

ToolNews

Number 549, November 2020

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Transparent overall logistics

What are the current issues in medical technology?

The Medtech industry is doing amazing things. It has recovered relatively quickly from the pandemic crisis, and many companies are operating as normal again. Switzerland exports three times more medical devices per capita than Germany, the largest Medtech producer in Europe. However, in order to remain competitive in the future, many companies are embarking on diverse projects aimed at optimising their process costs.

What does Brütsch/Rüeggger Tools offer for Medtech companies?

As a multi-brand supplier, we offer custom solutions for reducing the total costs of tool and MRO procurement, including optimisation of financial flows. Our offerings cover the full spectrum, from productivity gains through improved tool use, to reduction of working capital with the help of modern intralogistics systems, to implementing flexibility in overheads through selective outsourcing.

What does a cooperation with BRW offer?

We are well aware of the challenges facing the industry in terms of reducing the total cost of purchasing and procurement. As an experienced partner for integral tool management, we are able to cover every step. Our core competence lies in holistic and sustainable solutions for maximum added value.



Medical Technology: Manufacture of an artificial hip joint using CNC milling.

Medtech — digitised logistics accelerates optimisation

With a significant proportion of research and development, medical technology is one of the most important innovation drivers in Switzerland. In the shadow of the now not much larger pharmaceutical and chemical sector, the industry has developed into a stable sector of Swiss industry. Since 2012, it has grown by six percent annually.

With sales of CHF 17.9 billion (export share 12 percent) and approximately 1600 manufacturers, suppliers and specialist service providers, the sector now accounts for 2.6 percent of Swiss GDP. In addition, the total of 63,000 employees can expect a growth of eight percent in 2021, according to the forecast of the Swiss Medtech Association.

In order to remain competitive and secure their production location in Switzerland, projects are underway in many companies with the aim of further optimising existing processes to counteract price, cost and margin pressure.

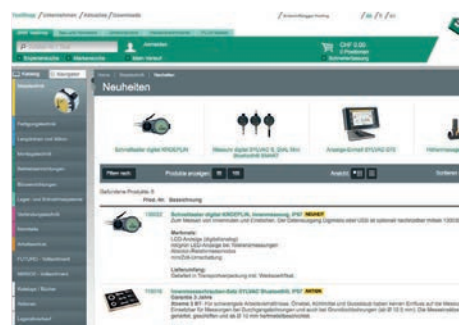
Against this background, Brütsch/Rüeggger provides powerful, proven solutions for the progressive digitisation of processes throughout the entire supply chain in medical technology.

Tool logistics – synchronise your requirements

The easiest way to increase efficiency is to optimise the procurement of tools and MRO items, as well as intelligent intralogistics. Brütsch/Rüeggger offers both in one combined system — and thus reduces the tied-up capital in your workshop.

We supply production facilities worldwide with the highest availability — Europe-wide within 24 hours. Our ToolCenter is one of the most modern logistics systems for tools and MRO items in Europe and provides a strong backbone for the customer's security of supply for 365 days of the year.

In addition, we also perform the internal tool management for you: Our ToolBox systems provide tools that are available around the clock — and reduce all order processes from purchasing to goods receipt to a minimum.



Offers all the functions of a modern e-procurement system: The tried-and-tested ToolShop.



ToolBox: Digitally connected dispensing machines ensure efficient tool management.

E-business – digitise processes

With the new regulatory framework for product documentation, monitoring and traceability in the Medtech industry, digital solutions for the management of tool data and measuring equipment are becoming indispensable, while at the same time, electronic links between production and assembly create transparency. Discover this great potential and identify all inefficient processes. Our specialists are familiar with the challenges of medical technology and have strong experience in reducing process costs over the entire value chain and tool life cycle. Based on experience, they implement flexible solutions for master data and supply chain management and accompany system integration.

Tools. Next level.

