



FLAT URETHANE, RUBBER OR SILICONE ROLLS

- Covered rollers can be re-covered when they wear. Note that covered rollers can particulate, so it is recommended that the user have particulate detection systems downstream of the rollers.
- Stewarts of America can help you with your anvil requirements in several ways:
- Provide us with any existing anvil roller, and we can reverse engineer it and match it with a replacement or alternative.
- Provide us a technical drawing and we can match what you require with a replacement or alternative.
- Let us know what your goals and objectives are, or what parcel size you are restricted to, and we will engineer a solution accordingly.

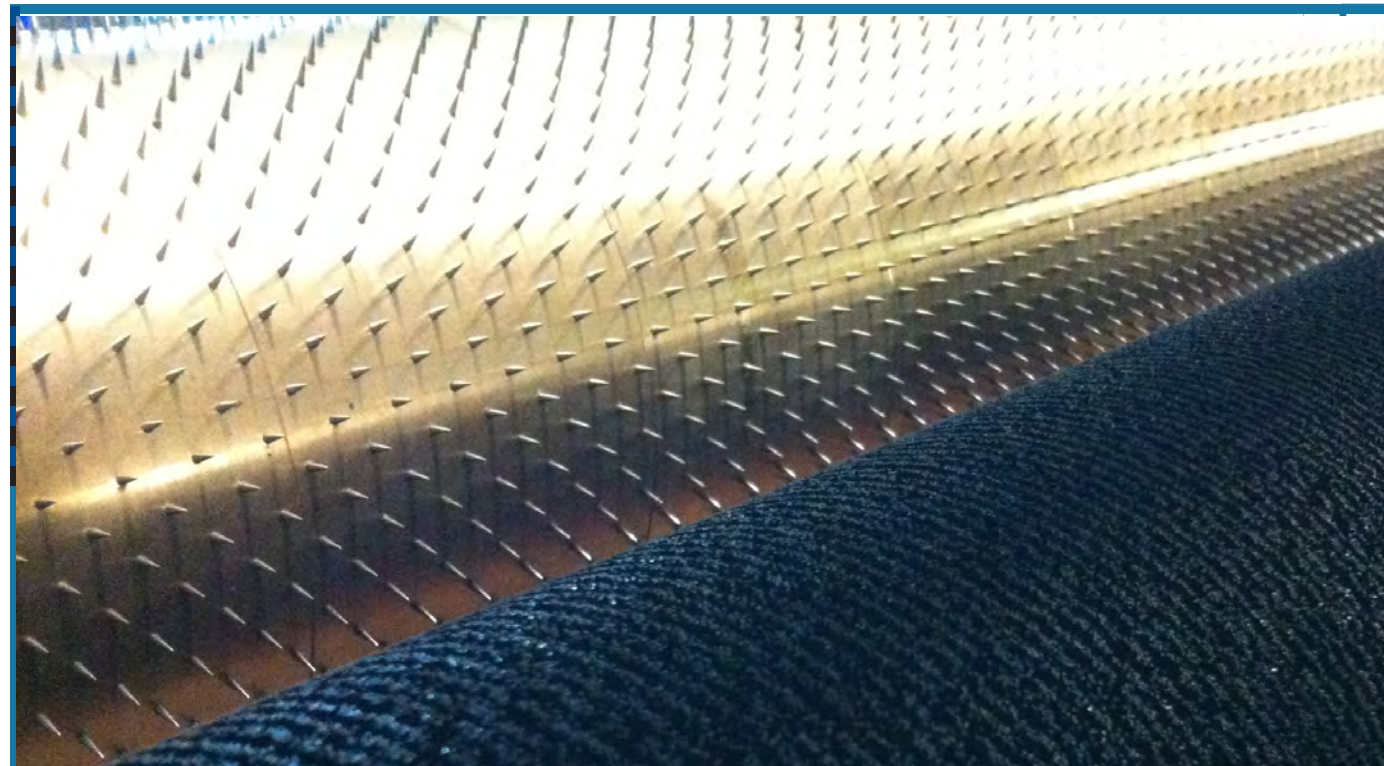


IDLERS, FLAT AND GROOVED

- Stewarts of America manufactures lightweight idler rollers with internal or external bearings.
- Idlers can be made with grooves going in the machine direction or the cross web direction for air ventilation, which allows the web to lay flat on the roller to help resist wrinkling and air trappage.

