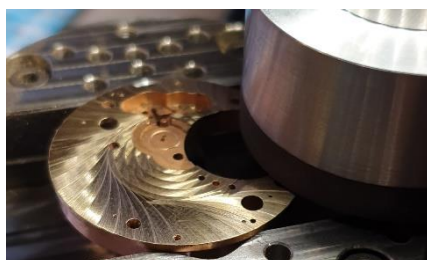


ANGELO

Watchmaking

THE STRIPES GENEVA
THE CIRCULAR STRIPES GENEVA
THE COLIMACONNAGE
THE SOLEILLAGE
THE ROSACES
THE DAMASKEENING

with SwissKH®.



Angelo SwissKH® machine

art. 1001450, 1001451, 1001452, 1001453, 1001454

The Angelo machine from SwissKH has been designed and redesigned according to the specific needs of the users. A sleek design, a dynamic line and a high quality HMI that will turn heads in your workshops.

The Angelo machine has undeniable assets. It allows the reproduction of angles for your specific decorations with 0.01 degrees of precision, it allows a lighting of 6'000K°, it is equipped with vacuum on the part and on the tool. The ratio between the motors can be managed for each of your references. The motor that drives the part can be easily disassembled to allow you to let your imagination run free by using the energy and inertia of the vice on a bearing. The top of the range requires quality machines and we have one to offer.

Brushless motors

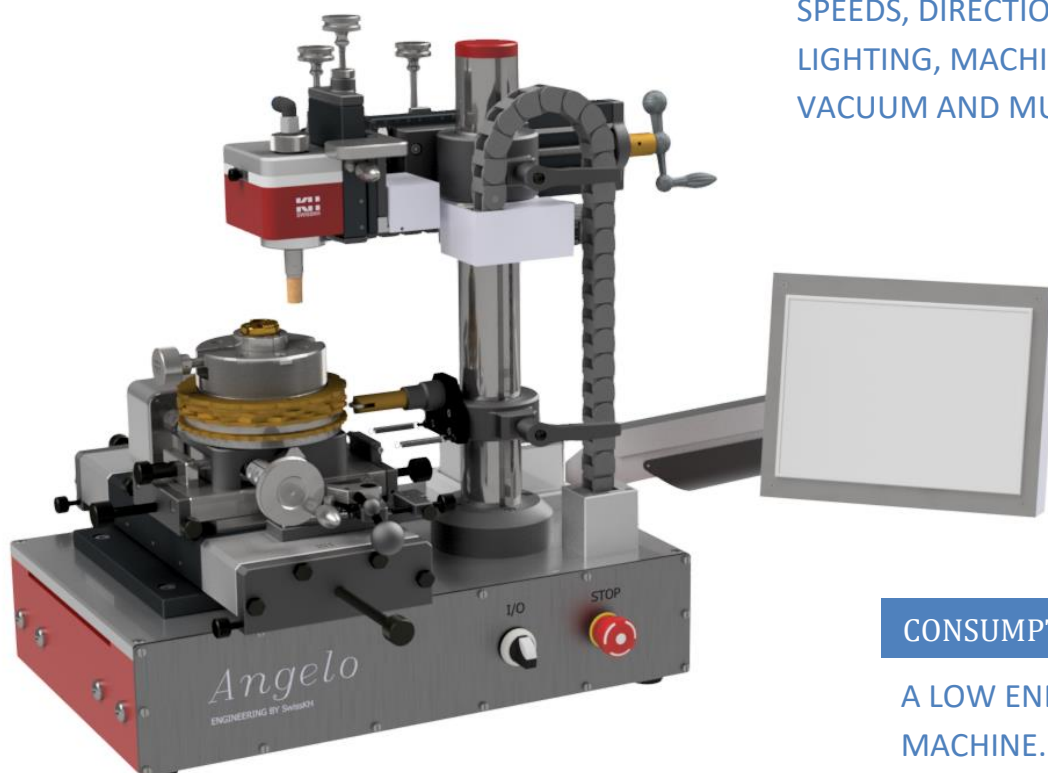
HIGH EFFICIENCY

Angelo

ALLOWING THE
REALIZATION OF 5
DECORATIONS AND
MORE

HMI

THE ERGONOMIC TOUCH SCREEN
WITH INTUITIVE SOFTWARE WILL
ALLOW YOU TO MANAGE MOTOR
SPEEDS, DIRECTION OF ROTATION,
LIGHTING, MACHINING ANGLES,
VACUUM AND MUCH MORE.



