WATCHMAKING

BEADING
TAPPING

with SwissKH®

SwissKH® beading machine with Quattro® system

Art. 1000680 with option 1001399

The SwissKH beading machine has been designed and redesigned according to the specific needs of users. A sober design that will turn heads in your workshops.

This beader has a vertical descent! This allows you to have an incredible rendering of the pearl, and an intense reflection of your décor. The top of the range requires quality machines and we have one to offer.

The finesse of the strength of the high-quality watch decoration is transmitted live to the master watchmaker's fingertips. The actuation is simply done by a rigid aluminum lever that allows the actuation force to be increased tenfold.

ELECTROSPINDLE

MORE BELT

QUATTRO®

PATENTED SENSITIVE SYSTEM WITH VERTICAL DESCENT

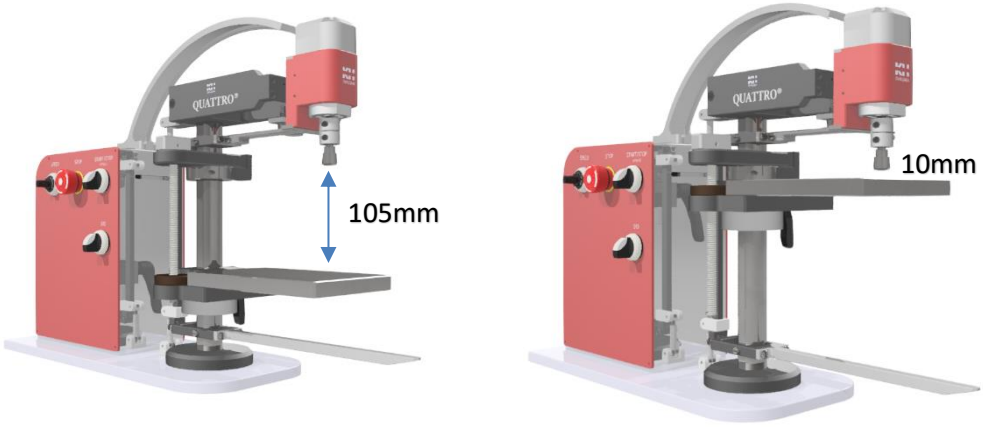
CONSUMPTION

24V AND EVERYTHING WORKS! A MACHINE THAT DOES NOT CONSUME MUCH ENERGY. 220V CONNECTION

OPTION: PRECISION STOP

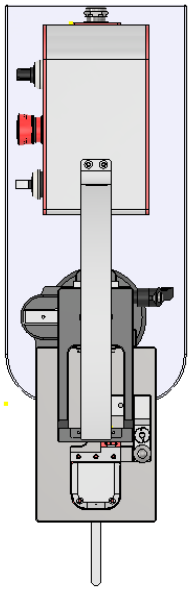
THE PRECISION STOP ALLOWS FOR BETTER MANAGEMENT OF THE DEPTHS OF MICRO-PENETRATIONS.

Height-adjustable slide allowing a passage of 105mm under the cleat:

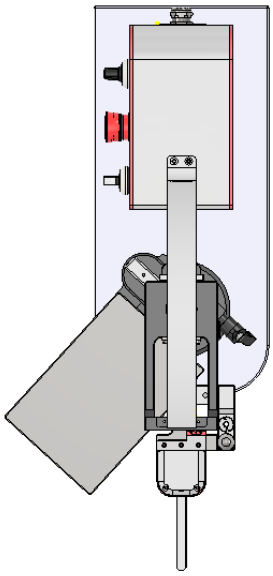


Ease in handling tools and improving the visualization of the workpiece during work thanks to the angular freedom allowing quick release.

