

Brillant 221 Cut Off Machine



Precise. Capable.

Combining heavy duty construction of a much larger cut off machine with the ability to make precision cuts worthy of the finest abrasive or diamond cut off machines, the **Brillant 221** is a useful tool for most metallographic applications.

The powerful 0.75kW (1HP) motor enables the user to cut through even the hardest materials up to 50mm (2") in diameter. The Brillant 221 uses diamond or abrasive wheels up to 200mm (8") in diameter.

The variable speed spindle optimizes motor speed to provide the most efficient cutting rate for superior results. The feed rate is continuously adjustable from 1 to 99 mm/min and held constant throughout the cut.

Electronic controls store predetermined programs allowing easy recall of cutting parameters. The unique Z-axis movement used with a diamond cup wheel allows precision grinding and cutting.



Brillant 221 Cut Off Machine

Max Cutting Capacity:
75 mm / 3" Diameter

Max Cut Off Wheel Size:
200mm / 8"

Arbor Size: 12.7mm / 1/2"

Table Size:
200 x 140mm / 8 x 5.5"
8mm T-slot

Horizontal Table Movement:
160mm / 6.3" travel with
Manual Override

Automatic Pulse Cutting

Speed: 400—6000 rpm

Recirculating System:
15 Litres / 4 gallons

Power:
0.75kw (1 HP) , 230V,
1 Phase

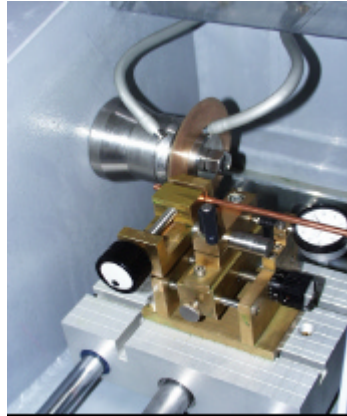
Dimensions W x H x D:
600 x 385 x 470 mm

Weight: 50 kg

Optional:

Z-axis Movement:
15mm \pm 1 μ m

SystemLab
Furniture Base Cabinet
Dimensions W x H x D
880 x 815 x 650mm



The **Tiltable Clamping Vice 40** and **Small Cross Feed Mount** accurately position samples for sectioning



Large **Precision Spindle** can provide Z-axis positioning of the cut off wheel with 1 μ m accuracy



External Recirculation System is easy to clean and maintain



Manual **Diamond Wheel Dressing** can be performed during the cutting operation

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