CONSUMPTION

A LOW ENERGY
MACHINE. 220V
CONNECTION

History

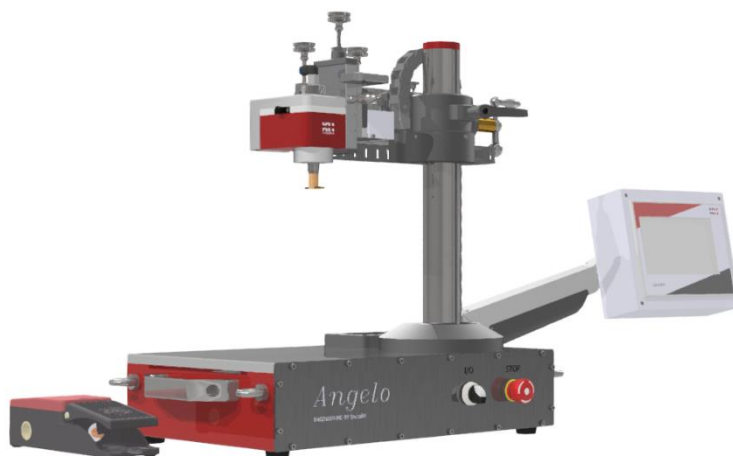
MACHINE FROM THE MOST ADVANCED
WATCHMAKING WORKSHOPS IN TERMS OF KNOW-
HOW.

Angelo SwissKH® machine

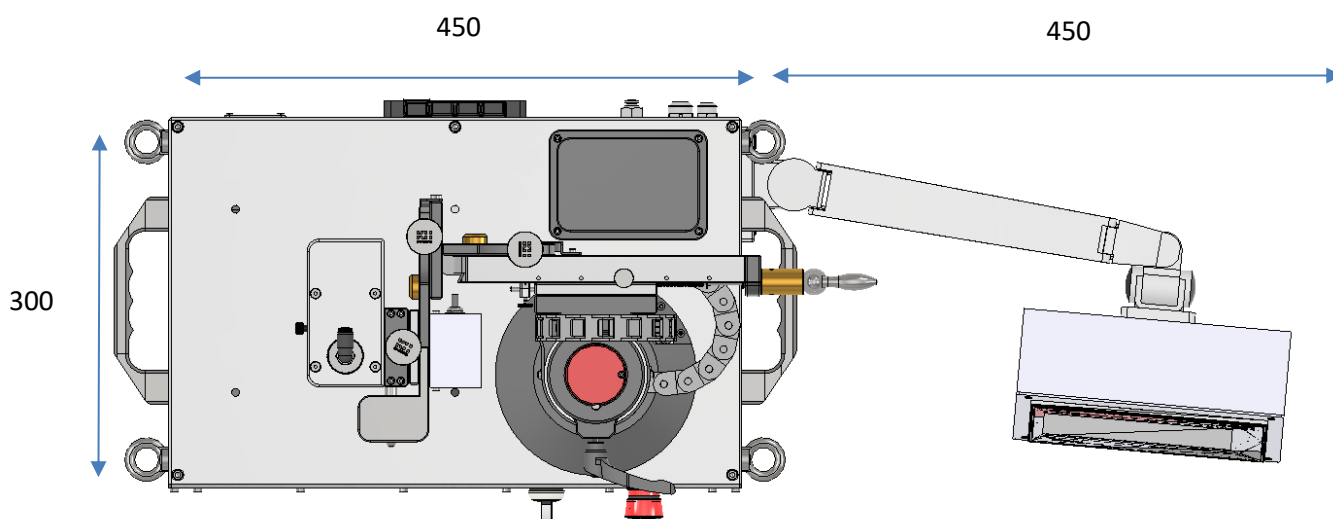
art. 1001450

The SwissKH decorating machine model "Angelo" is a base on which we add the desired options.

