



RIGHT ANGLE SHEAR

This is a guided ram type designed for long life and low distortion of the blanks. The ram has dual drive to eliminate torsion forces.

The cutting size is 60" at Y x 32" at X.

The X travel can be set at 16" for slitting.



Hydrapower Automation Division

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FMS AND APSS



FMS with Single Row Warehouse.



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PO Box 2649
Marco Island Florida, 34145 USA
Ph 239 642 5379
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International Locations
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www.hydrapower-intl.com
E-mail: hydrapower@aol.com

VT-300 Turret Punch



Integrated Systems Automation using proven modules and Fanuc CNC.



SINGLE CUBIC WAREHOUSE

The warehouse modules can be configured to suit the customer's requirements. There can be 8 columns with shelf loadings of 7000 lbs and 50" x 100" standard and optional lengths to suit. The bottom shelf can be used as a loading table.

The system includes the loading robot and precision plate thickness measurement.



UNLOADING AND PART SORTING

There is a belt conveyor system with pneumatically operated separators which are programmed to open and collect each part produced.

APSS AND SINGLE CUBIC WAREHOUSE

The Warehouse module is on the right, transfer table is to its left and the APSS Turret Punch and Right Angle Shear are next.

The Tables at left separate and collect multiple parts and any scrap.



SLUG COLLECTION SYSTEM

A small conveyor belt carries scrap into a receiving bin.



ROBOTIC LOAD/UNLOAD

This module includes the vacuum lift, the sheet separating mechanism, sheet thickness measurement device and vertical and horizontal positioning.

Material can be brought here by the warehouse system or on manually staged pallets in either version the module is a robotic Load/Unload unit.



INTELLIGENT HYDRAULIC CLAMPS (Optional) ELIMINATE CRASHES.

Three Intelligent Clamps will automatically move their positions based on the part layout and hole locations. The clamps float with the plate to allow height changes.

There is an alarm which will warn if the clamps become detached.