CUT-OFF MACHINE

QCUT 250 A

INTUITIVE CONTROL SOFTWARE

The new control software with integrated, extensive maintenance menu makes the operation simple and comfortable.

The Qcut 250 A is a wet abrasive cut-off machine with fine dynamic and manual vertical wheel movement (chop cut) for samples up to Ø 95 mm and electromechanical lever brake.

The automatic X-axis allows a precise pulsed cut and oscillation cut while the spacious cutting chamber gives various clamping variations.
The solid aluminum design comes with openings on the right and left hand side for cutting long parts.

HORIZONTAL MOVEMENT

The manual horizontal or automatic movement allows cutting long parts longitudinally and easy positioning of the sample below the cut-off wheel.
In pulsed cutting mode the sample material is cut particularly gently.

FINE DYNAMIC CUT-OFF

With the manual cutting movement, the cutting force is regulated through a set of gears. The cut is thereby yerk-free and more precise.
The easy-to-use lever brake fixes the cutting disc in any position.

AUTOMATIC CROSS TRAVEL

The automatic Z-axis can be adjusted with 0.1 mm precision for parallel cuts.

INNOVATIVE DETAILS

The sliding front door and the side door with safety interlock allow easy and optimal access to the cutting chamber, which is optimal illuminated by a LED lamp.
The Quick-Change-System makes change of the cutting wheel quick and easy and simplifies maintenance.

BASIC MODULE

Qcut 250 A

- manual Y-axis with electromechanical lever brake
- 7“ Touch-Screen user interface with intuitive QATM user software
- automatic 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 long parts

Order No.: M1822000

EQUIPMENT

POWER SUPPLY

Equipment 1	Equipment 2	Equipment 3
400 V/50 Hz (3Ph/PE)	480 V/60 Hz (3Ph/PE)	220 V/60 Hz (3Ph/PE)
Order No.: A1822001	**Order No.: A1822002**	**Order No.: A1822003**

TABLE DRIVE

Equipment 1	Equipment 2
X-axis automatic/manual (without Z-axis)	X-axis automatic/manual and Z-axis (cross feed) automatic
Order No.: A1822004	**Order No.: A1822005**

OPTION

LASER ALIGNMENT AID

- laser line to visualize the cutting line
- laser class 1

Order No.: A1822006

ACCESSORIES

RECIRCULATION COOLING SYSTEM

- 2-chamber-pvc-compartment 45 ltr.
- inlet sieve and filter bag
- mobile with insertion mechanism for System Lab cabinets

WxHxD	366 x 540 (640) x 610 mm
400 V/50 Hz (3Ph/PE)	
Order No.: A5800484	
480 V/60 Hz (3Ph/PE)	
Order No.: A5800485	
220 V/60 Hz (3Ph/PE)	
Order No.: A5800486	

- incl. connection set
- controlled by cut-off machine
- mobile

WxHxD	366 x 550 x 600 mm
400 V/50 Hz (3Ph/PE)	
Order No.: A5800487	
480 V/60 Hz (3Ph/PE)	
Order No.: A5800488	
220 V/60 Hz (3Ph/PE)	
Order No.: A5800489	

BELT FILTER SYSTEM 130

- incl. filter roll

Tank	130 ltr.
Filter capacity	30 ltr./min (referring emulsion)
Pump	15 ltr./min
WxHxD	607 x 632 x 1308 mm
Weight	~ 90 kg
400 V/50 Hz (3Ph/PE)	
Order No.: A6501009	
480 V/60 Hz (3Ph/PE)	
Order No.: A6501011	
220 V/60 Hz (3Ph/PE)	
Order No.: A6501010	

CENTRIFUGAL SEPARATOR

- removes coolant mist
- purifies the air and increases visibility
- exhaust power 180 m^3/h