The HMI and the motorization of the base allow to have a sound and rigid base for the decorations:



The machine is compact, its base being 180mmx400mm. It allows a simple and easy management by the HMi.



Its weight is about 100Kg with all options. Handles are delivered with it for transport as well as eyelets for fixing it on trucks or pallets. We deliver replacement screws for use.

Two angles

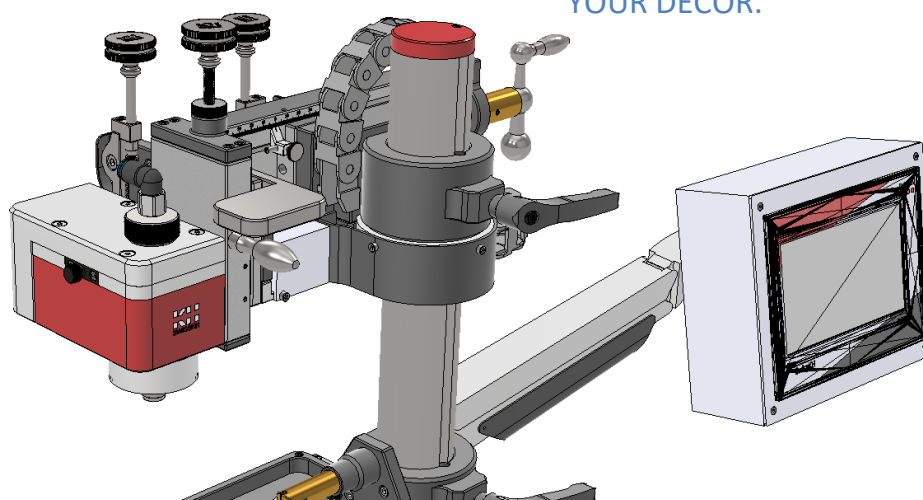
THE TOOL CAN BE ADJUSTED TO TWO ANGLES MANUALLY. THE ANGLE VALUE IS DISPLAYED ON THE HMI TO HAVE A REPRODUCIBLE DESIGN.

LEDs

A LED RING AROUND THE TOOL ALLOWS TO LIGHT YOUR WORKING AREA.

Eagle tail slide

THE UPPER EAGLE TAIL SLIDE ALLOWS YOU TO ADJUST THE OFFSET OR THE CENTERING OF THE SPINDLE ACCORDING TO YOUR DECOR.



Spindle

THE SPINDLE IS DRIVEN BY A MOTOR THAT CAN BE ADJUSTED VIA THE HMI. EACH MOTOR IS INDEPENDENT WHICH GIVES YOU MORE POSSIBILITIES IN THE REALIZATION OF YOUR DECORATIONS.

Z-slide

THE Z-SLIDE IS MANUALLY ACTUATED AND IS ADJUSTABLE ON THE STOP. THE DECORATION IS THUS CARRIED OUT "SLIDE DOWN". THE ERGONOMIC STAINLESS STEEL HANDLE ALLOWS AN EASY GRIP FROM THE SUPPORT BASE. AN UNDENIABLE ERGONOMIC ADVANTAGE.

