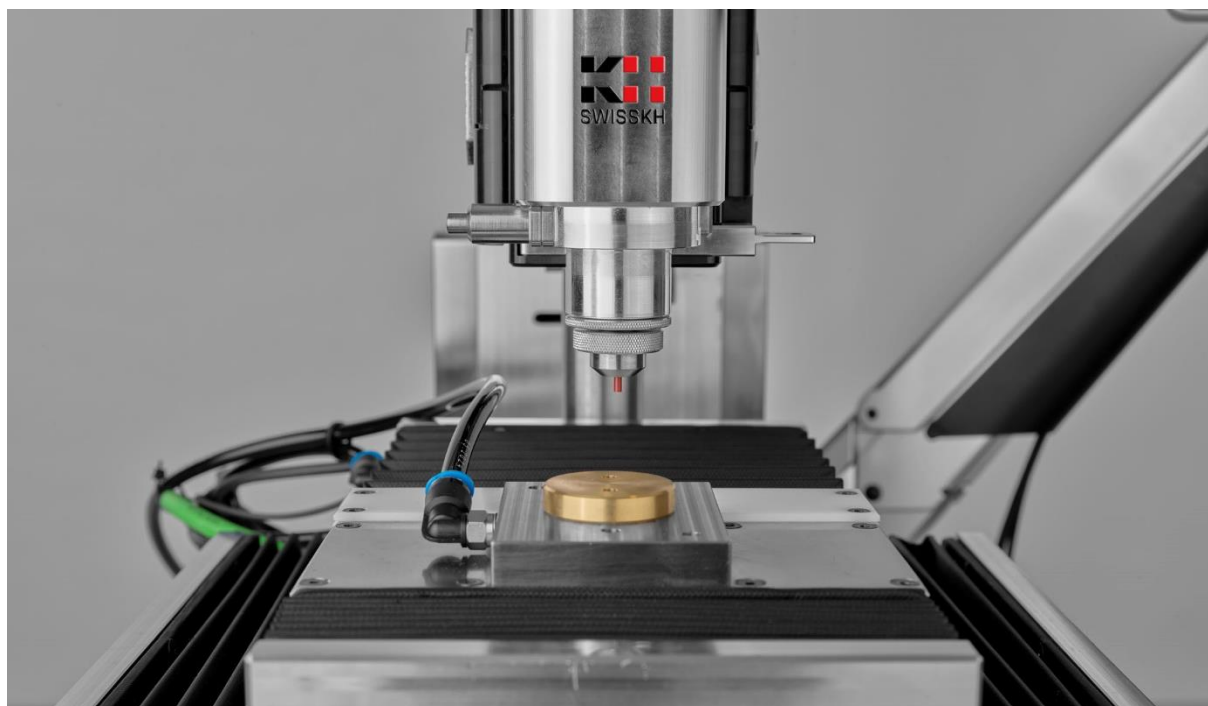


HORLOGERIE

PERLAGE – beading DRILLING

with SwissKH®



SwissKH® Quattro® CNC beading machine

art. 1008254 Grey

The SwissKH semi-automatic CNC beading machine has been designed and redesigned to meet the specific needs of users. With its ergonomic design and sober styling, it will turn heads in your workshops. What's more, its HMI is intuitive with its touch screen. You can save your part numbers.

Above all, this beading machine has a vertical descent! The result is incredible bead rendering, and an intense reflection of your decor. Top-of-the-range products require top-quality machines, and we've got just the thing.

The finesse and strength of high-quality watchmaking decoration is transmitted live to the master watchmaker's fingertips. Operation is simply by means of a rigid aluminum lever, which increases the force tenfold.