Working position



Clear position

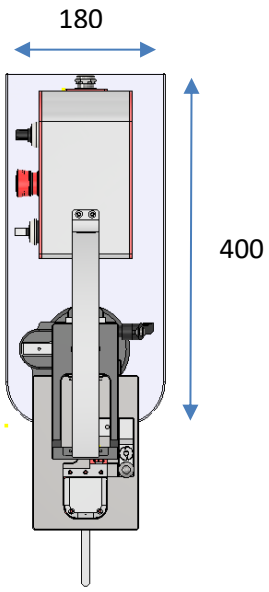


SwissKH® beading machine with Quattro® system

Art. 1000680, without option 1001399

The Stand Alone beading machine is small and compact, with a base of 180mmx400mm.

It allows simple management via its control buttons.



Guide rail option for SwissKH® beading machine

Art. 1008117

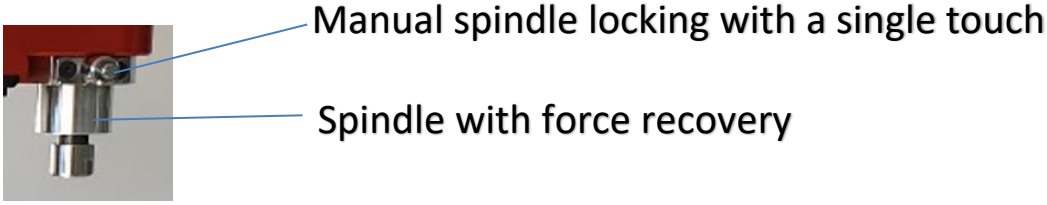
This option provides 2 guide rails in order to have a rigid descent. This option is recommended for drilling, tapping, and reaming.

Improved spindle option for the SwissKH® beading machine

Art. 1008107

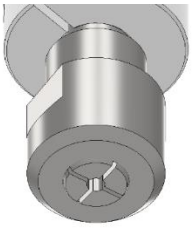
The improved spindle system allows two things:

- Drilling (and tapping if option taken)
- Side lock for quick tool change (SMED)



Collet system for the SwissKH® beading machine

Art. 1001440



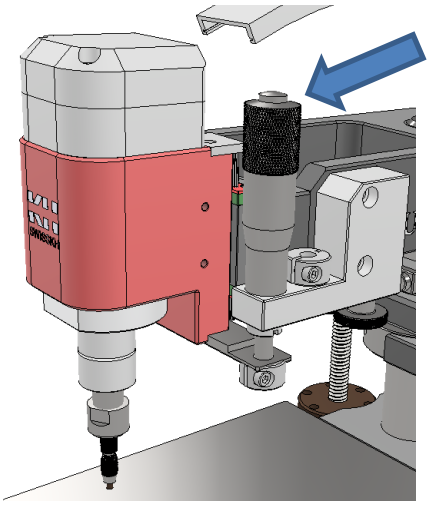
This system allows the clamping of tools of different diameters, from 0.5 to 5mm. It is complementary to the spindle reinforcement option that allows for rework.

Clamps used: EX9 UP

Measurement option, micrometric stop for SwissKH® beading machine

Art. 1001401

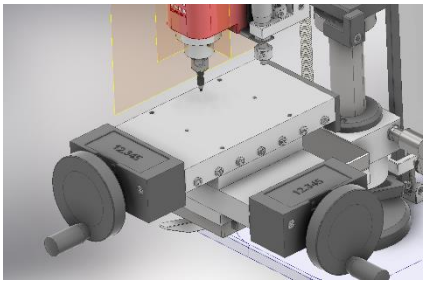
The micrometric stop allows precise depths to be adjusted, useful for rework or drilling.

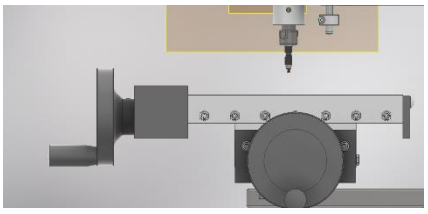


Option digital cross slide 0.001mm for SwissKH® beading machine

Art. 1008109

The digital cross slide allows is made of nickel-plated cast iron. The digital vernier has a precision of 0.001mm and is easily operated with a manual handwheel.





