Amada’s Pulse Cutting Technology - This breakthrough achieves maximum blade performance by minimizing vibrations and cutting resistance.
PCS\textsuperscript{A}W430X/AX and PCS\textsuperscript{A}W530X/AX

New Features for High Speed Cutting

3D Chip Removal System

Large Area Chip Conveyor

Blade Deviation Monitor

Cutting Fluid Level Detector

Feed Detector

Motion Detector

Increased Vise Rigidity
prevents material movement during cutting or indexing
PCSAW430X/AX and PCSAW530X/AX

New Features for Efficient Operation

**Back Gauge Plate for Stopper Block**
makes it easy to cut short material

**Fully Accessible Feeding Table**
to accommodate the full range of material sizes

**Obstruction-Free Loading Table**
to accommodate all types of material loading

**Safe and Easy Blade Replacement**

**Windows® Based CNC Control**

**Blade Guard Open**
Blade Stopper for Drive Wheel - **OFF**

**Blade Guard Closed**
Blade Stopper for Drive Wheel - **ON**

**Back Gauge Plate for Stopper Block**
Back Gauge Plate for Stopper Block makes it easy to cut short material.

**Fully Accessible Feeding Table**
Fully Accessible Feeding Table to accommodate the full range of material sizes.

**Obstruction-Free Loading Table**
Obstruction-Free Loading Table to accommodate all types of material loading.

**Safe and Easy Blade Replacement**
Safe and Easy Blade Replacement.

**Windows® Based CNC Control**
Windows® Based CNC Control.
Pulse Cutting Remarkably Increases Productivity

Single pulse cutting cancels the vibrations that occur during the penetration force. This technology decreases cutting resistance while increasing blade life and cutting rates. Increased blade life is now guaranteed without sacrificing productivity.

PCSAW + Smartcut Band Blade

Use SMARTCUT BAND for optimal performance of your PCSAW330. The combination of the machine and blade fully minimize the cutting resistance. SMARTCUT BAND also increases material yield by reducing kerf.

Note: Standard blade (1-1/2" x 0.050") is also available for PCSAW330. Please ask our distributors for the detail.
**PCSAW700**

**Attain Higher Cutting Rates with Low Noise Levels**

Double pulse cutting by servomotor controls vibrations that occur during the longitudinal and penetration forces. This technology generates the maximum efficiency of blade performance and enables high cutting rates with low noise levels.

**Increased Blade Life Without Sacrificing Productivity**

In most cutting applications, by controlling vibrations that occur during the penetration force, pulse cutting reduces cutting resistance and blade wear by 50 percent. Lower tooling cost is ensured by the extended blade life.

**Automatic Dual Wire Brush System**

The dual wire brushes contact the sides of the blade at the teeth, instantly cleaning the gullet area and avoiding excessive brush wear due to improper settings.

**Operator Friendly CNC Control**

**Dimensions**

(inches)
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>PCSAW330</th>
<th>PCSAW430X/AX</th>
<th>PCSAW530X/AX</th>
<th>PCSAW700</th>
<th>AXCELA</th>
<th>AXCELA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutting Capacity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Round (Diameter)</td>
<td>1.18&quot; - 13&quot;</td>
<td>1.18&quot; - 16.93&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rectangle (W x H)</td>
<td>13&quot; x 13&quot;</td>
<td>16.93&quot; x 16.93&quot;</td>
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<tr>
<td>Work Load Capacity</td>
<td>4410 lbs.</td>
<td>6613 lbs.</td>
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<tr>
<td>Work Feed</td>
<td>Feed Stroke</td>
<td>Index Length per Stroke 19.685&quot;</td>
<td>Index Length per Stroke 19.685&quot;</td>
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<tr>
<td>Feed Length</td>
<td>0.394&quot; - 99,999&quot;</td>
<td>0.394&quot; - 99,999&quot;</td>
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</tr>
<tr>
<td>Saw Blade</td>
<td>Blade Size (L x T x W)</td>
<td>13&quot;6&quot; x 0.035&quot; x 1-1/2&quot;</td>
<td>20&quot; x 0.063&quot; x 2&quot;</td>
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<tr>
<td>Saw Blade Speed</td>
<td>49 - 394 ft./min., 60 Hz (Inverter)</td>
<td>49 - 394 ft./min., 60 Hz (Inverter)</td>
<td></td>
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<tr>
<td>Motors</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Saw Blade Motor</td>
<td>5 HP</td>
<td>15 HP</td>
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<tr>
<td>Hydraulic Pump Motor</td>
<td>2 HP</td>
<td>3 HP</td>
<td></td>
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<tr>
<td>Pulse Cutting Motor</td>
<td>1/4 HP</td>
<td>1/8 HP</td>
<td></td>
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<tr>
<td>Cutting Fluid Pump Motor</td>
<td>1/4 HP</td>
<td>1/2 HP</td>
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</tr>
<tr>
<td>Saw Head Motor</td>
<td>N/A</td>
<td>3/4 HP</td>
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<tr>
<td>Machine Dimensions (W x L x H)</td>
<td>85.6&quot; x 99.6&quot; x 74.4&quot;</td>
<td>112.2&quot; x 83.2&quot; x 90.0&quot;</td>
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<tr>
<td>Table Height (Above Floor)</td>
<td>27.6&quot;</td>
<td>27.6&quot;</td>
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<tr>
<td>Machine Weight</td>
<td>3970 lbs.</td>
<td>10361 lbs.</td>
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</tbody>
</table>

Specifications may change without notice at the sole discretion of Amada’s Engineering Department.

### AXCELA

**AXCELA Carbide Blade**

PCSaw and AXCELA carbide blade, perfect combination for optimum performance.