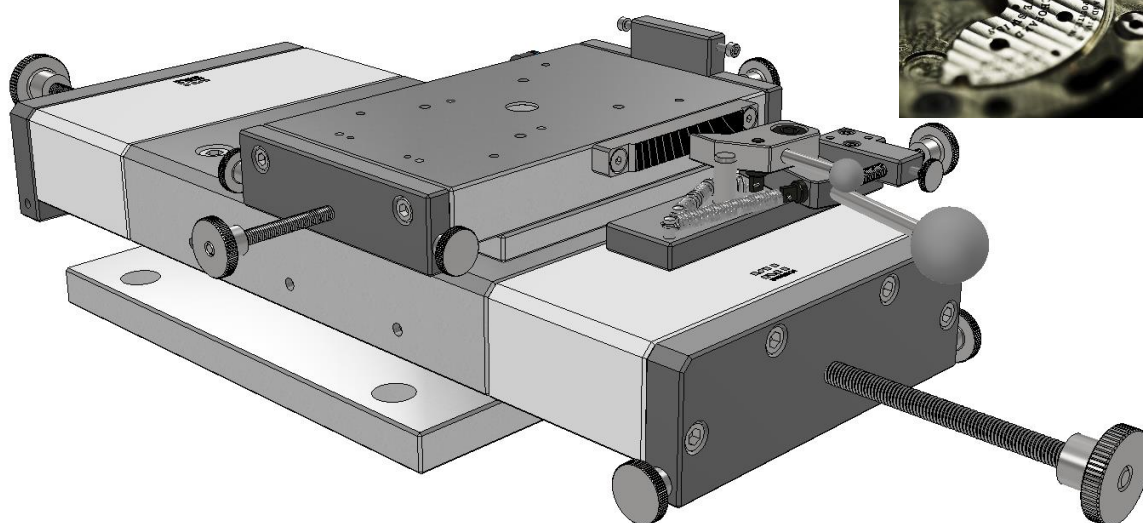
THE SLIDE IS ON PRECISION ROLLER TRACKS.

Modular base N°1, Angelo SwissKH®

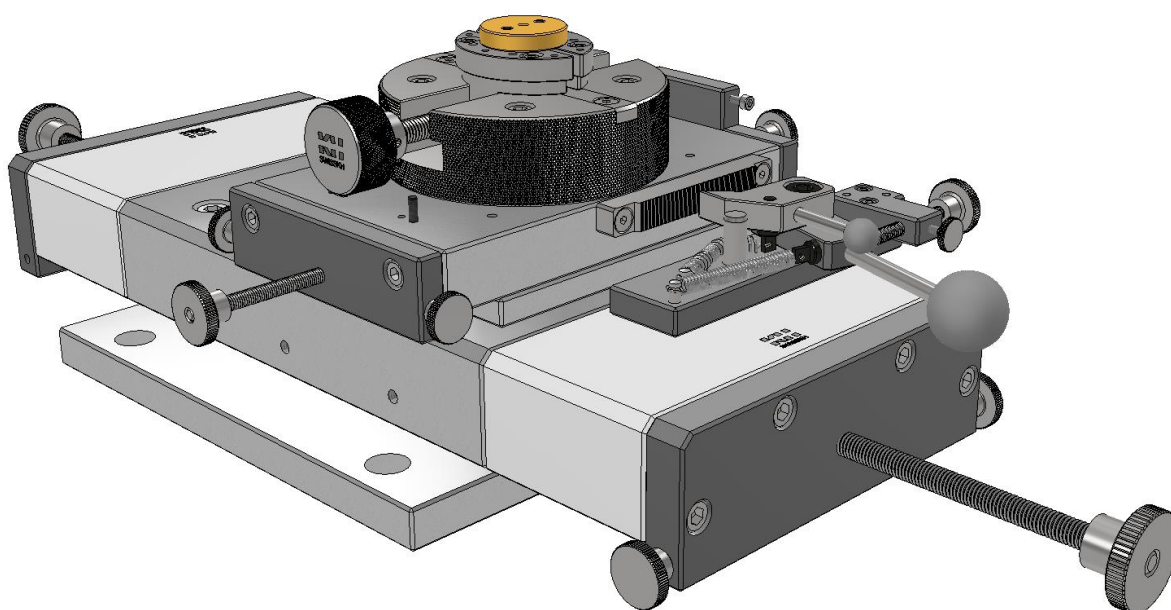
art. 1001451

The modular base of the "Angelo" decorating machine allows for straight Geneva stripes. This slide base is on precision roller rails and the second slide is a fat eagle tail allowing an easy movement with the evolving ratchet system.

