhere the shot to the flaps. To ensure a clean peened surface, rotate the flap against sandpaper for a brief amount of time to clean any adhesive off the balls.

Mark the Flap

A spot of paint on the backside of the flap, opposite the side with the shot, will help ensure that you are peening the surface with the shot and not the flap.

For more information, visit www.electronics-inc.com or call EI at 574-256-5001 or 800-832-5653 (USA and Canada). ●