ELECTRO-SPINDLE

NO BELT

QUATTRO®

SENSITIVE SYSTEM
WITH VERTICAL
DESCENT

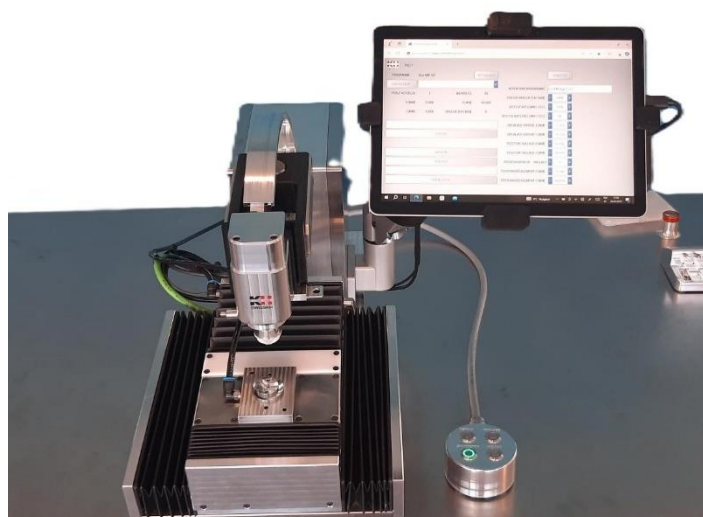
HMI

REMOTE TOUCHSCREEN

TOUCHSCREEN AND INTUITIVE
FUNCTIONS

RECORDING OF PART AND MACHINE
PARAMETERS

REFERENCE DATABASE



CONSUMPTION

24V AND
EVERYTHING
WORKS!

AN ENERGY-
EFFICIENT MACHINE.
230V CONNECTION

Perleuse CNC Quattro® de SwissKH®

art. 1008254 + 1003754

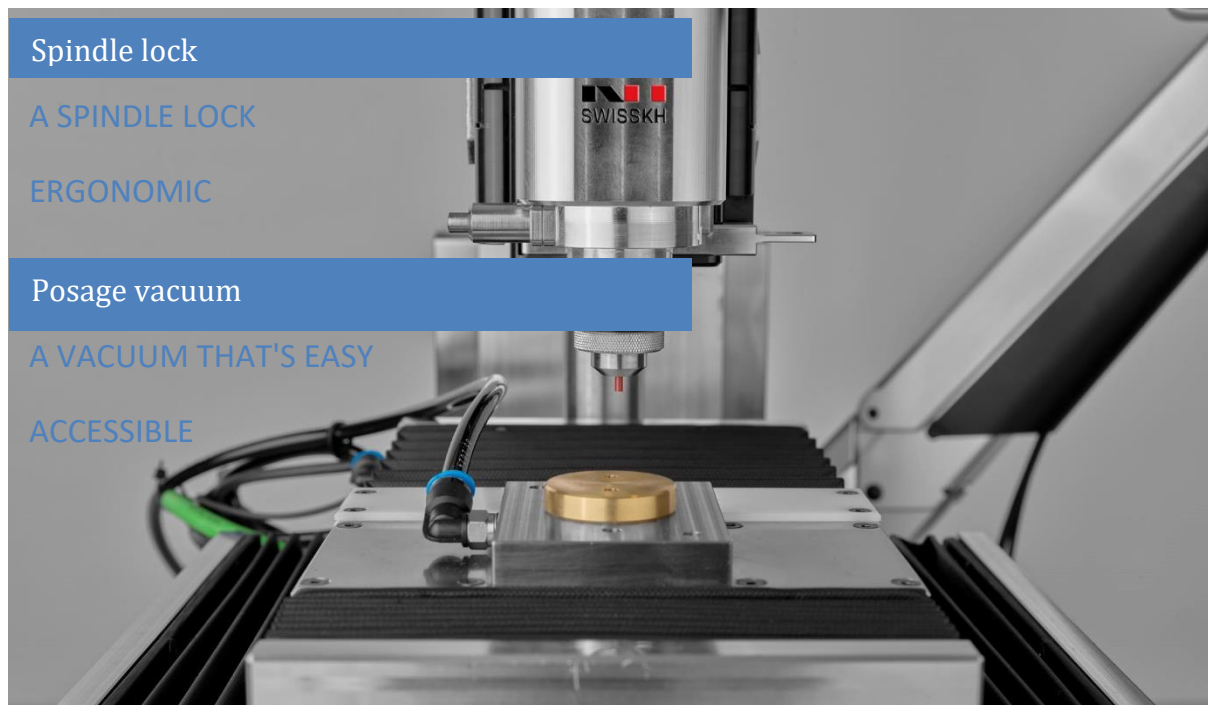
The CNC beading machine remains small and compact, with a base dimension of 200mm x 400mm.

It comes with a 1600mm x 800mm x H900mm (fixed) multi-purpose wooden workbench with a 3mm stainless steel cover, and a control cabinet attached to the workbench.

OPTION: PRECISION STOP

THE PRECISION STOP ALLOWS BETTER
MANAGEMENT OF MICRO-DRILLING
DEPTHS.





A raw aluminum base machined from solid with a fixed 8° angle to improve visualization of the workpiece during operation.



