TORNOS

MultiSwiss

Quintuple your medtech productivity and start producing longer parts today





Secure your position in Medical & Dental

MultiSwiss











We keep you turning

Pedicule

Screw

Facial screw

Implant

Pulley

MultiSwiss: superbly productive and flexible





Get on the fast track to medtech success today: Start producing parts up to eight times longer than the bar diameter.

Benefits for you

- Fewer operators
- Less floor space
- Easy to use
- Less tool wear
- Better surface finish
- Quicker reaction times to peaks
- Unique homogeneity of production results
- Less energy consumption
- Less noise
- Faster setup due to unique accessibility
- Saving of raw material
- Longer lifetime, less maintenance

The MultiSwiss platform meets your need to machine 3 to 32 mm bars and it is the most competitive solution to different types of parts.

Boost your productivity: Replace up to 5 Swiss-type machines with 1 MultiSwiss and take your productivity per square meter to a new level.

Reduce your cost per part: The MultiSwiss is so easy to use that even novice operators can run it.

Produce flawless parts: Achieve the best surface finish possible on a turning machine due to our hydrostatic spindle system.

Ramp up your efficiency: The market's best ergonomics come with superb chip management. Managing chips is now hassle-free, and so is setting up a MultiSwiss.

Join the circle of champions: The MultiSwiss is a must-have solution even for small companies. Discover how the MultiSwiss can help you break into the Medical & Dental sector and compete in terms of price, quality, and time to market. The MultiSwiss is, without any doubt, the low-risk path to a quicker return on investment (ROI).





MultiSwiss 6x16



MultiSwiss 6x16

Market segment: dental Material: titanium Application: implant



Productivity:

Swiss-type **150 sec.** MultiSwiss **35 sec.**

Floor space:





+77%



-35%

Cost per piece:*

Swiss-type MultiSwiss EUR 1.06 / USD 1.24 EUR 0.69 / USD 0.81

* Assumptions

Cost operator: € 30 / USD 35.23 per hour.; 5 years' depreciation; 2% interest; investment advantage of MultiSwiss: -10%; 5,000 hours per year

MultiSwiss 8x26

Spine parts and screws

Spine: long locking parts Master the complexity of producing long, burr-free titanium locking parts for spine surgery, thanks to the flexibility of the MultiSwiss. The barrel can operate in reverse a one-of-a-kind feature that eliminates burrs. At the same time, you expertly manage chip flow and easily tackle parts with challenging length/ diameter ratios. Screw: special thread whirling Thanks to Tornos' thread-whirling expertise rooted in mastery of Swisstype machining, you can tackle special screws like this two-profile screw made of titanium and stainless steel.



Dental

Dental implant

Small titanium screws for dental implants are a specialty of the MultiSwiss 6x16. Our expertise gained over years of micromechanics projects across various industries and this machine's compactness make

it the perfect solution for most small medical components.



Medical devices

Versatility and competitiveness Multiple Y axes and the high number of available tools give

the MultiSwiss the ability to produce complex parts on eight-spindle machines as well as simpler parts on six spindles at very competitive price per part.

All of these benefits are based on the MultiSwiss platform's easy programming and standard tooling concept.



Pacemaker parts, maxillofacial screw

Pacemaker parts This small cobalt-chrome part with a challenging 3 mm diameter is difficult to machine on a Swisstype lathe due to low tool life, but MultiSwiss hydrostatic technology increases damping to provide excellent finishes—and increase tool life by up to 50 percent, depending on the material. Maxillofacial: small screws With decades of close partnership with medical/ dental suppliers and OEMs worldwide, Tornos provides tools and in-depth application knowhow for a wide variety of devices, from bone screws to medical electronics components. The MultiSwiss enables you to produce small parts with high quality down to less than 2 mm and manufacture families of parts.

We have developed a special part extraction system with a vacuum to collect all tiny, sensitive parts in a controlled manner.



We keep you turning



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