

Vertical Band Saws:

- ❖ Gear Box: The motor and gearbox are mounted in a single unit at the top of the saw arm, away from chips, debris, and coolant. The gearbox is a worm gear type, probably the most rugged design going.
- ❖ Counter Balance Weight: The only vertical machine builder to use a counter weight in the lower part of the arm used for head balance and more accurate tilting and feeding.
- ❖ Arm Carriage: The arm carriage is designed to ride on free rolling ball and linear bearings, creating the smoothest and strongest cutting system in the industry. This design keeps moving parts away from the cutting zone, by having the support bearings well behind the cutting area, allowing trouble-free operation for years. By locating the bearings on top of the saw frame, any service or maintenance problems are easy to handle. The feed cylinder for the head is located directly behind the massive arm weldment, for more accurate feed rates and cutting pressures.
- ❖ Guide Arm: The guide arms are the toughest in the business. The fixed lower guide is mounted directly to the massive arm weldment. The adjustable guide slides along precision ways on the arm providing a rigid mount for accurate cuts in any material. The moveable guide arm has its greatest strength and rigidity in the direction of cutting.
- ❖ Arm Tilting System: An hydraulic tilt motor (or cylinder, depending on the model) moves the arm for precise angle cuts. A disc brake system locks the arm rigidly in position on the top of the arm and the bottom.
- ❖ Saw Table: The table is precision machined on CNC “state-of-the-art” milling machines. The table also has industry standard T-slots for any additional clamping. The table is equipped with fully replaceable wear plates so, if cut into or damaged by any material, they can be replaced easily and inexpensively.