



MIG-O-MAT® microflame

**Micro-soldering and Welding equipment
with a gas production of 80 – 300 litres/h**

- + Highest safety standard to DIN 32508 and low operating costs
- + Instead of bottled gas: The micro-flame gas generator produces by electrolysis (breakdown of water) a hydrogen-oxygen mix, which burns residue-free.
- + Made in Germany
- + Easy, micro-processor controlled operation with integrated leak measurement*
- + Booster lighting for function and filling level control of the evaporator liquid*
- + Quick regulation of the precise working pressure with automatic adaptation*
- + Equipment with high-quality stainless steel housing for single or multi-station concept*

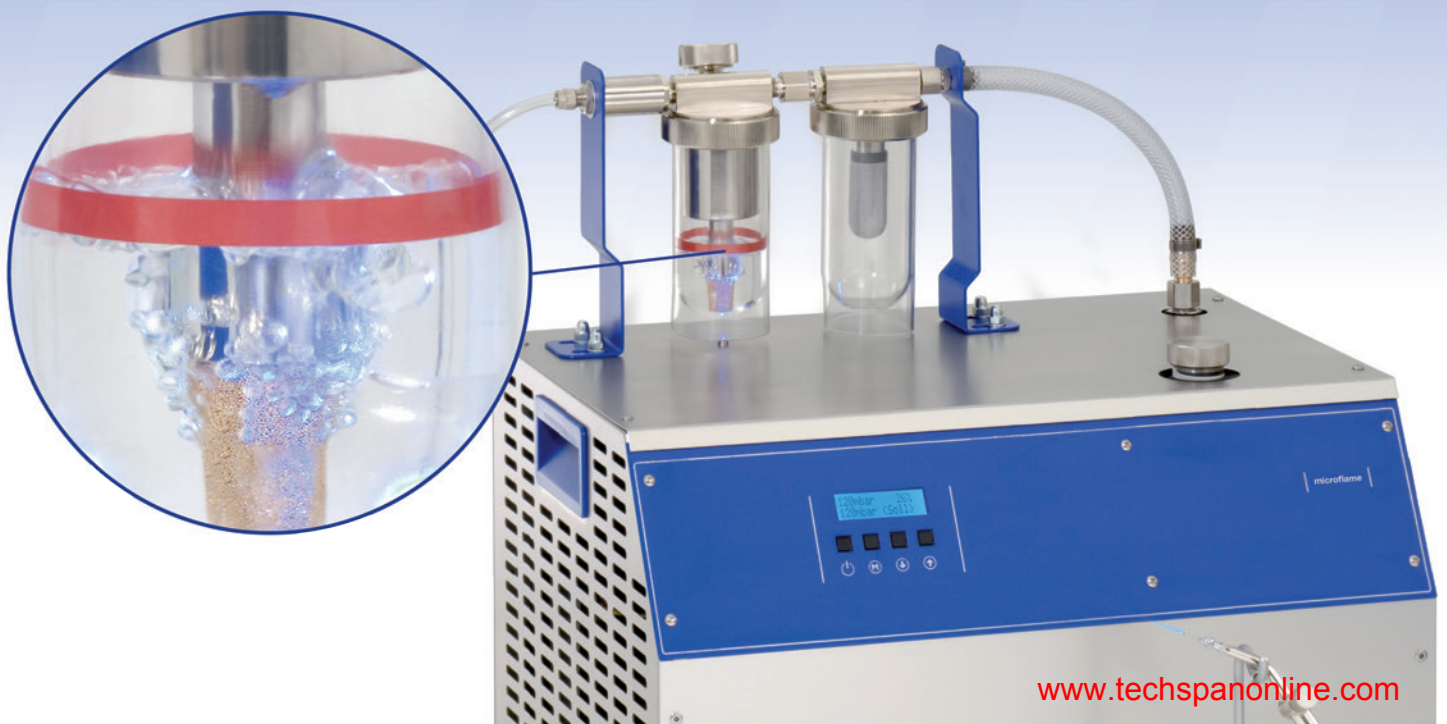
Micro-soldering and Welding equipment with own gas production



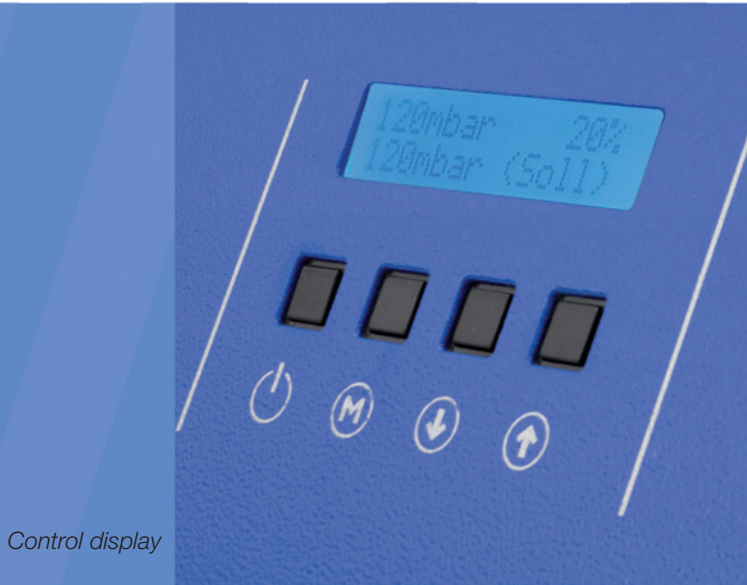
MIG-O-MAT® microflame Micro-soldering and Welding equipment were specifically developed for craftsmen such as goldsmith's, jewellers, laboratory technicians, precision engineers or model makers. MIG-O-MAT® microflame Micro-soldering and Welding equipment are optimally suited for applications in the manufacture of jewellery and repair service, in the industry for the manufacture of transformers, ventilators and electronic components.