Stainless steel setting with vacuum for SwissKH® beading machine

Art. 999

This new installation makes it possible to clamp the standard SwissKH installations on the cross guides.

Vacuum actuation pedal for SwissKH® beading machine

Art. 1003002

This option will allow you to free your hands and progress faster in the tasks at hand while being more careful.

SwissKH® beading machine chucks

Art. 1000372 / 1000373 / 1000374

The mandrels allow you to hold your cratex. Other sizes available on request.

Item 1000372: ø1.5mm

Item 1000373: ø2.0mm

Item 1000374: ø3.0mm

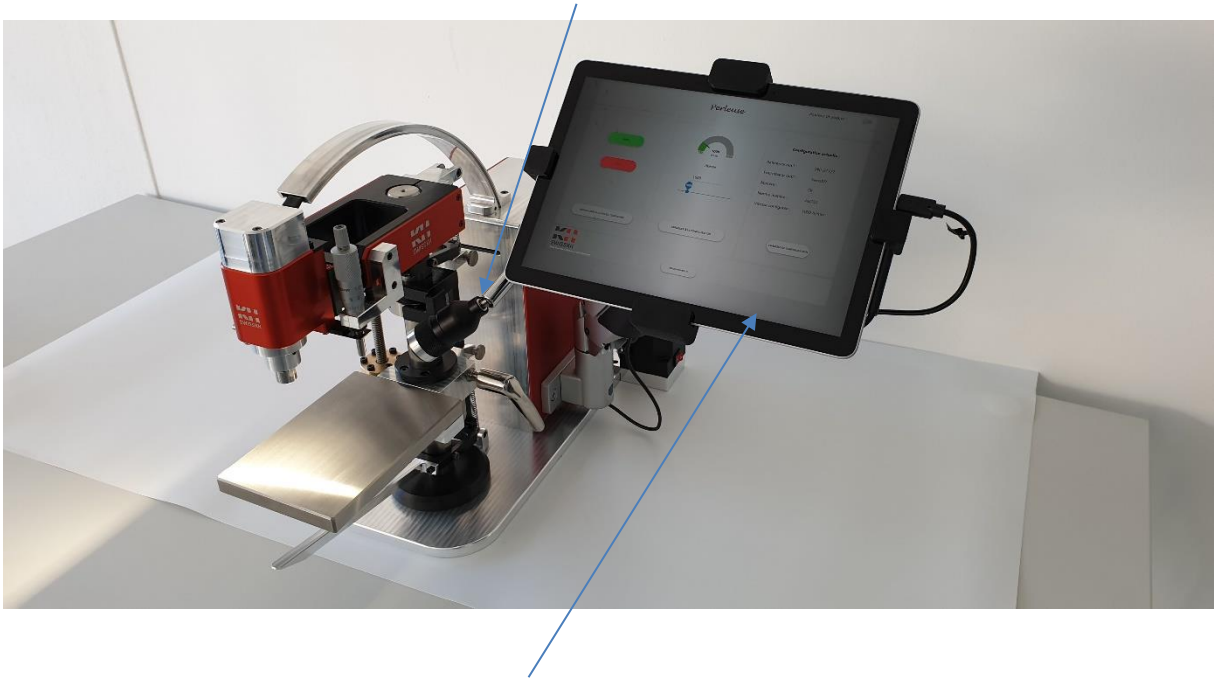
The tail diameter is 2mm.

LED lighting for SwissKH® beading machine

Art. 1003084

The 5,700K adjustable LED lighting offered was developed by SwissKH and other colours are available on request.

The lighting can be mechanically rotated and angled and the whole thing is on a hose. These elements make it easy to place the lamp.



