

Die Shaver Unit, Model DS-2



Symbol of Quality and Performance

Distribution

HETRAN Inc.

70 Pinedale Industrial Road
Orwigsburg, Pennsylvania 17961
USA

Phone: +1 570 366 1411

Fax: +1 570 366 1829

E-Mail: hetran@infionline.net

HETRAN Engineering GmbH

Schelmilser Weg 8, D-33609
Bielefeld, Germany

Telephone: +49 (0) 521 33873

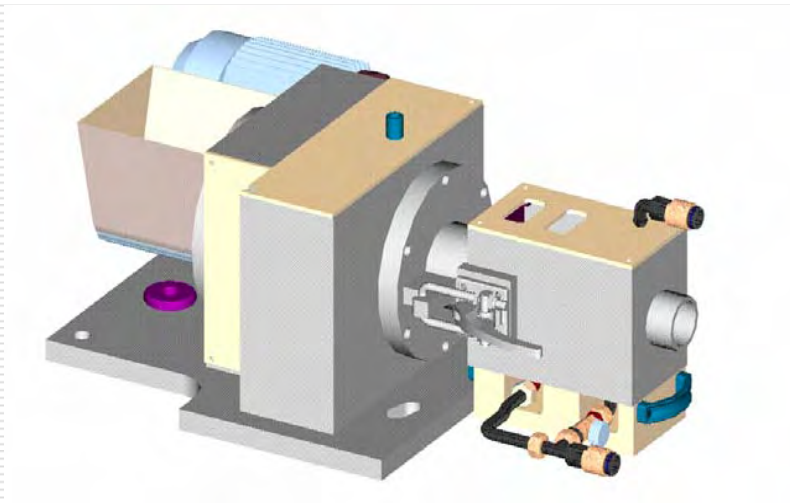
Fax: +49 (0) 521 33875

E-mail: hetran@aol.com

Die Shaver Unit, Model DS-2



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- Working range:
5.5 – 13.0 mm
- Size tolerance:
max. +/- 0.05 mm
- Main drive AC motor:
75 kW
- Line speed:
max. 150 m/min.
- Power: 380/440 Volt,
50/60 Hz
- Control voltage:
110/220 Volt, 24V
- Air pressure: 5-6 bar

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- The HETRAN die shaver unit is capable of die shaving (broaching) small wire material with tensile strengths of 500 – 1,000N/mm².
- A diameter removal of 0.25 – max 0.30 mm can be achieved on wires with low tensile strengths.
- The size tolerance is +/- 0.05 mm.

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- A complete die shaver line consists of the following items:
 1. Vertical over head pull down (used for small wire diameters) or (alternative) vertical payoff or flipper
 2. Driven infeed assembly
 3. Multi-roll pre-straightener assembly
 4. Sizing die stand with die box/shaving die assembly
 5. Base plate
 6. Inverted draw block with turn table carousel or (alternative) vertical take-up assembly
 7. Electric and hydraulic equipment

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- Comparison - die shaver unit versus conventional turning (peeling):
 - Operating speed is faster than conventional turning (peeling) speed
 - Set up time takes less than five minutes
 - RMS surface smoothness is lower
 - Operator training time is shorter
 - Less expensive equipment cost
 - Early return of investment
 - Less tooling costs

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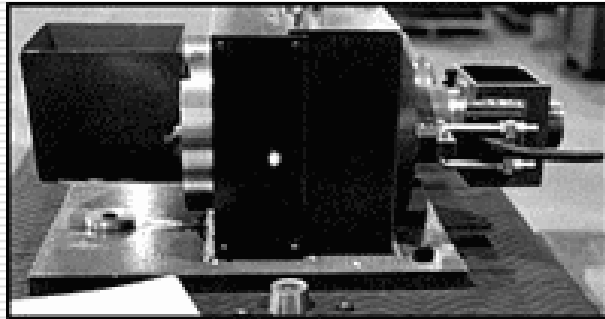
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- All HETRAN die shaver lines have the following features:
 - Easy introduction of the coil end at the beginning of each operation (User friendly)
 - Line is fully equipped with the latest safety features
 - Quick change of die holder, shaver die, all rolls, etc.
 - Consideration of all appropriate CE norms, OSHA regulations, UL, DIN, etc.

