

**MADE IN GERMANY**

Wassermann is a medium-sized, owner-operated company with head office in Hamburg. We design and produce high-quality technical devices in Germany. Our main users are dental laboratories, dental clinics and various industrial areas worldwide.

**Why a Wassermann product?**

Wassermann products are manufactured from high-quality materials and the proportion of plastics used is intentionally kept as low as possible. Our devices are known for their suitability for daily use, functionality and longevity. As a result, the users place high levels of trust in the Wassermann brand. We feel it is our duty to support our customers on a daily basis when it comes to safety, service and productivity. Technological perfection, optimum quality and especially sustainability are the benchmarks we set. Thanks to the combination of these values, the family-owned company, since its establishment in 1927, has gained worldwide recognition as a manufacturer of high-quality products.



HSM-40 Table control unit, basic equipment



HSM-40 Foot control unit with accessory operating controls



HSM-40 Knee control unit, basic equipment



Further information are available on our website at [www.wassermann.hamburg](http://www.wassermann.hamburg)

Your Dental Dealer \_\_\_\_\_

**HSM-50 and HSM-40**



**Laboratory Technology Machines**



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# Laboratory Technology Machines

## HSM-50 & HSM-40



HSM-50 Table control unit, basic equipment



HSM-50 Foot control unit with accessory operating controls



HSM-50 Knee control unit, basic equipment

The motor handpiece of the **HSM** series is a first class multi-function tool for processing all the materials to be found in a laboratory – from plastic to zirconia. Particularly comfortable: The external operating controls. This allows the user very simple but also simultaneous control of all functions and operating modes, as well as infinitely variable speed regulation. The **HSM-50** also has an extremely efficient blow-out function – it makes the constant use of the air gun redundant.

- Powerful and multifunctional motor handpiece, **HSM-50** with blow-out function integrated directly in the handpiece
- Microprocessor controlled speed range
- Optimised speed for less material heating and longer tool life
- Overload protection, Soft-Start, Quick-Stop, clockwise and anti-clockwise rotation at full speed
- Motor free of brushes, maintenance and vibration
- Operating controls: Particularly ergonomic, with overview of all functions and operating states, automatic modes (for the foot control unit available as an option)
- Foot-operated starter for the knee control unit available as an option
- Available as foot, knee or table control unit
- **Included in delivery:**  
Control unit 230 V (foot, knee or table version)  
Motor handpiece  
Rest for handpiece  
Chuck key  
Flat spanner  
Service oil  
Cleaning brush  
Mains cable (Europe)  
Motor cable, 1.8 m  
Operating controls, only K/T  
Holding plate, only K  
Tapping screw, only K  
Foot-operated starter, only T (**HSM-50** with blow-out function)  
Fitting for blow-out function, only **HSM-50 K**  
Hose for air supply, only **HSM-50**

### Major Features

Accessories	Item no.
Motor handpiece	111121
Chuck $\varnothing$ 2.35 mm	111105
Holder for operating controls	111124
Operating controls <b>HSM-50</b>	111117
Operating controls <b>HSM-40</b>	111111
Foot-operated starter with blow-out function <b>HSM-50</b> , only K/T	111119
Foot-operated starter <b>HSM-40</b> , only K/T	111119
E-motor with ISO coupling <b>HSM-40</b> , optional	111123
HSM-50 Foot control unit	Item no. 111986
HSM-50 Knee control unit	Item no. 111987
HSM-50 Table control unit	Item no. 111988
HSM-40 Foot control unit	Item no. 111980
HSM-40 Knee control unit	Item no. 111981
HSM-40 Table control unit	Item no. 111982
Voltage	220–240 V / 50/60 Hz
Power consumption unit <b>HSM-50</b> , <b>HSM-40</b>	200 W, 160 W
Motor capacity <b>HSM-50</b> , <b>HSM-40</b>	160 W, 95 W
W x H x D	253 x 97 x 202mm (F without lever) 253 x 97 x 275mm (F with lever) 108 x 236 x 282 mm (K without bracket) 187 x 236 x 304mm (K with bracket) 236 x 88 x 282mm (T)
Weight <b>HSM-50</b>	3.5 kg (F), 4.7 kg (K), 5.0 kg (T)
Weight <b>HSM-40</b>	2.5 kg (F), 3.7 kg (K), 4.0 kg (T)
Sound level	$\leq$ 55 dB (A)
Speed <b>HSM-50</b> , <b>HSM-40</b>	1000–50000 min <sup>-1</sup> , 1000–40000 min <sup>-1</sup>
Torque <b>HSM-50</b> , <b>HSM-40</b>	7.8 Ncm, 5.5 Ncm
Duty	S6 (4/10 min) continuous operation with interrupt load
Blown out air pressure (input) <b>HSM-50</b>	max. 6 bar (87 psi / 600 kPa)