Touch screen - tablet for SwissKH® beading machine

Art. 1008108

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

- Latest generation Windows Pro tablet, touch
- With special SOFT for tapping included, and recipes

Option possible on request: Connection to your ERP (statistics, database, etc.)

SwissKH® linear and rotary beading system

Art. 1000683 (Art.1000681+1000682)

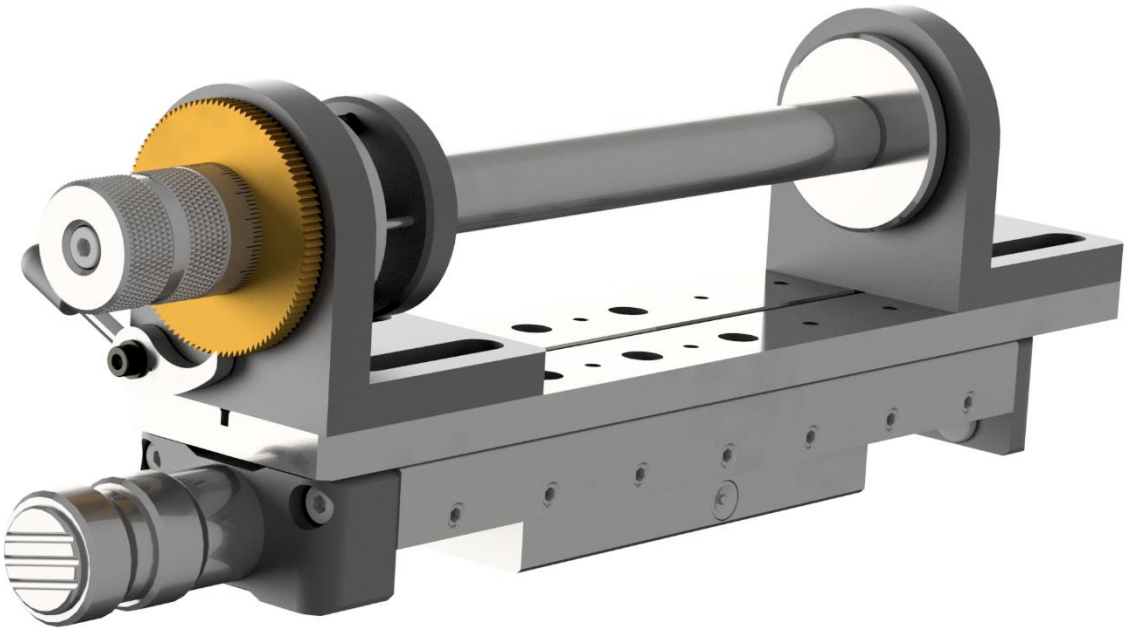
The rotating system is an element that makes it possible to adapt standard inter-point placements. The fixtures can be placed vertically and on storage plates / micro-pallets, which makes it possible to manage series while protecting the quality of the parts. If you've never seen radial beadwork, it's beautiful! Photo to come.

A ratchet system is in place on the rotation, it is more difficult to be regular on a radial circular. The wheels are custom made of brass. The ratchet system can be disengaged using a lever placed at the rear.

A spring quick clamping is present, it only takes 2 seconds to remove the installation.

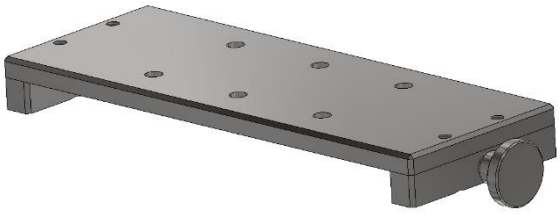
The installations also allow adaptations on laser and other machines. SwissKH is there to advise you in the flow and offer you the most suitable installations for your use.

