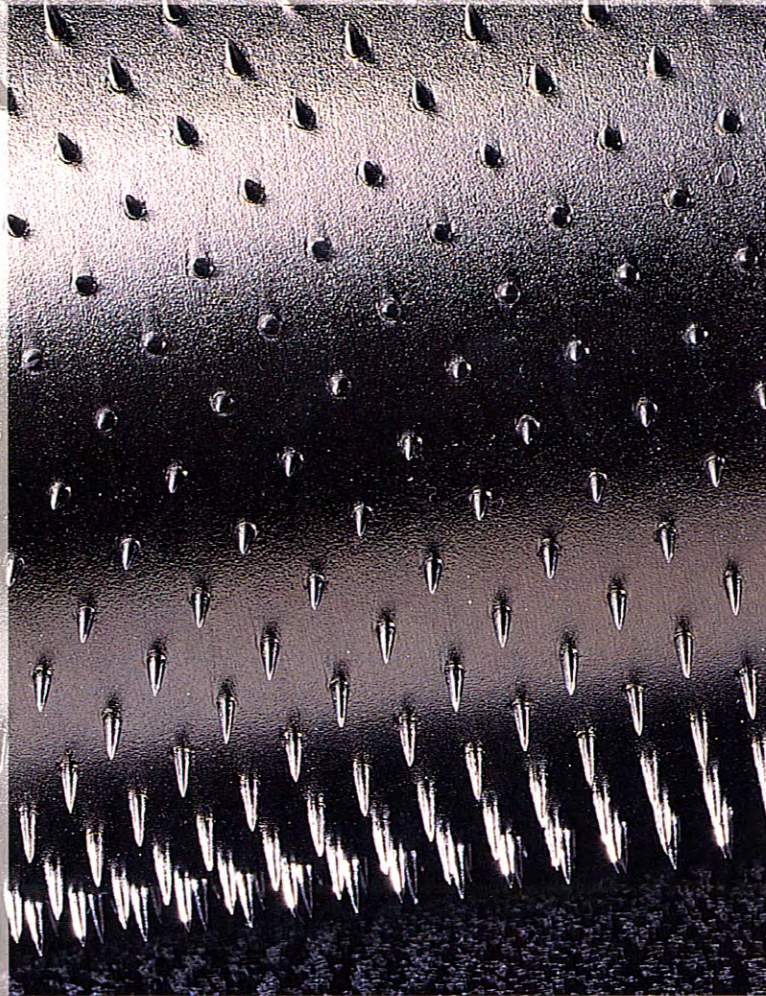




PINNED PERFORATION
ROLLERS & UNITS



FOR
HOT AND COLD PERFORATION

STEWART are the world's leading manufacturer of Pinned Products. Our Pinned Perforating Rollers and Units are accurate, strong and durable, and can easily be added to a production line for hot or cold perforation. They represent a major improvement over conventional products.

After 120 year's experience in design innovation in many different industries, we are now standard supplier to over 35 machinery makers, and regularly export to over 50 countries.

STEWART's experienced design department can provide designs for almost any application, with complete confidentiality.

STEWART PINNED PERFORATION ROLLERS

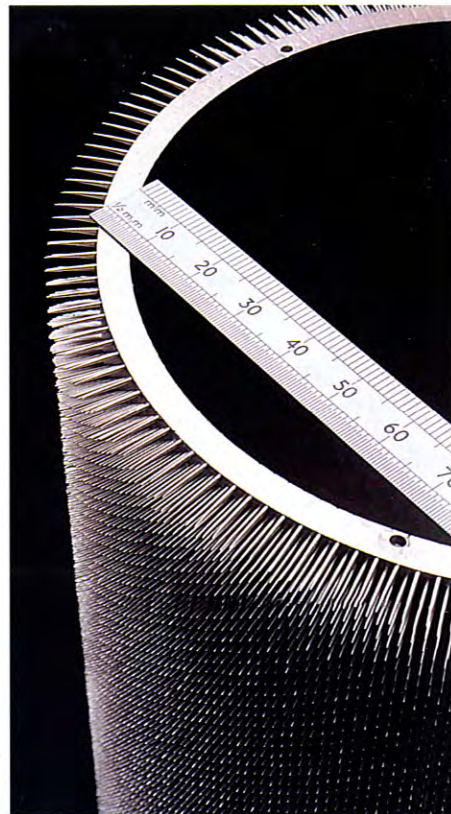
INTEGRATED DESIGN

The pins are securely bonded into an aluminium alloy tube using anaerobic adhesive. This construction is accurate, strong and light, and allows the use of fully toughened, smooth steel pins, with no screw thread required, and no sharp edges to collect debris.