The air passage for the vacuum is included in the table.



This base can be completed directly with a modular base clamp 4 (art.1001454) as shown here or with a custom-made fitting according to your needs:



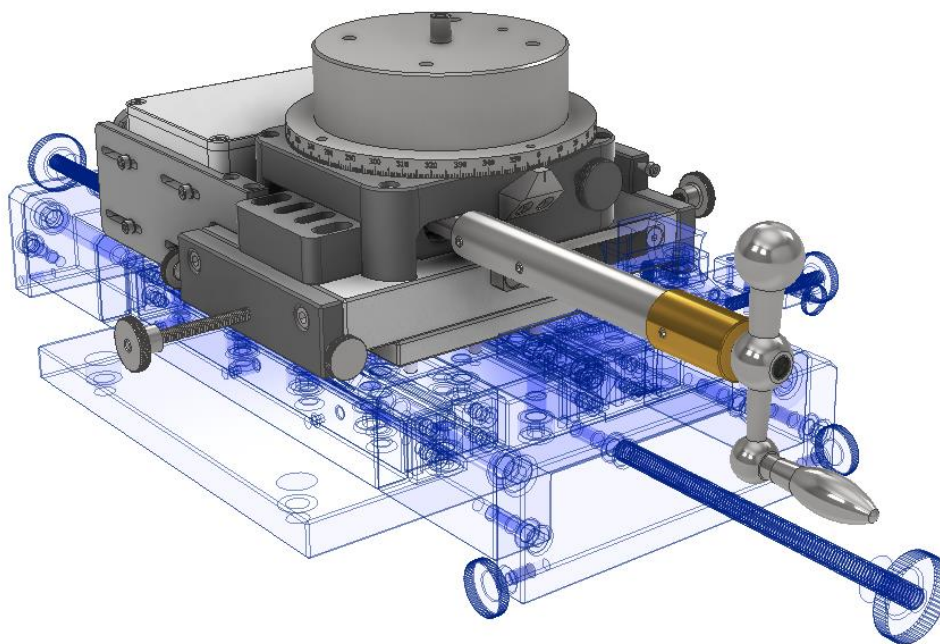
Modular base N°2, Angelo SwissKH®

art. 1001452

The modular base N°2 of the decoration machine "Angelo" allows to realize circular Geneva stripes, colimaçonnage and soleillages.

This slide base is on an INA FAG bearing, the motor can be disengaged to work manually with the inertia or it can simply engage. A small slide allows to disengage or not the motor.

The front pulley also allows manual drive. The display of the angles on the perimeter help to read the values if you need to orientate your part.



