



Slit Perforation Tooling and Machinery



SLIT PERFORATING TOOLING AND MACHINERY

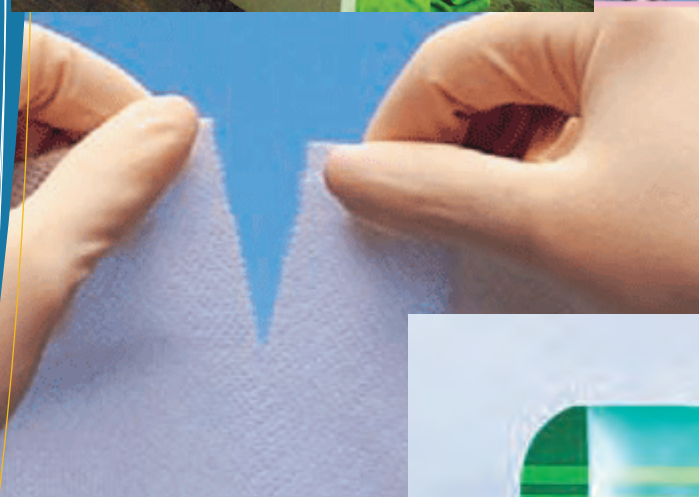
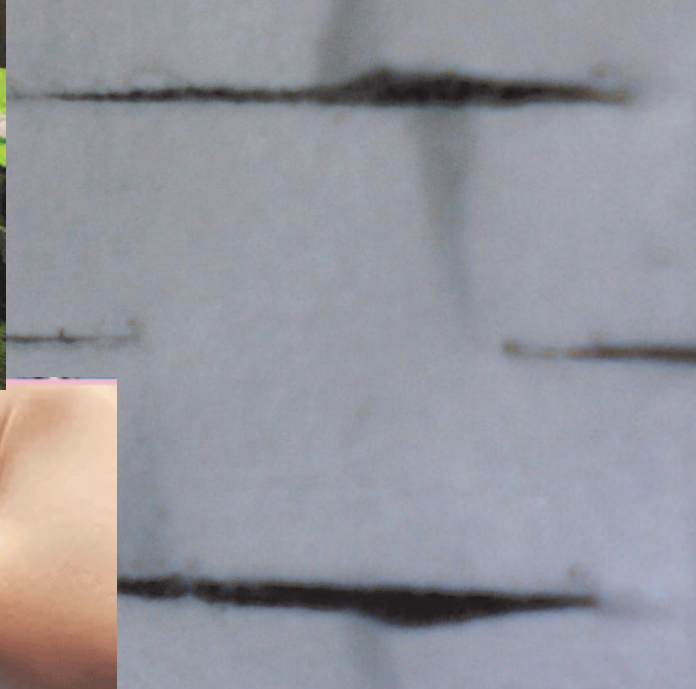
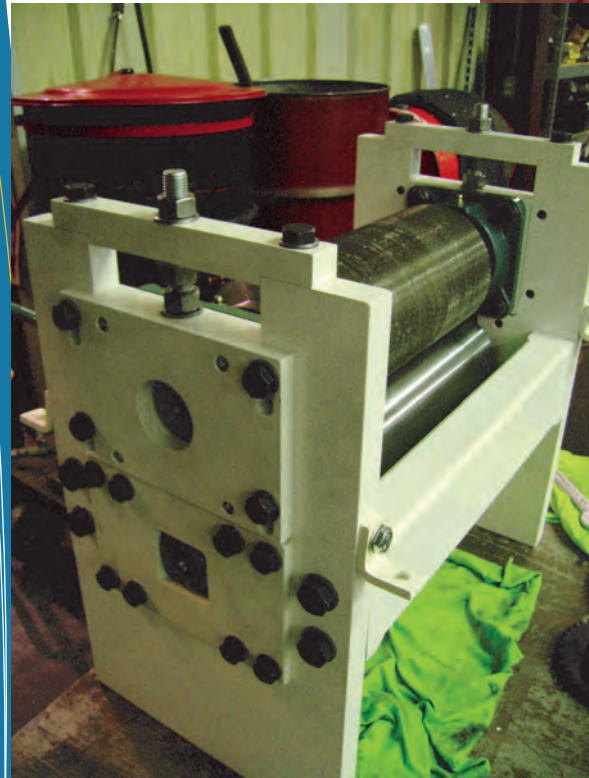