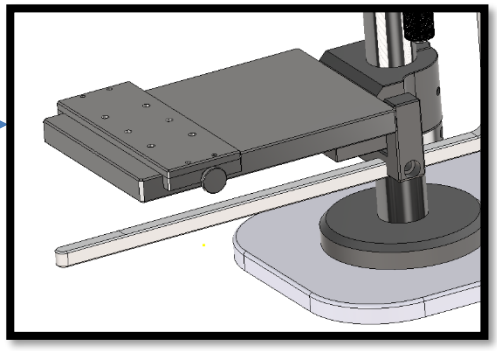
The linear system is composed of a rigid eagle's tail slide. It can be used alone (see article 1000681). The advantage of a slide system is that the alignment can be different depending on the diameter on which you are located. Standard beading is possible, but spiral beading? It's very artistic! And unlike the ratchet system, you have more freedom and you need less tooling.



SwissKH® slide support

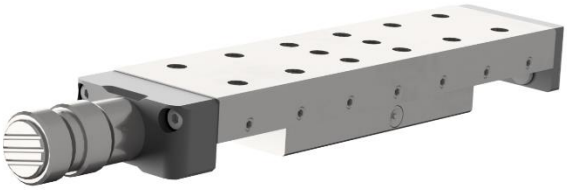
Art. 1001402



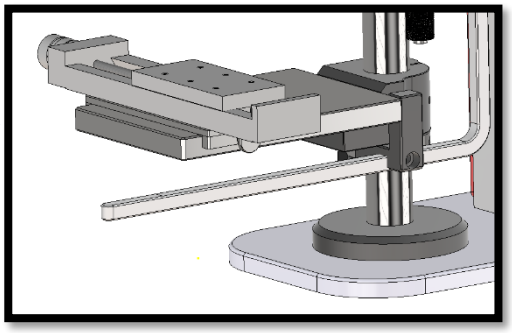


SwissKH® linear beading system

Art. 1000681

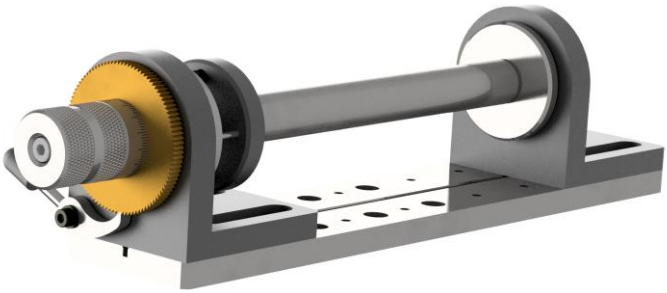


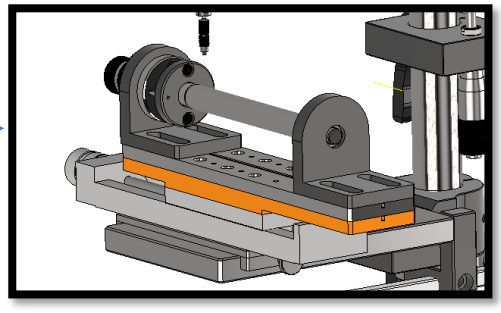
Can be mounted on both sides (left-right and top-bottom symmetry).



SwissKH® rotary beading system

Art. 1000682 (compatible 1000681)





SwissKH® 5S Storage System

Art. 1000684

This storage allows you to find all your tools in a jiffy. No need to look for these elements, no more display on the worktop thanks to this useful and tailor-made storage for standard accessories. Fixing from below increases the usable area. The storage system can be customised and on request.

SwissKH® storage system made of bead-blasted aluminium (in colour on request)

Attaches to the enlarged base plate or to your workbench.
The support is magnetic, so it can be easily moved.

Locations for:

- 6x Chucks (3 standard sizes)
- 4x Diamonds for Pearl Reducer
- 1x Pearl Reducer Holder
- 7x Compartments for Pearl Bears

Unirock Pearl Holder and Reducer

Art. 1000371 / 1000366 / 1000367 / 1000368 / 1000369 / 1000370

The pearl reducers are housed on the support. The latter are used to "prune" the pearls to a smaller diameter. All sizes are available to measure!

