



# DG 1100 Structural Miter Band Saw

The Band Saw Designed Specifically  
for Miter Cutting of Structural Sections



*Structural integrity is more than an engineering term—  
it's the Peddinghaus way of doing business.*

# Another ADVANTAGE for the Steel Professional from PEDDINGHAUS



The new DG 1100 MITER BAND SAW is the perfect companion to the Peddinghaus PCD 1100 multi-spindle drill line. This tandem system has a small shop footprint but delivers high tonnage capability. Fully CNC and integrated with all major detailing and modeling software—it will change your outlook on productivity.



The PEDDINGHAUS ACCUMEASURE CNC MEASURING SYSTEM, pictured here with the DGP 1270 Miter Band Saw, provides fast, accurate measuring of structural components. Peddinghaus' patented roller feed measuring and Signo Script carbide marking device works in productive synchronization with the Siemens' control to deliver fast accurate sawing.

# THE CHALLENGE...

## Competing Effectively in a Diverse Market for Structural Steel

### 1 HUGE WIDTH CAPACITY

With a big 44" wide x 20" (100 x 508mm) high opening, 1100 has the muscle to take on any size job.

### 2 FULL MITER CAPACITY

Machine base stays stable while saw head pivots up to 60° right and left.

### 3 BIG/TOUGH BLADE

Rugged 2 1/8" x .063" (9300 x 1.6mm) thick blade assures tons of accurate, fast beam cutting, with effective blade guide monitoring.

### 4 AUTO MIST BLADE COOLING

Today's technology means no flood coolant mess—no clean up, freezing, smell, environmental or hazardous spilling run-off on the floor.

### 5 LINEAR GUIDANCE DESIGN

Provides a stable, smooth running design for years of operation and trouble-free maintenance.

### 6 SPEED SAWING TECHNOLOGY

An overhead blade approach to the beam, with 3° blade attack angle powered by a 10.2HP motor and tough gearbox insures the fastest, most accurate saw times available.

### 7 AUTO-FEED BLADE FEED COMPENSATION

As the cutting load is sensed when cutting; the feed rate changes automatically to adjust for varying flange/web thicknesses no operator interaction needed.

### 8 SIMPLE MITER ADJUSTMENT

Operators appreciate the easy electronic miter adjustment which insures pinpoint miter cutting.

### 9 BLADE GUIDE ADJUSTMENT

Maximizes blade life and minimizes sawing time by automatically adjusting to different beam sizes.



**PEDDINGHAUS... The INNOVATION**

# THE SOLUTION...

## With Superior Design, the DG 1100 Delivers Sawing Power to Spare

### 10 LOW PASSLINE HEIGHT

Easy installation with a structural drill line for an effective cost saving one operator fabrication center.

### 11 RUGGED TWIN COLUMN CONSTRUCTION

Robust engineering insures perfect symmetry during blade head assembly approach to material.

### 12 ONE TOUCH OPERATION

Efficient design provides all these functions automatically at the touch of a button:

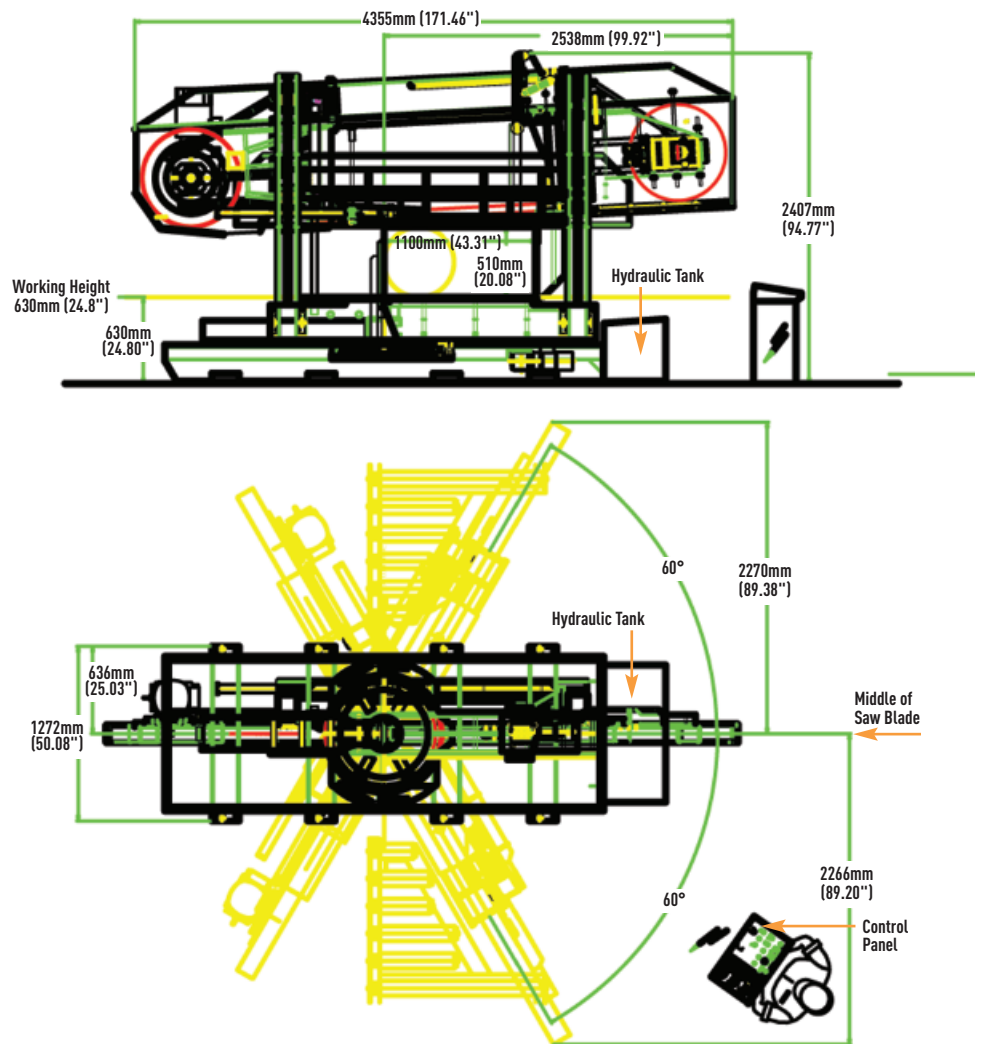
- Miter Adjustment
- Clamp Material
- Adjust Blade Guides to material width
- Fast Approach to accurate material height
- Auto Feed compensation for effective flange/web cutting
- End of cut automatically sensed and saw blade/head returns for next cut



**ATOR of Speed Sawing Technology**



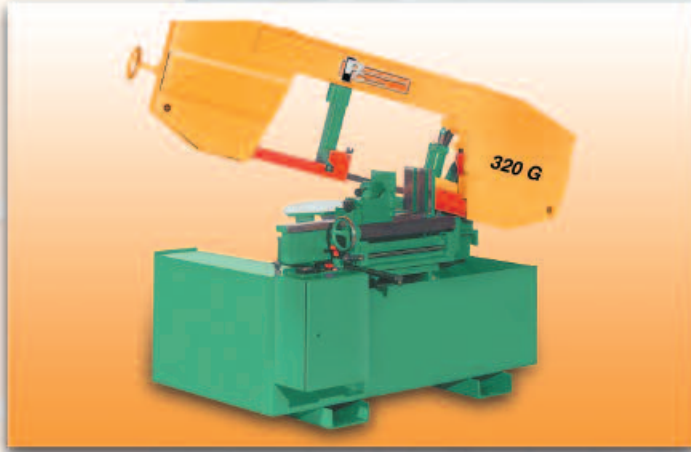
Miter up to 60 degrees right and left with precise confidence.



