

# Brillant 220 Cut Off Machine

8  
inch



## Precise. Capable.

Combining solid aluminum construction, a spacious cutting chamber and the ability to make precision cuts, the Brillant 220 is the ideal wet abrasive cut off machine for a variety of metallographic applications.

A powerful 1 HP motor enables the user to cut through just under 3 inches of even the hardest material. The Brillant 220 can be fitted with either abrasive wheels or diamond wafering blades up to 8 inches in diameter.

The variable speed spindle optimizes motor speed to provide the most efficient cutting rate for superior results. While achieving up to 3 mm/sec, the programmed feed rate automatically reduces to protect samples from damage.

A user-friendly LCD display enables easy operation and recall of cutting parameters. Setup time is reduced by using an axes-controlling joystick. The unique Z-axis movement allows for precision cutting down to 1  $\mu\text{m}$ .



## Brillant 220 Cut Off Machine

Max Cutting Capacity:  
75 mm / 3" Diameter

Max Cut Off Wheel Size:  
203 mm / 8"

Arbor Size: 12.7 mm / 1/2"

Cutting Chamber W x D:  
405 x 500 mm /  
16 x 19.5"

Horizontal Table Movement:  
210 mm / 8.2" Travel

Automatic Pulse Cutting

Z-axis Movement:  
80 mm  $\pm$  1  $\mu$ m

Speed: 300 - 5000 rpm

Motor: 1.0 HP

Power:  
220 V / 60 Hz, 1 Phase  
110 V / 60 Hz, 1 Phase

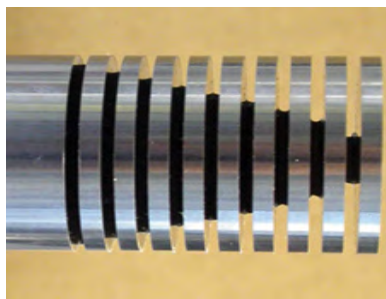
Dimensions W x H x D:  
30 x 19 x 26"

Weight:  
180 lbs

Recirculation System:  
15 L / 4 Gallons



**Integrated Z-axis and automatic cross feed table** make thin cuts possible. These include serial cuts with precision down to 1  $\mu$ m



**Touch screen display and joystick** for easy use and complete control



A large assortment of clamping tools are available with ATM's **easy-clamping system**

