



**Qcut 250 A**

**FLEXIBILITY AND EASIEST HANDLING**

## **SEMI-AUTOMATIC ABRASIVE CUT-OFF MACHINE**

## SIMPLY CLEVER

# Qcut 250 A – SEMI-AUTOMATIC ABRASIVE CUT-OFF MACHINE

The Qcut 250 A 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  $\varnothing$  95 mm. This machine combines the benefits and speed of a manual cut-off machine with the advantages of an automatic abrasive cutter.

The semi-automatic Qcut 250 A, 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 QATM technology of pulsed cutting, the Qcut 250 A 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 Qcut 250 A 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



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



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



I New intuitive user-interface for comfortable machine operating

## Benefits Qcut 250 A

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

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 QATM - 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 QATM cut-off machines, the Qcut 250 A is fully compatible with QATM'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 Qcut 250 A 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 Qcut 250 A 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.

## Qcut 250 A AT A GLANCE

### CUT-OFF MACHINE



Qcut 250 A

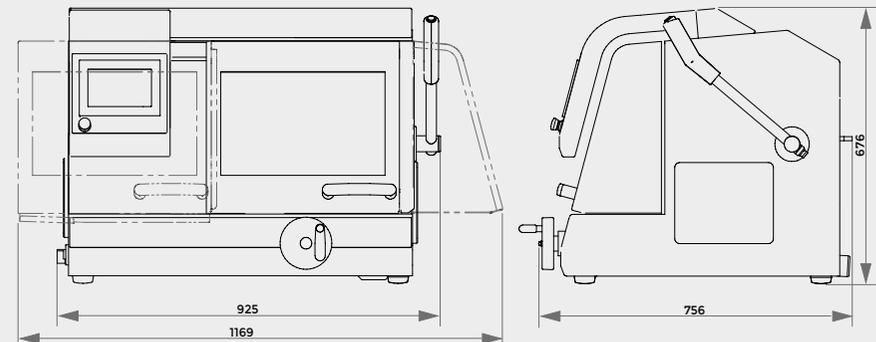
#### MODEL

#### FEATURES

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

#### TECHNICAL DATA

Motor power	3 kW, S1 4 kW, S3/60 %
Power input	5.5 KVA
W x H x D	925 x 676 x 756 mm
Weight (depends on equipment)	≈ 130 kg
More information on	<a href="http://www.qatm.com/qcut-250a">www.qatm.com/qcut-250a</a>



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