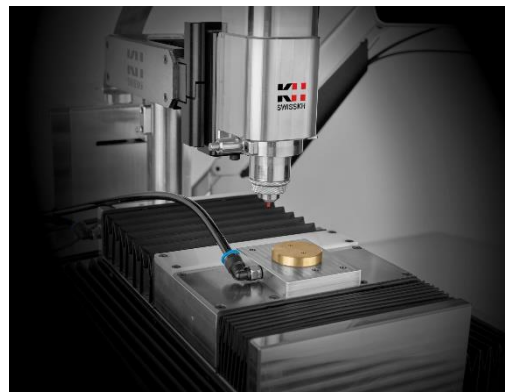
Numerically controlled table

High-precision rail-mounted motion system on two digitized XY axes

Travels: X = 50mm Y = 80mm

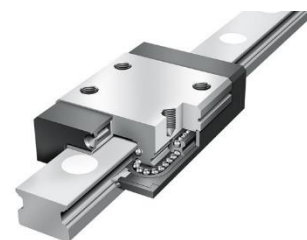
Improved travels are available on request.

Positioning accuracy - repeatability: +/- 3 microns thanks to integrated linear rulers.



Special guide for SwissKH® beading machine *art. inclu*

This special guide features high-quality recirculating ball bearings for ultra-smooth movement. This option is not backwards compatible. The choice of this option must be defined when ordering.



Improved spindle with collet system for SwissKH® beading machine

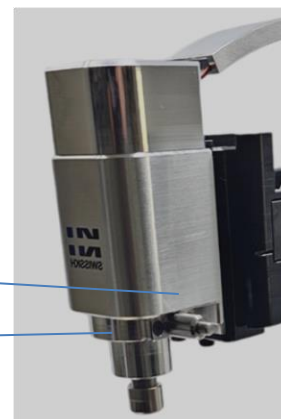
art. inclu

The improved spindle system does two things:

- Drilling
- Lateral locking for rapid tool change (SMED)

Manual spindle lock at the touch of a button

Spindle with force recovery



EX9 nut for drilling and beading system for SwissKH® beading machine

art. inclu

This system can clamp tools of various diameters, from 0.5 to 5mm. It complements the spindle reinforcement option for reworking.

Knurled nut for beading system for SwissKH® beading machine

art. 1004052 (obligatoire ou / et n°1004055)

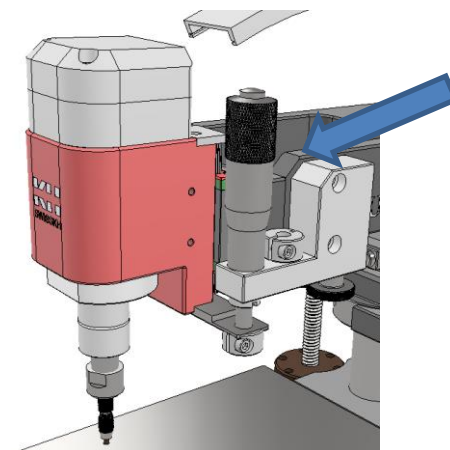
Clamps used: Schaublin ESX9 / EX9 UP



Measuring option, micrometric stop for SwissKH® beading machine

art. 1001401 (optionnel)

The micrometric stop allows precise depth settings, useful for reworking or drilling.



Remote, single-wire control for SwissKH® beading machine

art. inclu

Four control buttons for :

- Vacuum release
- Bead return
- Start-stop
- Cutting position



LED lighting for SwissKH® beading machine

art. 1003084 (optionnel)

The 5'700K directional LED light offered was developed by SwissKH, and other colors are available on request.

The light can be rotated and angled mechanically, and is mounted on a flexible hose. These features make the lamp easy to position.

Touch screen - tablet for SwissKH® beading machine

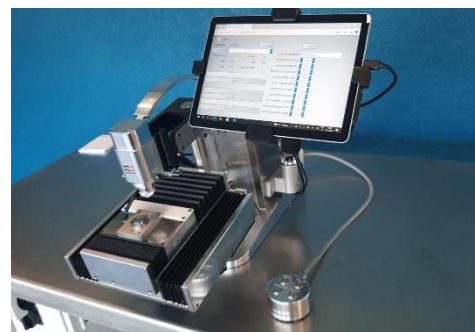
art. inclus (obligatoire)

The SwissKH® beading machine control screen option is hard-wired. It is attached to a support arm and connected directly to the machine frame.

- Latest-generation Windows Pro tablet, touch-sensitive
- o Devices up to 22" can be offered on request
- With special SOFT for beading
- CSV stitch list

Options available on request:

- Connection to your ERP (statistics, database, etc.)
- Interface with Alphacam license for beading module



Alphacam license, beading module

art. 1008199 (optionnel)

Alphacam overlay license for beading.

