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UNIVERSAL-MANUAL FLAME CUTTING MACHINE - MODEL **HSE-2000**



no. 1



no. 2



no. 3



no. 4

The machine is lightweight, compact and versatile. The automatic advance – which can be adapted to material strength and type – and its easy handling allow operators to concentrate fully on the cutting line and the torch.

With low gas and oxygen consumption, as well as a high working speed, perfect cuts are achieved (cut quality I according to DIN 2310).

The unit is suitable for operation in small rooms, as power is provided by a built-in accumulator.

Straight and bend cuts after marking:

Automatic advance built into machine, manual guidance and control (no. 2). The same cuts are possible with a fitted support roller (no. 1).

Automatic circular cuts:

from a radius of 30 mm with compass facility. The compass is easy to handle. The three-point machine support for circular cuts guarantees and provides for a solid footing. Feeding in cables and hoses from the top ensures perfect unit movement (no. 3).

Automatic straight cuts:

of unlimited length by means of the roller guides and a standard angle bar NP 5 as a ruler. As the machine rests on the chassis – even in the case of uneven sheets - , right-angled cuts are always achieved (no. 4).

UNIVERSAL MANUAL FLAME CUTTING MACHINE HSE-2000

Technical Data:

Cutting strength:	2-220 mm
Torch:	Three-hose machine flame-cutting torch with flame arrester, equipped as standard either for oxygen/acetylene, -/ propane, -/natural gas or mixed gas
Nozzles:	Thin sheet nozzles from 2-10 mm Nozzles from 6-120 mm Nozzles from 120-220 mm
Valve block:	Gas control by means of easy to access metal-sealing valves fitted in a separate location from the torch.
Drive unit	High performance air-cooled shunted direct current motor using dustproof encapsulated transmission. U-max.: 32 V DC Operating voltage: 0,8 – 27 V
Cutting speed:	75-900 mm/min, electronically controlled (special version, e.g. 150-1700 mm/min on request).
Electrical connection	230V - 50Hz standard (other voltages on demand) with electric output max. 32V DC
Support:	Height and side support.
Vertical and inclined cuts:	In addition to straight cuts, inclined cuts towards both sides can be set; up to 60° possible.
Straight and bend cuts after marking:	Machine advance is automatic, manual guidance and control. The same cuts are possible with a fitted support roller.
Automatic straight cuts:	Unlimited length using the roller guide and a ruler made from normally rolled angle-section and U-section steel with a ridge height of approx. 50 mm. As the machine rests on the chassis – even in the case of uneven sheets - , right-angled cuts are always achieved..
Automatic circular cuts:	From a radius of 30 mm with compass facility. The compass is easy to handle. The three-point machine support for circular cuts guarantees and provides for a solid footing. Feeding in cables and hoses from the top ensures perfect unit movement.
Combination:	A combination of the above cutting options allows a wide variety of forming cut types to be implemented.
Special version:	BRENNFIX manual cutting machine with 2 torches to cut X and V edges, ring flanges, and longitudinal holes.
Auxiliary units:	Chassis for the longitudinal cutting of sections, vertically swivelling torch mounting with travelling tracer roller, plasma torch holder.

Technical changes may be made at any time.