400 V/50 Hz (3Ph/PE) or 480 V/60 Hz (3Ph/PE)

Order No.: A1822007

220 V/60 Hz (3Ph/PE)

Order No.: A1822008

BASIC SET QCUT 250 A

Order No.: Z1822001

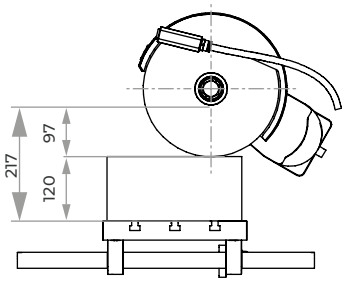
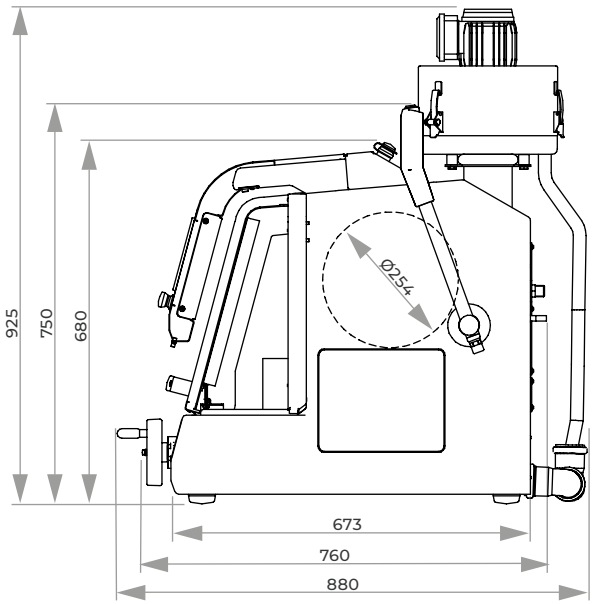
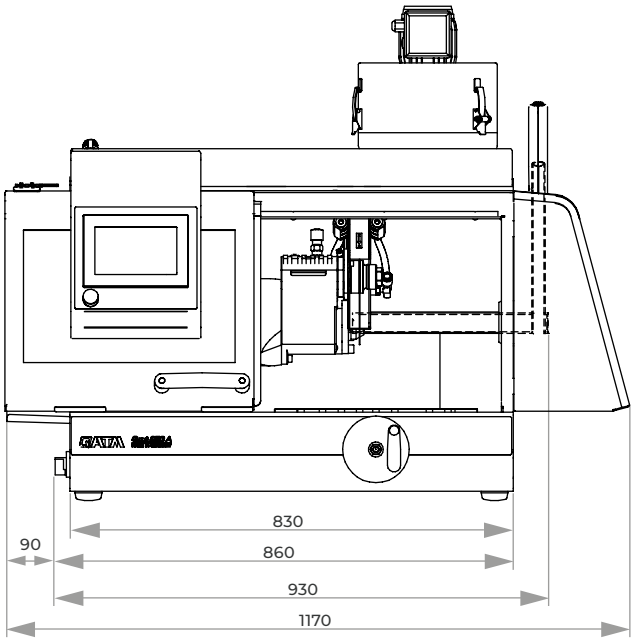
CONNECTION SET 230/250

- connection tubing for belt filter system 130

Order No.: Z6501004

Clamping example

SPECIFICATIONS		
Max. theoretical cutting capacity		Ø 95 mm
Cut-off wheel		Ø 254 mm/10“
Arbour size		Ø 32 mm
Horizontal movement		225 mm
Vertical movement		170 mm
Cross feed		120 mm
Table WxD	1 2	380 x 270 mm (without Z-axis) 300 x 270 mm (with Z-axis)
T-slot		12 mm
Speed		3015 rpm (50 Hz) 3100 rpm (60 Hz)
Motor cut-off wheel		3 kW, S1-mode
Connected load		5.5 kVA
Power supply	1 2 3	400 V/50 Hz (3Ph/N/PE) 480 V/60 Hz (3Ph/PE) 220 V/60 Hz (3Ph/PE)
WxHxD		~ 930 x 680 x 880 mm
Weight		~ 130 kg



X-axis travel 225