The support:

Article 1000371

Gearboxes:

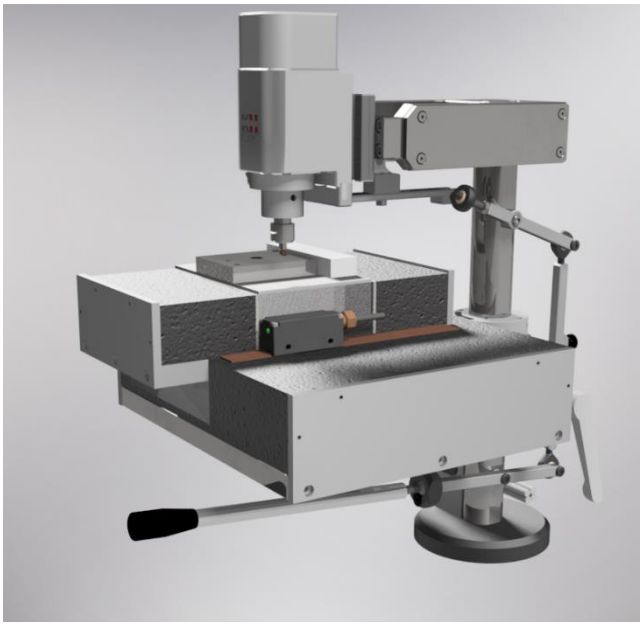
Art: 1000366 ø1.0
Art: 1000367 ø1.5
Art: 1000368 ø2.0
Art: 1000369 ø2.5
Art: 1000370 ø3.0

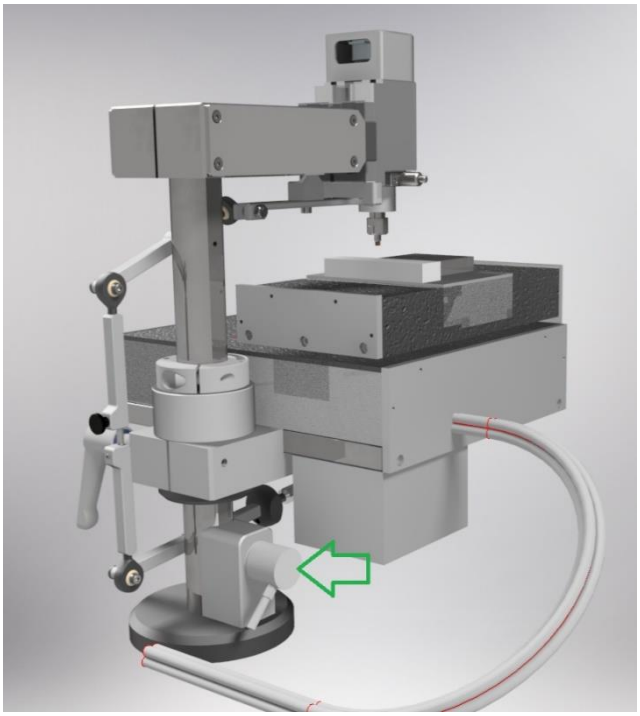
SwissKH® CNC XY axis system for semi-automatic beading machine

Art. 1000684

This XY axis system has strokes of 60mm x 90mm. A simple wire control allows the vacuum to be triggered, a bead returned, and start-stop.

- Tablet screen management (see linked option, mandatory)
- CSV Item List
- Electrical cabinet to be offset under the workbench.





At the back is located an angle encoder that allows the user's movement to be checked and allows the following axis system to be started on the bead:

SwissKH® beading machine with Quattro® system

Art. 1000680 with option 1001399

To sum up, it's a superb tool for all today's high-end beading needs. The technology offered also allows you to have better control of your processes.

A new tool to meet all your needs!

We are an engineering office, all your specific needs can be developed with us!

Without screen option

With display option