SwissSkills 2020

Tool sponsorship

This year, the Coronavirus pandemic denied our young finalists the opportunity to take to the big stage in front of tens of thousands of visitors at SwissSkills 2020 in Bern, Switzerland. However, with the remote professional championships taking place throughout the autumn, the professional associations, with the support of SwissSkills, came up with a worthy substitute format.

Brütsch/Rüeggger Tools has been a sponsor of the SwissSkills initiative for over 20 years, and this year is no exception: Traditionally, we have always supplied the best tools and facilities for the top candidates entered in the race by Swissmechanic. This commitment to the promotion of outstanding engineers in polymechnics, automation and mechatronics at the Swiss factory site is particularly close to our heart.



Polymechnics engineer finalist at SwissSkills 2020.



Next level: Brütsch/Rüeggger Tools supports medical technology companies into the digital future.



Jellix, the open and fully digital Industry 4.0 platform, delivers relevant metrics in real time.

Number 1 for reducing complexity

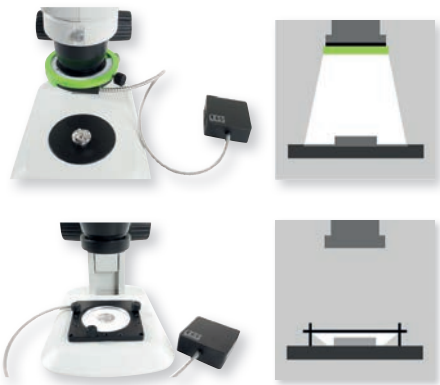
Or would you prefer a comprehensive digitisation solution? With Jellix, our flexible Industry 4.0 platform, you can turn data from machines, measuring devices, goods management and purchasing into valuable information. This will create the best starting point for the improvement of all business processes!

One interesting thing to note: In our proven ToolShop you can order all articles from a single source and thus reduce your administrative effort. Over 200,000 items from more than 900 brands available in stock at any time. Orders received before 17:30 can be delivered the next morning. Purchasing outside standardised procurement channels is thus eliminated. The program is completed with the provision of flexible special procurement.

Measurement technology



Visual inspection LESS



The high-quality lighting systems **151163.0100** light field illumination LESS (for lighting three-dimensional objects and surfaces) and **151164.0100** dark field illumination LESS (for the inspection of edges, surfaces and reliefs) have been specifically developed for microscopy and macroscopy. They enable efficient and virtually fatigue-free quality control and are often used in conjunction with a microscope. The light head does not generate heat radiation, has a pleasant colour temperature of 5400 K and a service life of > 20,000 hours. The light quality remains stable over the entire service life.

Further information is available at www.brw.ch.

Height gauge FUTURO Swiss made

New



Our new height gauge FUTURO is a workshop-ready measuring instrument with large and easy-to-read LCD display. The height gauge is suitable for height measurements and measurements of diameters and axle distances (1D). The device has an easy-to-use display with function keys for zeroing the display and entering a preset value, for calculating the difference or mean value between the last 2 measurements, and for displaying MIN/MAX/DELTA values when measuring the flatness of a surface. The user guide with graphical explanation of the function keys ensures that everything is easy to use. Available in the ToolShop www.brw.ch under article no. **136750.0100**.

Modern design

Electronic push buttons from **KROEPLIN** in a modern design with optimised ergonomics. Simplified operation thanks to the keyboard with touch surface and vibration feedback. Application-specific measuring programs MIN/MAX/HOLD as well as absolute and relative measurement. Selectable digit increments 0.001/0.002/0.005/0.01/0.02/0.05 mm. Adjustable tolerance range for easy control of series measurements. New display with 250° analogue display and longer analogue pointer for optimal readability.

