

The new eromobil®



More compact, more functional, more practical

Since its start in 1972 eromobil® is and remains the most effective solution for tool break. Within minutes broken off taps, twist drills, reamers, etc. are eroded. The device can quickly be used on column drills, radial drills and magnetic drills, milling machines, drilling machines, as well as CNC machines. Thus production faults are minimised, workpiece damage and costs are avoided. With its new design, the eromobil® is more compact and more functional. The new intelligent design integrates all components in a well-organised and space-saving manner; handling is easy and convenient.

Functional principle

The hollow electrode is clamped into the vibration head. This is smaller in diameter than broken off tool. When eroding, the core piece of the broken-off tool is removed. Consequently, the cutting blades come loose and can be removed easily. The electrode does not come into contact with the workpiece, thus the thread remains undamaged. The boring emulsion generally used in the shop is used as coolant.

Generator in robust, compact housing with ergonomic handles for easy lift-out and transport

Supply hose 2 m from the generator to the vibration head (available to 7.5 m)

Vibration head with ergonomic handles, LED indicator light and straight shank receptacle 12 mm

Magnetic stands

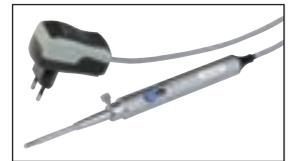
Ground cable 2 m with workpiece clamp (available up to 7.5 m)

Front view

14935 103-104

Deep hole test light

With lamp holder Ø 5 mm, 100 mm long for illuminating the bores after electrical discharge machining. Also with plug transformer 230 V for universal monitoring tasks.



14935 105

Vibration head receptacle:

MK2 directly in the centre sleeve of machine tool.



Select from two models

eromobil®-er 230 s-ND

- For thread from M2 to approx. M20
- 220/230 V
- 50 Hz AC
- 3,6 kVA
- 16 amp

eromobil®-er 400 t-ND

- For thread from M2 to approx. M40
- Optimally suited for deep holes and carbide tools
- 380/400 V
- 50 Hz three-phase current
- 6,0 kVA
- 16 amp

Standard scope of supply

- Generator in the trolley
- Vibration head
- Supply hose
- Ground cable
- Coolant pump
- Coolant tank
- 1 each fork spanner AF 19 and AF 24
- 10 splash guard bags

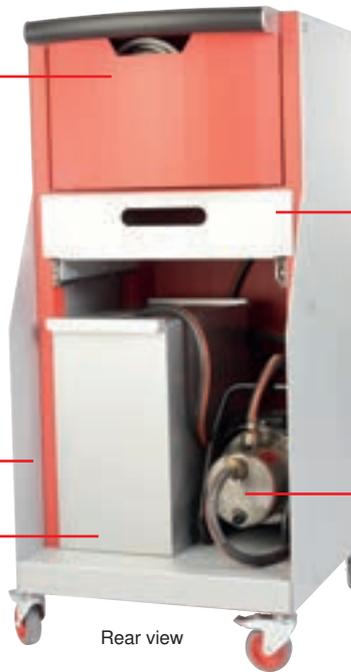
Storage compartment for vibration head, supply hose, and ground cable



Opened cover housing compartment with vibration head supply hose

Trolley with placement surface for coolant pump and coolant container, with easy running castors

Coolant tanks with two chambers for intake and return, with practical handles



Rear view

Tool drawer with interior compartment settings for electrodes, collet chucks, fork spanners, splash protection bags and accessories, pulls out on easy-running profile rollers



Coolant pump for effective flushing with approx. 3,4 bar pressure incl. 2 m suction hose with foot valve, as well as 2 pressure hose with quick-release coupling (hoses to 5 m are available)

Erosion drilling machine	14934	...
er 230 s-ND	201	
er 400 t-ND	202	

Special accessories	14935	...
Deep hole test light	103	
Lamp holder, 100 mm long	104	
Vibration head receptacle, MK 2	105	

Continuation ▶

Arc erosion drilling machines | Tap Sets

14936 - 14937 Electrodes and collets for eromobil®

Continuation ▶

14936
Copper electrodes

Use
For tools made of HSS.

14937
Collets

14936



14937



Note:

Special electrodes up to diameter 30 mm and 1.000 mm length and electrodes made of graphite and tungsten copper for machining carbide metal tools are available on request.

Electrode Ø x length mm	for thread M	14936	...
1,0 x 250	2 - 2,6		101
1,5 x 250	3		102
2,0 x 250	4		103
2,5 x 250	5		104
3,0 x 250	5 - 6		105
3,5 x 250	6		106
4,0 x 250	6 - 8		107
4,5 x 250	8		108
5,0 x 250	8 - 10		109
6,0 x 250	10		110
7,0 x 250	12		111
8,0 x 250	12 - 14		112
10,0 x 250	16 - 20		113

Collets Ø mm	14937	...
1.0		101
1.5		102
2.0		103
2.5		104
3.0		105
3.5		106
4.0		107
4.5		108
5.0		109
6.0		110
7.0		111
8.0		112
10.0		113

System Prefab Office SHB 50



Use

Individual spatial concepts - turnkey solutions.

The Prefab Office SHB 50 is the optimal spatial solution - from the small foreman's office to the 2-storey large facility with many advantages:

- Fast and easy installation through monoblock elements
- Optimal protection against noise and dust
- Effective use of space
- Turnkey solution
- Easy extensibility
- Cost-effective transferability
- Room heights to 3000 mm

Design



Standard floor

Transport floor

Additional information on request



1-storey spatial solution



2-storey spatial solution



Spatial solution on a platform



Transportable spatial solution