### TECHNICAL DATA

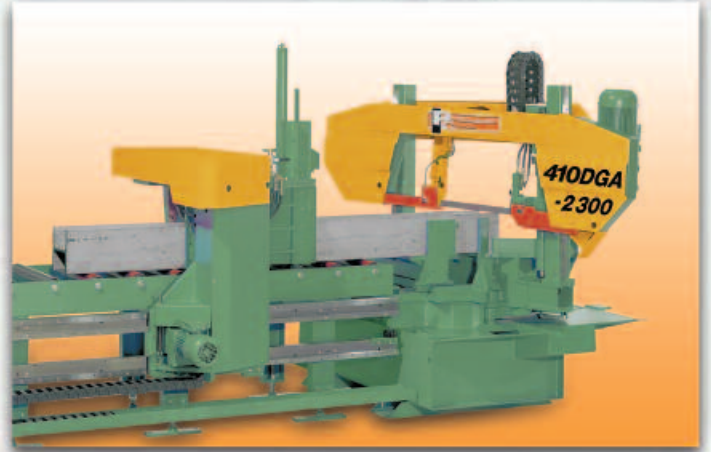
<b>CUTTING CAPACITY AT 90°</b>		44" Wide x 20" High Opening	1100 x 508mm
	Plate	40" x 6" x 20'	1100 x 150mm x 6m
	Structural Tube & Pipe	Up to 44" wide	1100mm
	Channel	Up to 44" wide	1100mm
	Solid Material	Up to 44" wide	1100mm
	Angle Iron	Up to 44" wide	1100mm
<b>CUTTING CAPACITY AT 45° RIGHT</b>		30.7" Wide x 20" High Opening	780 x 508mm
<b>CUTTING CAPACITY AT 45° LEFT</b>		27.9" Wide x 20" High Opening	708 x 508mm
<b>CUTTING CAPACITY AT 60° RIGHT</b>		21.6" Wide x 20" High Opening	550 x 508mm
<b>CUTTING CAPACITY AT 60° LEFT</b>		15.7" Wide x 15.7" High Opening	400 x 400mm
<b>MAIN SYSTEM VOLTAGE</b>		480v/3ph/60hz	400v/3ph/50hz
<b>MAX. WEIGHT OF SECTION TO BE SAWED</b>		18,000 lbs	8165 kg
<b>SAW BLADE FEED RATES</b>	Rapid Advance Feed	0-197 ipm	0-5 mpm
	Infinitely Variable Feed Rate	0-20 ipm	0-.51 mpm
<b>BLADE SPEED</b>		50-492 fpm	15-150 mpm
<b>BLADE SIZE</b>		366.14" x 2.13" x .063"	9300 x 54 x 1.6mm
<b>BLADE MOTOR</b>		10.2 HP at 60hz	7.3 kW
<b>HYDRAULIC UNIT MOTOR</b>		4 HP at 60hz	2.8 kW at 50hz
<b>HYDRAULIC OIL</b>		55 US Gallons	208 Liters
<b>PASSLINE HEIGHT</b>		25" without mounting pads	630mm
<b>MAXIMUM REMNANT PIECE</b>		1.2"	30mm
<b>OVERALL MACHINE DIMENSIONS (L x W x H)</b>		173.4" x 50" x 96.5"	4404 x 1272 x 2451mm
<b>NET MACHINE WEIGHT</b>		11,105 lbs	5,037 kg

# Any SHAPE... Any SIZE!



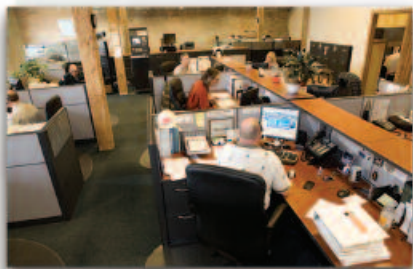
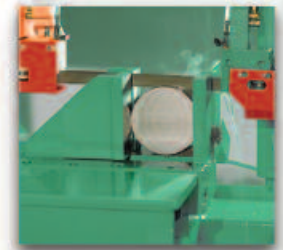
## 320G-HSS

The model 320G-HSS delivers fast, efficient miter sawing at an economical price. Designed for manual applications, the 320G-HSS saws up to 330mm (13") at 90 degrees with 200mm (8") capacity for precise miter sawing up to 60 degrees.



## 410 DGA 2300

The production minded 410 DGA 2300 is ideally suited for production orientated manufacturing, steel stocking centers and fabrication shop production. This automated saw delivers CNC accuracy and repeatability up to 410mm (16") at 90 degrees as well as 400mm (16") at 45 degrees and 330mm (13") at 60 degrees.



Today's technology such as remote diagnostics keep Peddinghaus' service at the forefront of technology.

*Established in 1903, Peddinghaus has been instrumental in providing quality equipment for virtually every major construction project in the world. As the industry leader in innovative technology for structural steel and heavy plate fabrication, Peddinghaus stands ready to serve our industry partners.*



ISO 9001:2000 Certified



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