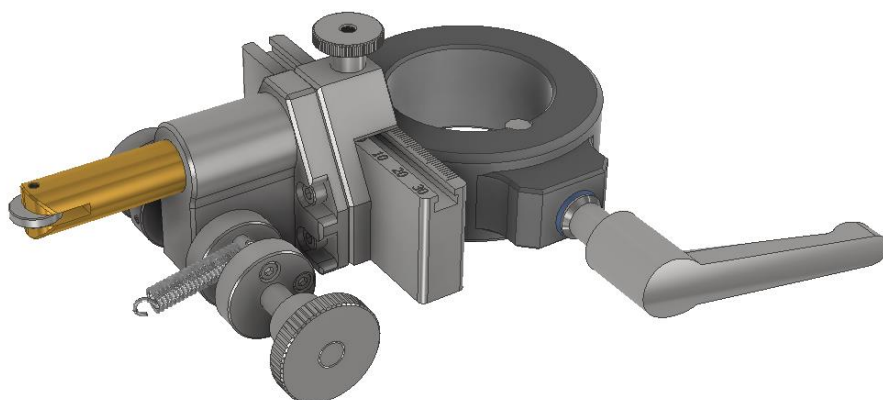
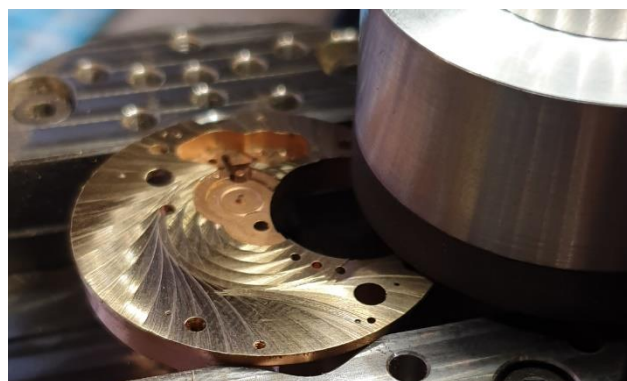
Modular base N°3, Angelo SwissKH®

art. 1001453

The modular base N°3 of the decoration machine "Angelo" allows to realize rosettes. A disappeared decoration that SwissKH brings up to date with this so special machine!

This modular base is equipped with the cam module on the driven part and the stress support on the machine part.

The slide allows the watch decorations to be moved and off-center.



Modular base N°4, Angelo SwissKH®

art. 1001454

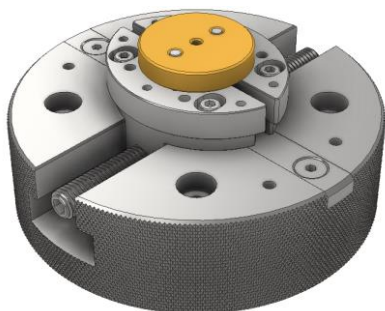
The modular base N°4 of the "Angelo" decorating machine makes it easy to clamp your pieces.

The system is similar to the engraver's ball. You can use this vise for other purposes on your workbench or on another rotating system.

It is made of stainless steel, which allows a serene use as for its longevity.

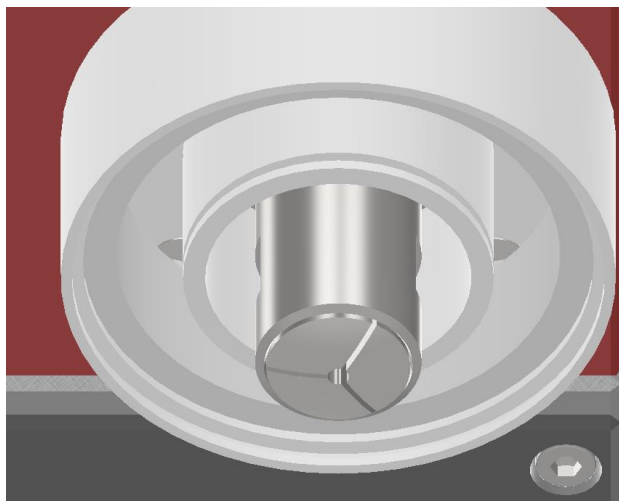


It is, of course, compatible with the standard installation of our machines by simply inserting two pins.



