



**PAT MOONEY, INC.**

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**PLUTON**

***FMB DIRECT GEAR DRIVEN SAWS - GRATING-PANEL SAW SERIES***

Pluton - a semi-automatic precision band saw machine designed to cut steel grating and panels. The saw blade is positioned at a 4 degree cant to provide the most effective position of the teeth in the material as it is being cut. This ensures faster and more accurate cutting. The saw head moves up and down on double linear guides on the main column and on a u-shaped guide on the front secondary column. The saw head feed rate is fully hydraulic which gives the operator full control of the feed rate to ensure accurate cuts. The saw blade guide system includes 4 side bearings, 2 top bearings (on top side of the sawblade) and 4 carbide guides. Saw blade speed is infinitely variable and is controlled via an Omron inverter. The clamp system consists of 4 vertical clamps with 4 independent cylinders to allow the clamps to adjust easily to different width materials when the saw cycle is activated. The machine comes standard with a NB1 saw blade mist lubrication system.

**Standard Features & Equipment:**

- All gear saw drive with infinite variable speeds via Inverter Drive
- Heavy duty machine base with locking cabinet
- Top Pneumatic Clamps
- Positive hydraulic down feed of the saw blade
- Semi automatic operation
- Automatic return height adjustment of the saw head
- Mechanical blade tension with built in indicator
- Precision carbide blade guides with roller guides
- Saw drive via gear reductor with case hardened and ground helical gears
- Micro drip blade lubrication
- 24 volt control voltage
- Fast approach
- Specify voltage at the time of order (220/3HP, 440/3HP)
- One FMB cobalt bandsaw blade and operating manual

**Technical Data:**

<b>Cutting Capacity</b>	<b>O Degree</b>
Rectangle A	10" x 49"

<b>Blade Size</b>	<b>Blade Speed</b>	<b>Saw Motor Power</b>	<b>Voltages Available</b>	<b>Foot Print</b>	<b>Weight</b>
18'4-1/2" x 1-1/4" x .042"	Variable 131-525 FPM	4HP	220v/3PH 440v/3PH	110" x 59"	3,080 Lbs.