



***Universal laboratory tools***  
**2021**

# XENOX Universal laboratory tools

## XENOX motor handpieces MHX and MHX/E

- are precision tools for opticians, hearing aid acoustic technicians, jewellery and goldsmith workshops, design studios, electronics technicians, dental laboratories as well as for manicure and pedicure.
- offer perfect and reliable technology at reasonable prices.  
Please refer to the service note at the back:  
If you should have technical problems, we won't let you down !



MHX



MHX/E



## XENOX motor handpieces MHX and MHX/E

Unrivalled for handiness with a diameter of only 35mm. Slim housing in grip area for easy manageability in pen and fist position. Smooth running and pleasantly quiet thanks to the balanced specialty DC motor with ground ball-bearing spindle. Spindle for tool exchange can be locked at the push of a button. High-quality steel collets (one each of 1 – 1.5 – 2 – 2.35 – 3 and 3.2mm are included in the scope of delivery) ensure the shanks are clamped absolutely centrically. The accessories will neither wobble nor vibrate !  
Feed line: 150cm long spiral cable with reverse protection specialty plug for the control unit's polarised socket. Both devices are operated with low volt safety voltage (12 – 18V) and are approved for working with liquids (coolants), too. We recommend our SGX control unit (see right) as power source.

### Technical data:

Direct voltage	12 – 18V
Power consumption	up to 40W
MHX speed	20,000rpm
MHX/E speed	adjustable from 5,000 – 20,000rpm
Length	approx. 220mm
Weight	approx. 230g

NO 68 500  
NO 68 510

MHX  
MHX/E

# XENOX basic set

## XENOX basic set with motor handpiece MHX and control unit SGX



An inexpensive basic workstation for fine laboratory work:

For drilling, milling, grinding, polishing, cleaning, cutting, engraving and marking. Motor handpiece and control unit as described below. Convenient speed pre-selection via knob at control unit for speeds from 5,000 to 20,000rpm.

Including steel collets 1 – 1.5 – 2 – 2.35 – 3 and 3.2mm.

NO 68 600

basic set

The accessories shown in the picture are not included in the scope of delivery.

## XENOX control unit SGX

### The safe power source for motor handpieces MHX and MHX/E.

Speed control knob with feedback effect for stable rotational speeds and high torque also in the lower range. Three connection sockets for XENOX plugs. One universal connection for banana plugs (Ø 4mm). Compact housing made of NORYL with practical storage holes for accessories with 2.35 and 3mm shanks. Foldable tool rest.

#### Technical data:

230V, 5A at 12V operating voltage. Class 2 insulation.

NO 68 704



### XENOX steel collets

For use with motor handpieces MHX and MHX/E as well as for the bench drill machine TBX (page 6). Triple slit. Hardened and with high, consistent flexibility.

The precondition for central clamping and high concentricity of the accessories.

One each for shanks 1 – 1.5 – 2 – 2.35 – 3 and 3.2mm in a practical holder.

NO 68 940

### XENOX extension cord (300cm)



Practical helix cable with reverse polarity-protected wall-socket and XENOX plug for XENOX control units.

NO 28 992



# Accessories for specialty set (NO 68 516)



*The 24 bits and cutters as described below (not available individually) are of first-class quality and part of the specialty set NO 68 516 !*



**Rose-head burs**

2 pieces each 0.7 – 1.6 and 2.9mm. For work on nails. For the treatment of corns.



**Cross-cut drills**

2 pieces each 0.9 – 1.4 and 2.3mm. For work on nails. For the treatment of corns.



**Cross-cut fissure burs**

2 pieces each 1, and 1.8mm. For work along the nail fold.



**Specialty bur**

1 piece 10mm. For cornea and nails.



**Specialty bur**

1 piece 10mm. For cornea and nails.



**Cross-cut bur**

1 piece 6mm. For cornea and nails.



**Cross-cut bur**

1 piece 6mm. For cornea and nails.



**Long hole cavity cutter**

1 piece 2.3mm. For the treatment of corns and cornea.



**Aluminium-oxide grinding bit (pink)**

1 piece each bullet (5mm) and cone (2.5mm). For cornea and nails.



**Specialty grinding bit (white)**

1 piece 10mm. For cornea and nails.



Composition and design © by XENOX  
Elegant but sturdy plastic case with securely engaging latches for perfect storage.

## Specialty set for manicure and pedicure



### **XENOX specialty set for manicure and pedicure**

*Incl. motor handpiece MHXIE and power supply unit. Packed in elegant plastic case. Available with or without accessories.*

Handpiece with slim housing in grip area for easy manageability in pen and fist position. Smooth running and pleasantly quiet thanks to the balanced specialty motor with ground ball-bearing spindle.