They are geared to the special tasks in medical engineering, dental technology, textile engineering, glass processing, for use in laboratories, test and research facilities. MIG-O-MAT® microflame Micro-soldering and Welding equipment have their own gas production. Based on the electrolysis of demineralised water a hydrogen-oxygen mix is processed which is burning residue-free and cleanly in a micro-flame. The advantage is the high

temperature generated in this way, which can be exactly matched to the respective work task because of the type of evaporator liquid and size of nozzle. Another important aspect is safety and reliability. Manufacture of the equipment is carried out in accordance to the safety-related requirements of DIN 32508, as well as to the accident prevention regulations.

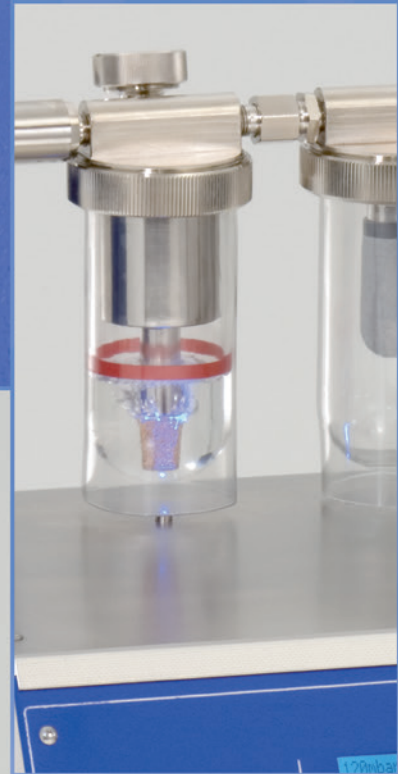


Fully automatic safety test and easy start-up procedure



Control display

Gas drying and upgrading of gas with Booster lighting



Equipment range of the sizes for 80, 140, 170, 240 and 300 litres of gas per hour

High operating safety is ensured by the integrated leak test during each start-up, and the fact that gas is only produced during utilization. The equipment itself does not store any gas. It is only produced the gas volume needed according to the consumption. Low energy consumption and low costs for consumable supplies, such as distilled water and evaporator

liquid, which are easier available than fuel gases or oxygen in gas bottles complete the performance level. Change of the electrolyte is not required for many a year. Mineral cotton packing's for drying the gas are not needed. The units are configured for a compact single place solution for the workshop, up to a unit with a 300 litres gas production, as single or multi-

station unit for industrial applications, and meet the continuously changing tasks in the field of micro-soldering and welding. MIG-O-MAT® microflame offers the latest state of the art of this technology.

Technical Data

	MIG-O-MAT® microflame 80	MIG-O-MAT® microflame 140	MIG-O-MAT® microflame 170	MIG-O-MAT® microflame 240	MIG-O-MAT® microflame 300
Supply voltage [V]	230	230	230	230	230
Mains fuse [A]	10	10	16	16	16
Max. gas production [l/h]	80	140	170	240	300
Work places	1	1 – 3	1 – 3	1 – 8	1 – 8
Width [mm]	340	395	490	490	490
Depth [mm]	250	275	375	375	375
Height [mm]	280	445	515	515	515
Weight [kg]	19	25	48	48	49
Housing	steel-blue	Stainless steel / ultramarine blue	Stainless steel / ultramarine blue	Stainless steel / ultramarine blue	Stainless steel / ultramarine blue

* microflame 140 – 300

Accessories



External stainless steel booster (specifically favourable when using soldering flux solutions, and in case of several work places working independently).



Fan nozzle (optimal for flame-polishing work)

The company



MIG-O-MAT – since 1972 guarantees quality products „Made in Germany“. The long-term experience in development and manufacture of micro-flame soldering equipment reflects in continuously refined products, which are applied around the world in the most different industries – from skilled crafts and trades up to medical engineering and aerospace companies, from Norway to Australia and from USA to Japan.

Scope of supply of all units include:

- Micro-torch with control valve
- Set of burner nozzles
- Burner stand
- Funnel for refilling the distilled water

We may reserve alterations due to technical modifications.



TECHSPANGROUP

Australia: P- 1-800 148 791 | E- info@elma-ultrasonic.com.au | www.elma-ultrasonic.com.au
New Zealand: P- 0800 603 603 | E- info@elma-ultrasonic.co.nz | www.elma-ultrasonic.co.nz

www.techspanonline.com