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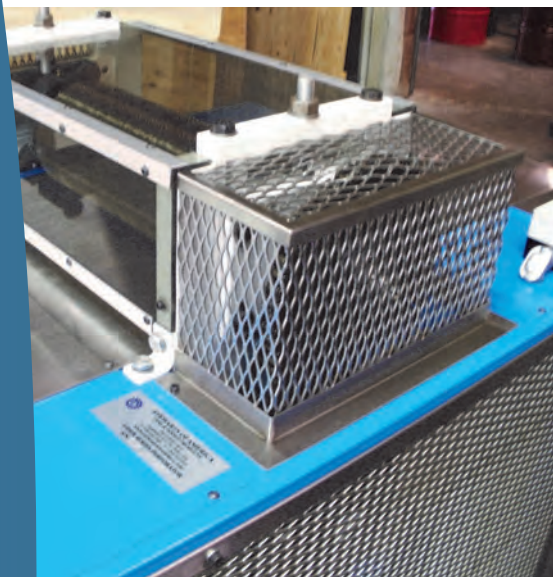


Precision tooling for Precision Slit Perforating

CUSTOM MADE PINNED TOOLING FOR NEW AND EXISTING APPLICATIONS

THE HOLE SOLUTION

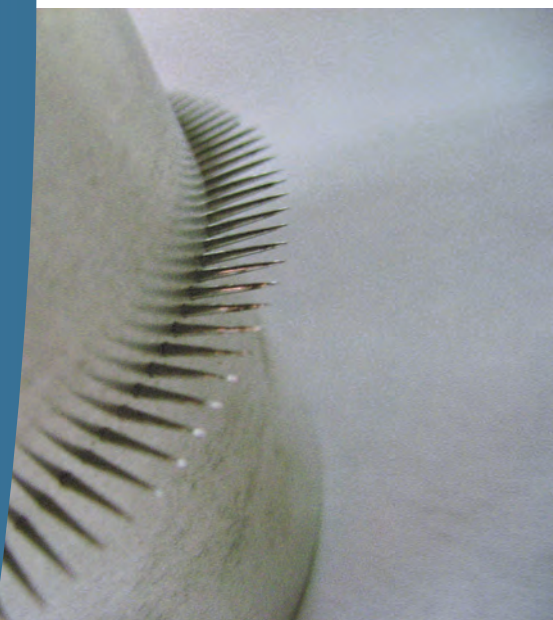
SLITTING TOOLING



Precision slitting tools can be mounted on a mandrill to slit across wide webs. The finished effect looks and behaves like expanded metal. This technique is especially useful when the customer does not want a raised surface. Many automobile headliners are perforated in this manner.

Each slit-perf wheel can be individually mounted to provide a single slit. These slitting heads can be located and locked in place anywhere across the web on the dovetail.

Easy open tear lines and tamper evident seals can commonly use this perforation method.



SLITTING TOOLING:

Max Cylinder Dia: 180mm
Length: 4000mm

A wide range of coatings are available on the various types of slitting tools. From Teflon based Non-stick coatings, to diamond coatings that extend blade life even further than normal.

COMMON APPLICATIONS:

