Vulcan Tool Company

Shimmy Trim

End Trimming Punch Machines and Dies

Hydroform Trimming Machines

Horizontal style dies are used when the part length or shape is not feasible for a standard die. For example: long hydroformed frame parts or bent exhaust components.
Horizontal dies can be complete machines with their own electric, hydraulic and pneumatic systems. These turn-key machines are supplied with state-of-the-art electronics and built to our customers' specifications.

Shimmy Die Trim Tooling

Brehm Shimmy Dies can be custom built to fit almost any application and to trim or profile any drawn shell to precision tolerances.
Horizontal type dies can also be punch press driven which may become more economical for longer parts not suitable for vertical press orientation.
Vertical dies can also be used with existing hydraulic or mechanical press for shorter tubular components or drawn stampings.

A horizontal style trim machine incorporated as one cell in a complete manufacturing line.

A Brehm Shimmy Die trims and notches.

VULCAN
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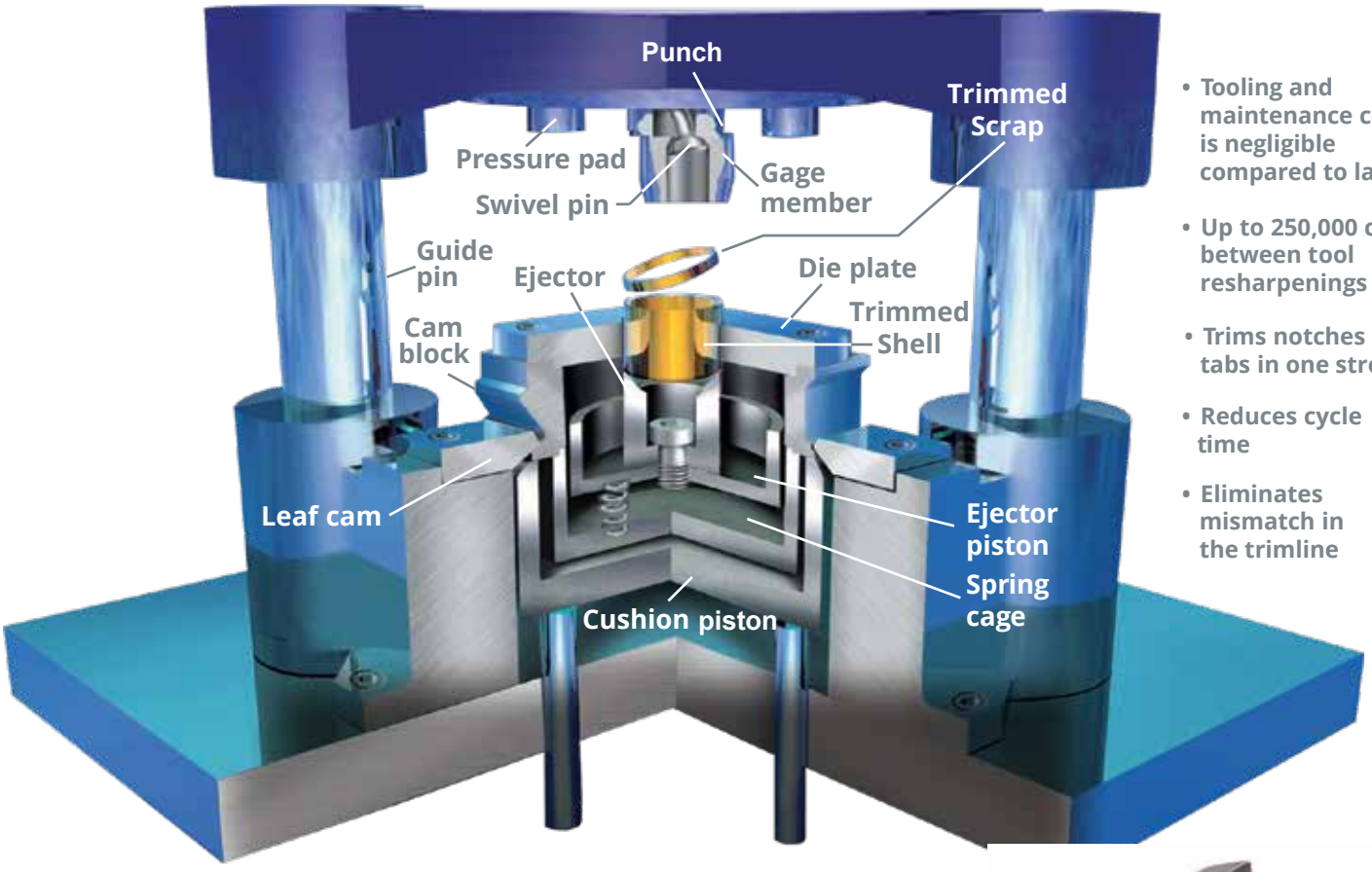
TOOL COMPANY

Brehm® Shimmy Die Technology



- Tooling and maintenance cost is negligible compared to laser
- Up to 250,000 cuts between tool resharpenings
- Trims notches & tabs in one stroke
- Reduces cycle time
- Eliminates mismatch in the trimline

As the press ram descends, the pressure pads make contact with the die plate, driving the die and part downward in a vertical motion. At the same time, a series of cams drive the die and part horizontally toward the punch from four directions. This action causes the scrap material to be sheared from inside toward the outside of the part, leaving virtually no burr on the outside. After trimming, the part and scrap can be air ejected out of the die.

This method of trimming gives you a clean sheared edge leaving 100% material thickness at the trimline. Overall height tolerances from the inside of the part can normally be held within a few thousandths of an inch.

Also trims drawn stampings

Standard dies can be used in almost any type of press. Our die requires the use of an air cushion. If one is not available, we can supply a die with a built-in air or nitrogen cushion.

In many cases, the shimmy die process has been able to eliminate several manufacturing operations. Our ability to trim, notch, and profile drawn shells and tubes in one stroke saves excessive handling and labor, as well as perishable tooling.

Contact us with your applications and let us show you how Shimmy trimming can simplify your process.

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