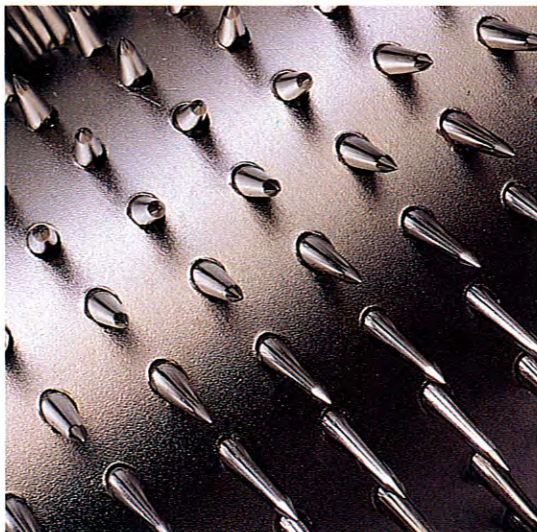
ACCURACY

The accurate and uniform pin-point concentricity ensures even perforation, from a pin prick to the full pin diameter. The improved pin point accuracy makes setting easier and results in more accurate perforation.



CLEAN PERFORATION

The smooth, but sharp pin-point produces a clearly defined hole, with clean running and little drag.



LONG LIFE PINS

The very tough material used for the pins gives exceptionally long life. Our rollers and perforating units have been working in full production on cold perforation for over 10 years without visible signs of wear.

STEWART Micro Perforation of laminated paper sacks and cement bags provides for improved weight content control by allowing air to escape during filling.

STEWART Perforated ventilated film can improve the shelf life of perishable foods by giving a controlled atmosphere around the produce.

LESS DAMAGE, LESS DOWNTIME

The toughness of the pins also greatly reduces the possibility of pin damage, and maintenance is rarely needed. Furthermore, if damage does occur, it can usually be repaired using the STEWART repair kit.

VARIOUS LENGTHS

The pinned tubes can be manufactured in various lengths to give maximum flexibility and localise accidental pin damage. Working widths of up to 2 metres are available as standard, or machinery can be custom designed to individual requirements.

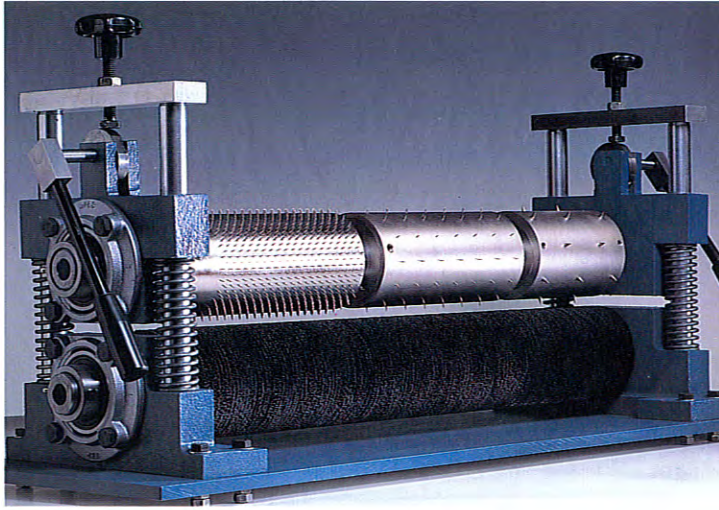
LIGHT WEIGHT

The light weight of the complete roller assembly saves on bearing wear and power consumption.



STEWART PERFORATION UNIT

- Self-Contained modular design.
- Quick Release cam-operated bearing blocks to disengage the pinned roller ensure an accurate return to the original setting.
- Easily Adjustable perforation depth.
- The Nylon or Wire Bristled roller can be varied in density and stiffness.
- Pin wear is virtually eliminated.



Another NEW development from the world's leading manufacturer of PINNED PRODUCTS.



STEWARTS OF AMERICA INC.
PINS & PINNED PRODUCTS

"ON THE SHARP END OF PINPOINT TECHNOLOGY"

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WORLDWIDE AGENT NETWORK