EXISTING ROLLER REPAIR

- Stewarts of America can:
- Re-machine
- Re-cover
- Re-Bristle
- Re-weld
- Re-furbish



Anvil Rollers and Idlers for Converting

Stewarts of America, Inc.
"On the sharp End of Pinpoint Technology"



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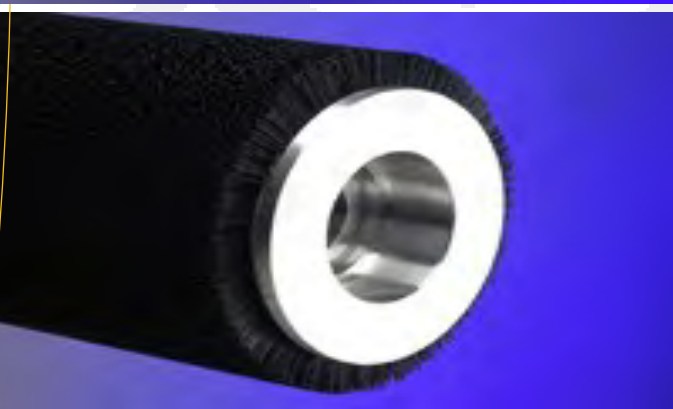
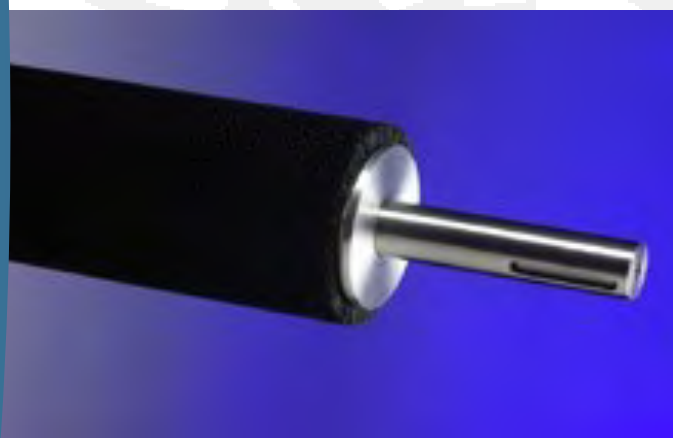
CUSTOM MADE ROLLERS FOR JUST ABOUT ANY APPLICATION

BRUSH ROLLERS

Plastic web manufacturers are rapidly replacing metal anvil rollers with brush rollers. The ultra-tite bristle technology allows for a very high density of bristles to be placed in a square inch/cm.

BRISTLE TYPES

Depending on the application, there are a number of different bristle materials that can be utilized to withstand abrasion, heat, chemicals and other factors.



FLEXIBLE INTEGRATION

Stewart's of America Anvil rollers can be 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.....



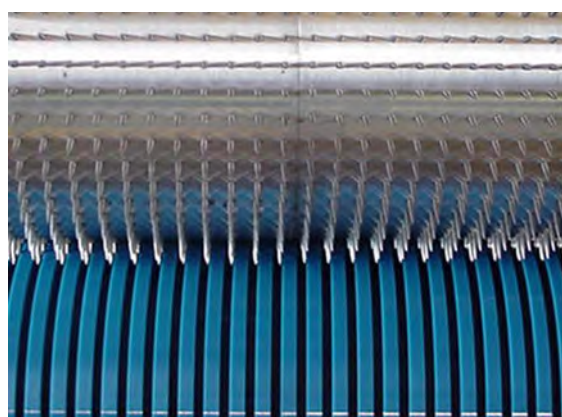
BRUSH ROLLS - PERFECT FOR PERFORATING OR SLITTING!

- Much more accurate support than a grooved roller
- Bristles accept both pins and blades
- Used correctly, the pins and blades don't damage bristles
- Custom made to replace any existing roller
- No need to match male pins and knife points to receiving roll
- Misalignment vertically impossible
- Unmatched web support
- Bristles are kind to blades and pins, resulting in longer tool life
- Accurate, concentric surface
- "Self-healing" on every revolution
- Brush rolls can particulate. We advise particulate detention equipment downstream and / or web cleaning if contamination could be an issue.



FELT AND CORK COVERED ROLLS

- Felt covered rollers can be used for both hot and cold perforating applications, and are an inexpensive solution as a backup anvil roller.
- Felt rollers have great chemical resistance properties, excellent abrasion resistance, and its decent temperature resistance. Drawbacks are that the surface of the roller is not accurate enough for fine perforating. Note that covered rollers can particulate, so it is recommended that the user have particulate detection systems downstream of the rollers.



GROOVED ROLLS

- Aluminum, steel urethane, rubber or silicone covered
- Grooves are precision located to mate up with pins or blades
- Urethane, rubber or silicone can be used as a damage preventative, just in case of operator misalignment
- Grooved rollers can be made in replaceable segments
- Any custom size available
- Less chance of particulation
- Can be used with larger diameter pins



Flexible Solutions for your converting needs



CUSTOM SOLUTIONS

Stewart's of America have the ability to design and manufacture a custom roller solution for your specific application. Stewart's of America's engineers are well versed in a wide range of 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. Sign up 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.