- **FLAT SURFACES**
- **EASY TEAR LINES**
- **CHANGES IN TEXTURE**
- **INCREASING SURFACE AREA**
- **EXPANDED MATERIAL**

SLIT BLADES

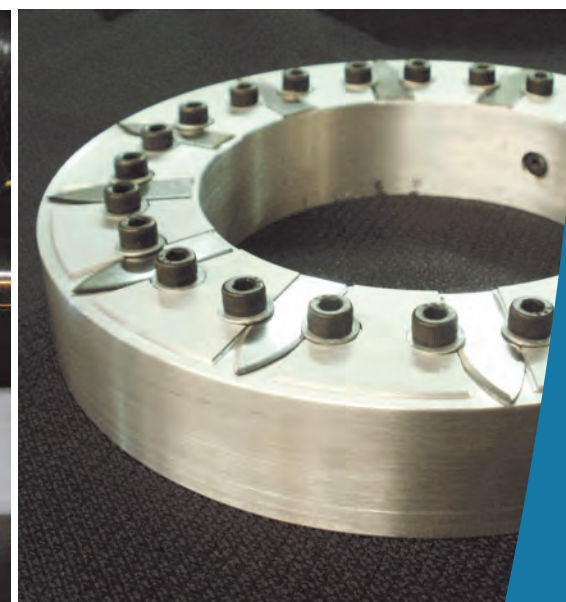
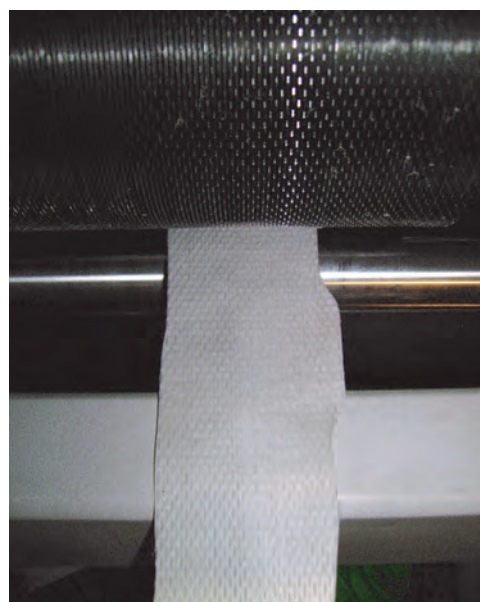
- Slitting blades can be either machined out of a solid piece for shear or crush slit perforating OR can be razor blades that are locked onto a center core.

SCORE OR CRUSH SLIT PERFORATION

- Slit perf blades can be made with various angles of cut depending on the material to be perforated.
- Blades can be mounted in pneumatically actuated heads
- Pneumatic heads are generally mounted to a dovetail that spans the web
- Heads can be locked in place at multiple points across the web if required.

RAZOR SLIT PERFORATION

- Industrial razor slitting, also called burst slitting, is a single knife cutting process in which an ultra-thin, extremely sharp blade, either circular or straight, is held in position while a sheet of material is drawn over the blade. The sharp blade passes smoothly through the material leaving a clean slit hole pieces of material. Razor slitting is not idea for all cutting processes. Typically, rotary shear slitting can achieve much faster cut speeds on most materials.
- The razor blades can be made with various angles and geometries of cut depending on the material to be perforated.
- Razor wheels can be mounted on a mandrill or pneumatic head and located where required
- The wheels can be designed in a manner where a wide array of perforating spacing can be accomplished by the same tool.



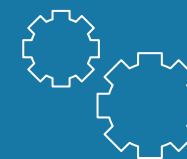
FLEXIBLE INTEGRATION

Stewart's of America pinned tooling for Slit perforating can be a great value add, and is easily integrated into the following standard equipment:

- Extrusion Lines
- Bonding Lines
- Thermoforming Lines
- Slitter / Re-winders
- Simple Unwinds and Rewinds
- Laminators
- Printing Presses
- Bag/Pouch Making Machines
- Post Gusseting Equipment
- and more.....



Flexible Slit-Perf Solutions for your converting needs



CUSTOM SOLUTIONS

Stewart's of America have the ability to design and manufacture a custom perforating solution for your specific application. Stewart's of America's engineers are well versed in a wide range of materials and the effects that perforating has on these materials. From Non-wovens to Films and Foils, Stewart's of America are your partners for the *Hole Solution*.



WEB SOLUTIONS

Visit our comprehensive website for a insight of other innovative Pinned Product solutions Stewart's of America offers the Industry. Signup for our e-newsletter, or download informative brochures at www.StewartsofAmerica.com



GLOBAL SOLUTIONS

Stewart's of America has agents and offices worldwide. We ship to over 50 countries . Our equipment is designed with the global market in mind, utilizing electronic components that are available internationally, with the support of our Stewart's of America trained knowledgeable local agents.