Collet system for the SwissKH® Angelo machine *art. XXXX (depending on diameter)*

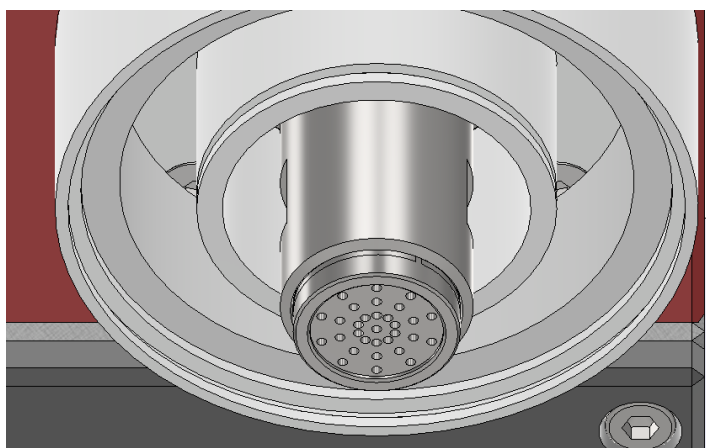
This system allows the clamping of tools of different diameters, from 0.3 to 8mm.



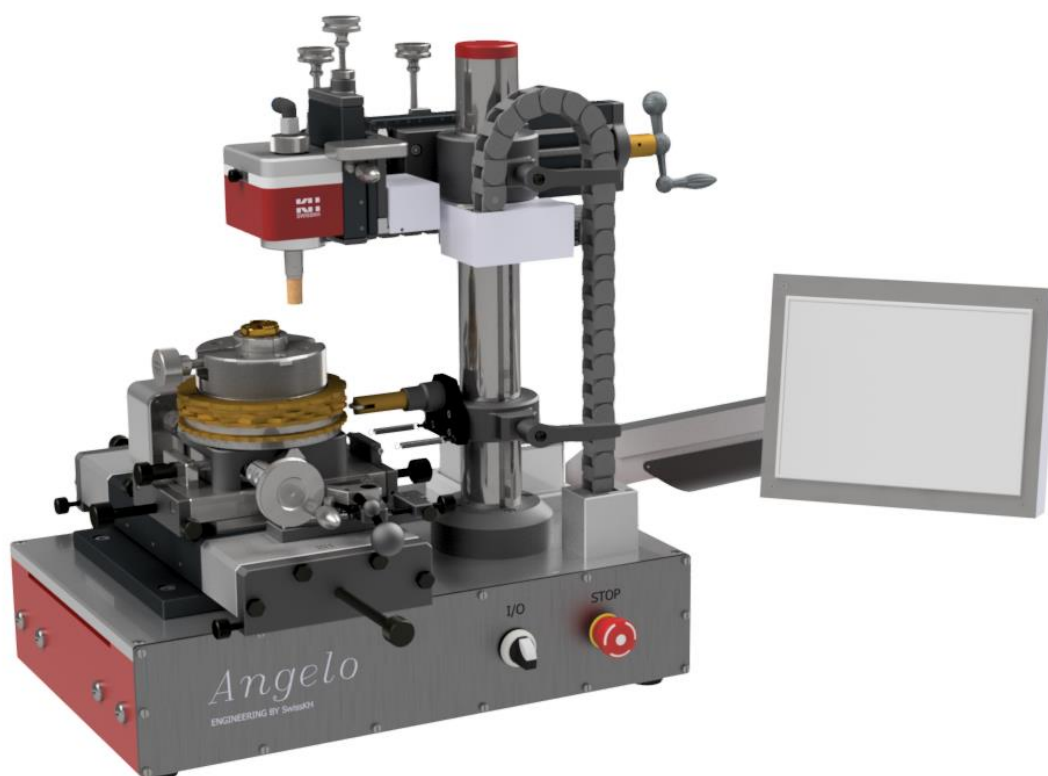
Pliers used: Schaublin B8 / SwissKH being a retailer, we recommend ourselves for the acquisition of your pliers.

