



ADVANCED MATERIALOGRAPHY

# Brillant 240

Semi-automatic abrasive cut-off machine



# BRILLANT 240 – Semi-automatic abrasive cut-off machine

Simply clever

The Brillant 240 is a compact and flexible semi-automatic abrasive cut-off machine with a 254 mm / 10" cut-off wheel for workpieces or samples up to Ø 95 mm. This machine combines the benefits and speed of a manual cut-off machine with the advantages of an automatic abrasive cutter.



## Product Advantages

- ◊ Manual Y-axis with electromechanical lever brake
- ◊ 7" Touch-Screen user interface with intuitive ATM user software
- ◊ Automatic travel X-axis - manual travel via hand wheel
- ◊ Cutting-force dependent feed control (X-axis)
- ◊ Superior LED illumination of cutting chamber
- ◊ Parallel setting of wheel guard during cutting sequences increases cutting capacity
- ◊ Opening on both sides for cutting long parts

[www.atm-m.com/brillant240](http://www.atm-m.com/brillant240)

The semi-automatic Brillant 240, equipped with a hand lever and **automatic lever brake**, can be operated with one hand and makes vertical cuts or the positioning of the cut-off wheel easier than before. The cutting table with T-slots is made of stainless steel and can be used either with a **dynamic automatic drive** (allows **pulsed cut**) or in manual mode, operated by a hand wheel (traverse cut). Together with the well-proven ATM technology of pulsed cutting, the Brillant 240 provides excellent cutting results even with the most difficult materials. And having an automatic X-axis allows the **Care-Cut** (oscillation cut) during a chop cut for large pieces. For more complex cutting tasks, the Brillant 240 can be equipped with an optional **automatic cross table** to perform serial cuts. Axes are monitored by travel measuring during set up and operation.

## Features



Manual Y-axis for chop cut with automatic lever brake for easiest handling



Large cut-off wheel of 254 mm / 10" with parallel moving wheel guard



New intuitive user-interface for comfortable machine operating



The feed speed is controlled load-dependent to prevent the sample from over-heating and reduces material deformation to a minimum. The unique horizontal, **parallel moving wheel guard** increases the share of diameter from the cut-off wheel that can be used. This keeps best cutting performances – especially helpful, when the cut-off wheel got more and more worn.

A very large color interface and newly created menu navigation concept provides intuitive and user-friendly operation. Various consumables and materials are pre-installed, ready to be chosen by the customer.

The enhanced maintenance menu is optimized to support the service offered by ATM - useful information like axes setup, device configuration etc. are visible for the user. It includes the operating hours of automatic axes, recirculation unit, motor and the switch-on time of the machine and customized maintenance intervals can be set. Like all other ATM cut-off machines, the Brillant 240 is fully compatible with **ATM's easy clamping system**. The changing of clamping tools becomes much faster and allows the user to remove or fix a clamping tool in only one single step.

The Brillant 240 offers the storage of unlimited customized methods both on the device or on USB, allowing a transfer of methods from one device to another.

In addition to that, the user-software provides different access rights by different accounts like e.g. operator or administrator.

The Brillant 240 is equipped with an industrial standardized emergency button and with a safety lock for the drip-free sliding door fulfilling high safety requirements.

The cutting of long parts is simplified by openings on both sides. This feature makes the handling convenient and comfortable.

## BRILLANT 240 at a glance

Cut-off Machine



Model

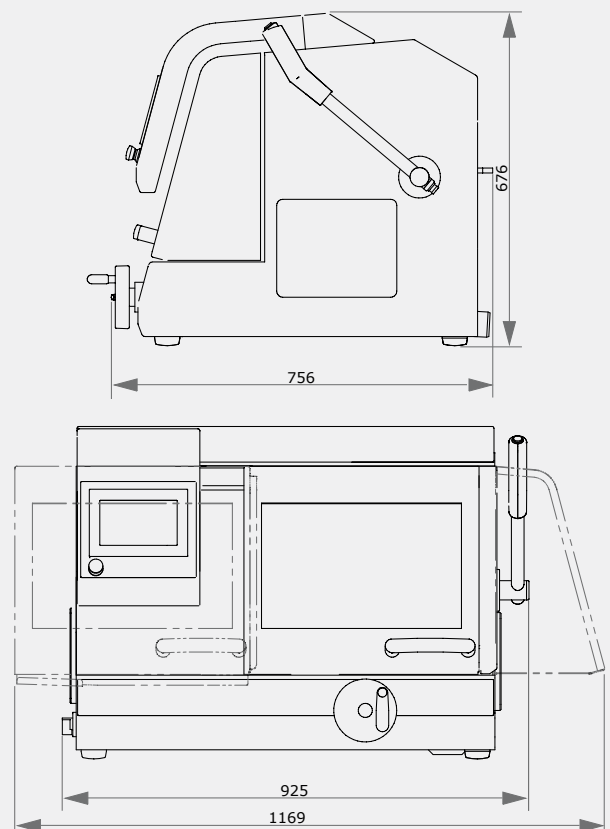
BRILLANT 240

### Features

<b>Cut-off wheel diameter</b>	254 mm/10"
<b>Max. cutting capacity</b>	Ø 95 mm
<b>X-axis automatic &amp; manual</b>	225 mm
<b>Y-axis manual</b>	170 mm
<b>Z-axis automatic (option)</b>	120 mm
<b>Setting accuracy Z-axis automatic</b>	0.1 mm
<b>T-slot</b>	12 mm
<b>Fixed rotational speed</b>	3015 rpm at 50 Hz and 3100 rpm at 60 Hz

### Technical Data

<b>Motor power</b>	3 kW, S1 4 kW, S3/60%
<b>Power input</b>	5.5 KVA
<b>W x H x D</b>	925 x 676 x 756 mm
<b>Weight (depends on equipment)</b>	≈ 130 kg
<b>More information on</b>	<a href="http://www.atm-m.com/brillant240">www.atm-m.com/brillant240</a>





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