The software lets you place beads visually and create realistic renderings.

It lets you generate beads automatically and move them manually with ease.

[https://www.linkedin.com/posts/swisskh_mwprogrammation-swisskh-alphacam-activity-7264712365672157184-](https://www.linkedin.com/posts/swisskh_mwprogrammation-swisskh-alphacam-activity-7264712365672157184-PXjv?utm_source=share&utm_medium=member_desktop&rcm=ACoAAA1LXI8BhlkOGI3p18filk6WJ2Un_xUwd7A)

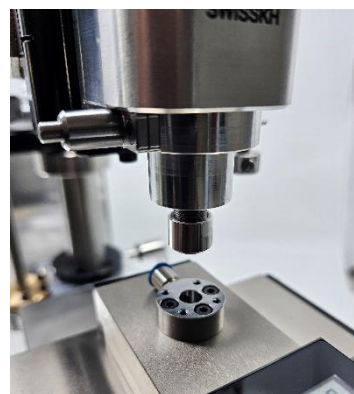
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Stainless steel fixture with vacuum for SwissKH® beading machine

art. 1008477 (optionnel)

This new fitting allows SwissKH standard fittings to be pinned to cross slides.



5S SwissKH® storage system

art. 1000684

This storage unit lets you find all your tools in a jiffy. There's no need to search for them any more, and no need to spread them out on the worktop, thanks to this useful storage unit, tailor-made for standard accessories. Attachment from the underside increases the usable surface area. The storage system is customizable on request.



SwissKH® storage system in bead-blasted aluminium (color on request)

With 3 mandrels

Attaches to the extended base plate or to your workbench.

The holder is magnetized, making it easy to move.

Slots for:

- 6x drill chucks (3 standard sizes)
- 4x Diamonds for bead reducer
- 1x Perloir reducer support
- 7x Racks for perloirs

SwissKH® drill chucks

The chucks hold your cratex. Other sizes available on request.

Art. 1000372 mandrels ø1.5mm

Art. 1000373 ø2.0mm chucks

Art. 1000374 ø3.0mm mandrels



Shank diameter is 2mm.

EASY START™ kit Schaublin EX9 UP collets

art. 1008151 comprend :

- Art. 1008154 1x Pince EX9 UP ø1.00
- Art. 1008155 1x Pince EX9 UP ø1.50
- Art. 1008156 1x Pince EX9 UP ø2.00
- Art. 1008157 1x Pince EX9 UP ø2.50
- Art. 1008158 1x Pince EX9 UP ø3.00
- Art. 1008159 1x Pince EX9 UP ø3.17 (1/8")
- Art. 1008160 1x Pince EX9 UP ø3.50
- Art. 1008161 1x Pince EX9 UP ø4.00
- Art. 1008163 1x Pince EX9 UP ø4.50
- Art. 1008162 1x Pince EX9 UP ø5.00

Other sizes are available on request and can be sold individually.

Schaublin EXS9 collets

- Art. 1008349 Pince ESX9 ø1.00
- Art. 1008345 Pince ESX9 ø1.50
- Art. 1008346 Pince ESX9 ø2.00
- Art. 1008350 Pince ESX9 ø2.50

Art. 1008347	Pince ESX9 ø3.00
Art. 1008351	Pince ESX9 ø3.50
Art. 1008348	Pince ESX9 ø4.00
Art. 1008352	Pince ESX9 ø4.50
Art. 1008198	Pince ESX9 ø5.00

Unirock perloir reducer

The perloir reducers are fitted to the support. These are used to “trim” the beads to a smaller diameter. All sizes are available made-to-measure!

Support :

Art : 1000371



Reducers :

Art : 1000366 ø1.0

Art : 1000367 ø1.5

Art : 1000368 ø2.0

Art : 1000369 ø2.5

Art : 1000370 ø3.0



Color options, engraving and painting on request

Art.1008305 (optionnel)

In line with our commitment to CSR, the SwissKH® beading machine comes in the colors of the materials processed. On request, we can also color, engrave or paint beading machine components.

SwissKH® drilling-beading machine

custom-made art.

In short, it's a superb tool for all today's high-end beading needs. The technology on offer also gives you greater control over your processes.

A new tool to meet all your needs!



As an engineering office, we can develop and realize all your specific needs!

"The future is not what's going to happen, but what we're going to do!"

Bryan Gosparini, CEO