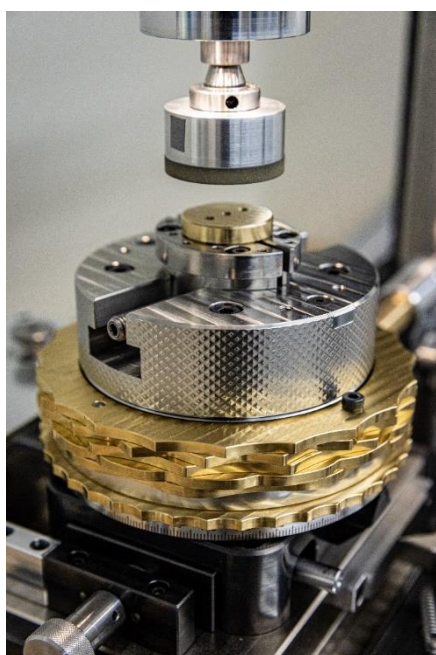
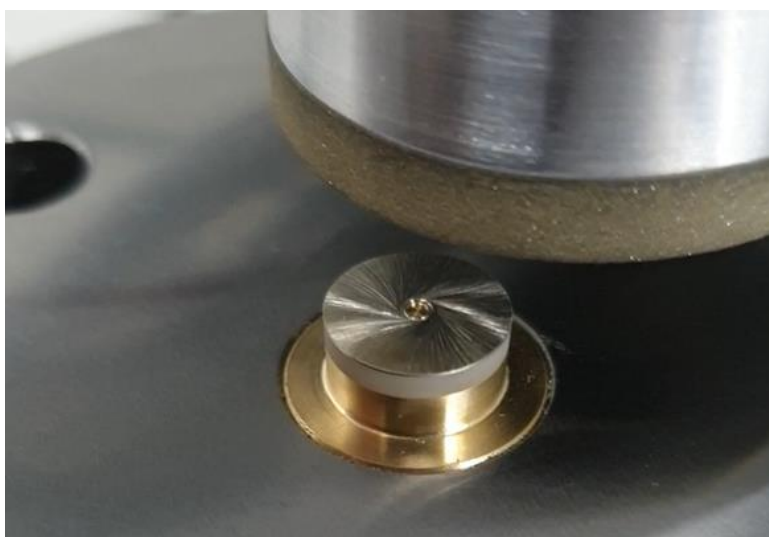
Sanding disc system for the SwissKH® Angelo machine *art. XXXX (to come)*

This system allows the clamping of tools in abrasive discs thanks to the vacuum:



Angelo, a beautiful machine and a story full of passion !





"The most beautiful job is to live from your passion." Quote from François Salvat de Montfort

« *Angelo* was one of those great men, human, where passion was part of his daily life. His energy and his aura made him a benevolent person and his friendship was a blessing from the gods. There are many things we will remember, but what we will never forget is his sense of sharing. Sharing the moment, his passion, his know-how and his knowledge. He participated in the project of this machine, and it is quite naturally that at the time of his sudden disappearance, the project was named after him with the agreement of his Relatives. Thank you, Angelo, for all that you have contributed, your presence was precious for all, your family, your friends and your colleagues. Good luck and know that your energy lives on here in our passion. »

A passionate and fascinating man to discover in video.



"When I asked him to help us in this project, Angelo was immediately concerned and enthusiastic! He was a great help throughout the whole adventure, as he was eager to share and generous with his heart. Thank you!"

Pasko Cart

The art of success consists in surrounding oneself with the best and this project proves it because it was able to create synergies of people who allowed the realization of an old machine under a new light.

The know-how is told as in a book, and the Angelo machine will be a passing of the baton for the future generations. A book to write new stories and a book that can be read in the years to come when one is looking for a piece of the history of watchmaking know-how. The mission of SwissKH (Swiss Know-How).

This project which was realized by passion has taught me many things and the positive momentum prevails on this project where the human was, is and will remain at the center of these interactions.

I thank all the people who have been involved in the Angelo machine by their constructive remarks, the opening of their workshops, the exchanges, the active participation and their support.

Angelo, Samantha, Pasko, Aurélie, Mia, Philippe, Nicolas, Patrice, Florian, Florent, Soraya, Philippe, Vladimir, Joé et bien d'autres encore ! Thank you all.

Bryan Gosparini