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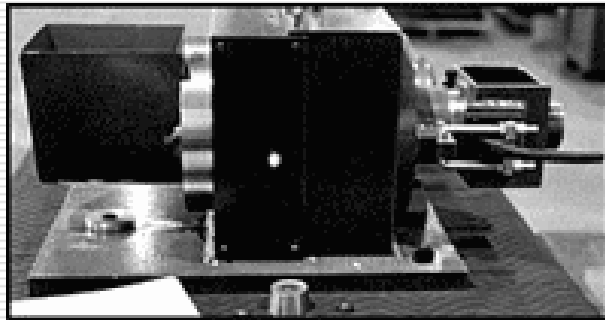
- **Function**
- The pointed wire end of a coil will be fed from an overhead pull down or vertical payoff into a driven infeed assembly. The wire end is driven through a pre-straightening assembly, sizing die stand, die shaving machine, up to the inverted draw block or vertical take-up block.
- Shaving (broaching) is accomplished by a carbide shaving die.
- A pressure (sizing) die located before the carbide shaving die ensures uniform material removal.

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■ Function (cont.)

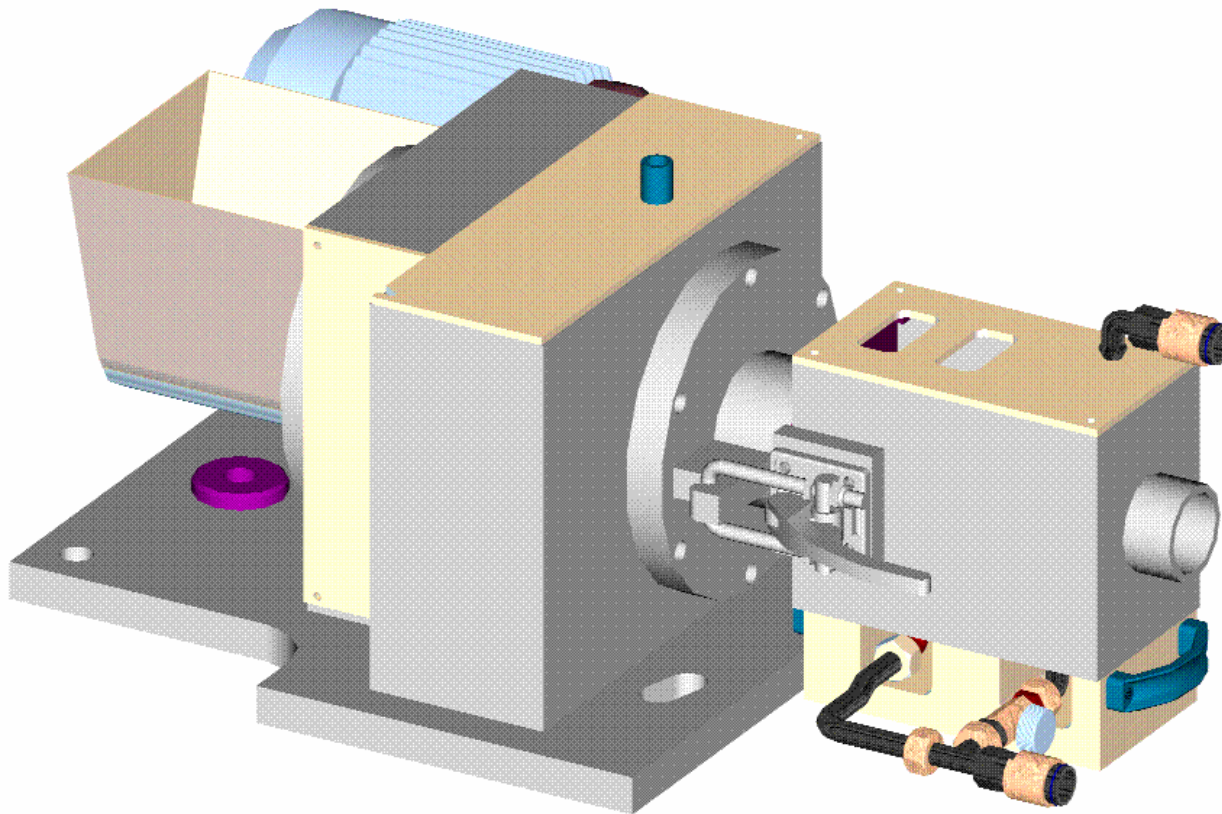


- Rotating chip breaking tools are used to prolong carbide shaving die life.
- Lubrication boxes are located before and after the carbide shaving die, as well as machine coolant and conveyor to clear chips from the cutting area.
- Using an inverted draw block with automatic gripper produces tension free (dead) coils, collected in a turn table carousel.

Die Shaver Unit, Model DS-2 Graphic display



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Die Shaver Unit, Model DS-2 Shaving dies



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- Shaving (broaching) dies in different angles and coated or uncoated qualities for the various wire materials are available through HSC (HETRAN SUPPLY COMPANY)
- HSC offers all appropriate spare and wear parts at compatible prices and delivery times
- Please do not hesitate to contact us for further information !