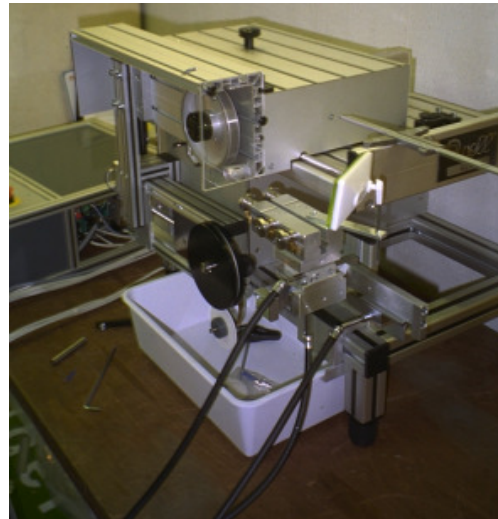




Detonator-cutting machine Type 4240

Diamond-wire saw

Art.- No.: 130046



(Made in Germany)

This type of machine has been basically designed to produce very thin parallel sheets or layers of various material samples for microscopic and other lab-examinations. By means of using of an endless fixed but not welded diamond covered wire the material is precisely cut. Moving on a sloped guide rail the wire feed can be controlled extremely fine. Therefore the temperature caused by feed and cut can be precisely tuned.

The desktop design with special clamping devices allows the safe cut of various types of detonators for forensic purposes.

Specification:

Current:	Transformer 220 V, 110 V and 100 V, 50-60 Hz (others on request) Nominal: 24 V	Motor:	24 V, DC, 40 W, and tachogenerator
Controls:	Transistor-four quadrants, Servoamplifier.	Break:	Electromagnetic disk break, no current action 24 V
Fuses:	Ø 5 x 20 mm, 6,3 A slow (1 A slow for add. utilities like pump, lamp, 24 V, AC)	Speed of wire-control:	Digital, 0 - ca. 2,5 m/s, continuously
Safety-switch:	Wire-breakage and end of cut (inductive), main switch (key switch), Emergency-Off-switch		
Mechanics			
Type of design:	Vertical wire guide	Dia. of wire:	On request
Feed:	Gravitation (Wire)	(Standard):	Ø 0,17 mm, 30 µm
Feed control:	Dynamometer	Tension control of wire:	Dynamometer
Sample clamping:	On request	Size of sample:	approx. 115 x 115 mm
Micrometerbase:	Adjustment X-axis 100 mm, Reading 0,01 mm	Cleaning of wire:	Fluid drums for use of cutting fluid:
Drum-Diameter	120 mm, drive with ballscrew	Dimensions:	590 x 550 x 520 mm
Length of wire:	approx. 10 m (1 set included in standard set	Weight:	approx. 55 kg (incl. transformer with approx. 9 kg)
		Add. accessories:	Spinning device 44 (strongly recommended) further accessories on request.

Specification subject to change without notice!

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