Speed control knob for easy setting of speeds from 5,000 to 20,000rpm directly on the tool. For tool exchange spindle can be easily locked at the push of a button. High-quality steel collets (one each of 1 – 1.5 – 2 – 2.35 – 3 and 3.2mm) ensure the shanks are clamped absolutely centrally. The accessories will neither wobble nor vibrate!

Complete with power supply unit (1A) for 230V mains supply. With or without 24 accessories, as described on the left.

**NO 68 516**    **with 24 bits and cutters**  
**NO 68 518**    **without accessories**



# XENOX-bench drill machine TBX



The machine vice MSX shown in the picture is not included.

- For precise drilling of the smallest of holes.
- Extremely quiet and durable.
- Drive via triple split belt pulley. Shifting the flat drive belt provides three spindle speeds with triple torque at lower speeds.

## Drill chuck

For clamping shanks from 0.6 – 6.5mm. High speed accuracy (allowed up to 10,000rpm). 3/8" thread: to be used on bench drill machine TBX. Incl. drill chuck key.



NO 68 122



## XENOX bench drill machine TBX

Machined work table of aluminium die-cast (220 x 120mm) with parallel adjustable stop and scale. Solid, hard-chromium plated steel column. Machine head of aluminium die-cast with precisely manufactured guides and fits. Practical drilling gauge with adjustable stop.

Tool fitting by means of triple-slit steel collets, 6 pcs. in sizes 1 – 1.5 – 2 – 2.35 – 3 and 3.2mm (included).

3/8" thread allows for working with a drill chuck, as well (see NO 68 122).

## Technical data:

Voltage	230V
Power consumption	85W
Frequency	50 – 60Hz
Spindle speeds	1,800 – 4,700 and 8,500rpm
Throat	140mm (column inside up to middle of drill spindle)
Sleeve stroke	30mm
Weight	approx. 3.3kg

NO 68 128



# XENOX MICRO-compound table KTX



- Made of surface-treated highly solid aluminium.
- Fitted with adjustable dovetail guides.

## XENOX MICRO-compound table KTX

Three continuous T-slots (12 x 6 x 5mm). Adjustable ruler for positioning the cross slide. Handwheels with zero-resettable graduated dials (1 revolution = 1mm, 1 division = 0.05mm). Including step clamps as depicted and securing bolts for bench drill machine TBX, which are also suitable for general-purpose uses.

### Technical data:

Table size	200 x 70mm
X travel (diagonal)	134mm
y travel (depth)	46mm
Maximum height	43mm

NO 67 100

## XENOX machine vice MSX

Made of die-cast ZINC. With a slot as fit for the adjustable stop of the bench drill machine TBX. With three machined sides. Vertical and horizontal V-slots in jaw for holding round material. Jaw width 50mm and height 10mm. Maximum clamping width 34mm.

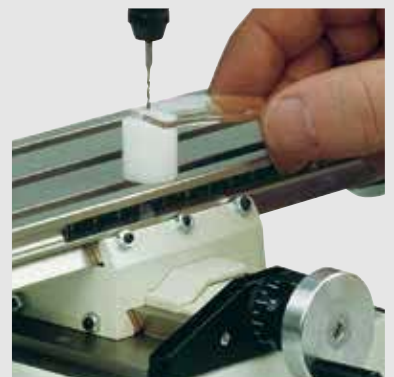


NO 68 132

## Flexible support plate

For drilling spectacle lenses. With thread and square nut for the T-slots of the MICRO-compound table KTX.

Can also be clamped with machine vice MSX (horizontal V-slot available). Outer diameter 16mm, tapped hole diameter 7mm. Support height 18mm, made of solid plastic.



NO 67 101

## **Service Note**

*XENOX Universal laboratory tools are manufactured according to the highest quality standards. All machines leaving our company have undergone a piece-by-piece final inspection and testing. However, if a defect should occur during operation please, contact us directly at:*

### **XENOX Service Centre**

*Dieselstraße 3 – 7,  
DE-54343 Föhren  
Germany  
office@xenox.com  
www.xenox.com*

*We will help you in a speedy, uncomplicated manner and will supply you with spare parts upon request.*

XENOX  
a special division of  
PROXXON GmbH  
Industriepark Region Trier  
Dieselstraße 3 – 7  
DE-54343 Föhren  
Germany  
Telefon +49 (0) - 65 02 – 93 17-0  
Telefax: +49 (0) - 65 02 – 93 17-200  
e-mail: office@xenox.com  
www.xenox.com