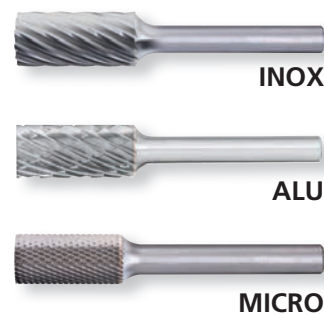


New

Production technology



Increase productivity in deburring



PFERD

Manual deburring is a process that is often given too little attention. It is preferable to try to do this directly on the machine. However, this is not always possible or the fastest or most efficient way, and therefore a lot of manual work is still used in this task. Important factors here are the surface quality of the workpiece, the smooth running of the milling bit, the noise development and, of course, the service life. The deburring process also depends largely on the workpiece material. We therefore offer a range of special lines (teeth).

For example, the **INOX** teeth for machining stainless steel and soft titanium **228450** to **228480**. These teeth enable up to 100% higher machining performance compared to milling bits with conventional cross toothing. The **ALU 228500** to **228580** teeth have been specially developed for machining aluminium. It is characterised by long tool life and quiet milling action. For even better results, this is also available with HICOAT coating HC-NFE.

For hard materials, the **MICRO** toothing **228800** to **228830** is the first choice for fine processing up to 68 HRC with high surface quality.

Take advantage of this promotion until 11.12.2020

Chamfering aluminium components

Faceting with a chamfering end mill is actually a simple process. However, most tools are designed for universal use and can deform soft materials.

The VHM chamfering end mill **224109** has finely ground and polished cutting edges and cuts optimally through the aluminium. The additional microcoating extends the application area for soft materials including in the ISO-M range.



FUTURO
performance and perfection

New



127500.1100

Hard-stone measuring table FUTURO

Measuring tables FUTURO **127500** with measuring plates made of black granite, flatness manufactured according to DIN 876/00. The steep thread in the stable chrome steel columns enables easy and safe height adjustment. Transverse arms are available in different versions. For example, **127500.1100** hard stone measuring table FUTURO horizontal arm fix with fine adjustment. This allows the dial gauge used to be fine-tuned. Supplied in transport packaging. **without dial gauge.**



NC8 perfect for day-to-day use

The NC8 **411020** is optimally designed for use on 3-axis and 4-axis machining centres. The low-maintenance and encapsulated high-pressure spindle minimises cleaning effort and has a tool-free power setting. The mechanical power booster ensures a constant and safe clamping force. The total length is independent of the workpiece size. The NC8 is equipped with zero point location holes for versions 90 and 125 M.

Take advantage of this promotional offer until 11.12.2020.

Magnet spirit level

Better, faster and more accurate reading thanks to patented SOLAFOCUS levels. Break-resistant acrylic glass block levels with magnification lens (+20%) and 30-year leakproof guarantee. Extra-strong aluminium minimum profile with reinforcing ribs for maximum stability, and shock-absorbing end caps. Anodised measuring surface with V-groove and adhesion magnets. Very high measurement accuracy in normal and envelope position. **174600** magnetic spirit level Antichoc MRM with **15% discount** until 30.11.2020 or while supplies last.



Promotion

Perfect countersinks

Perfect 90° and 60° countersinks can be produced with the EUC-Speed countersink bit from BECK. The extremely uneven pitch reduces machining forces by up to 50% and ensures vibration-free, round countersinks.

- 90° **276015** with triangular shaft
- 276020** with cylinder shaft
- 276022** with cylinder shaft, extra long
- 60° **276170** with triangular shaft
- 276172** with cylinder shaft

ToolShop promotion until 11.12. 2020 with 25% discount.



BECK
MAPAL GROUP

Promotion

Find the «μ» with TESA

The TESA μ-Finder SET 31 **132205.9001** is suitable for mobile use in production and assembly. It is used for measuring geometric shapes (straightness, flatness) or for determining position (parallelism, squareness). The additional functions (tol., max/min, zero position) in the display unit simplify the display of measured values. The SET contains a sensor lever probe **132255.0100**, a display unit **132205.0100** and a stand **126885.0100**.



FUTURO
performance and perfection



Ultra-slim NC high-precision drill chuck

For even better accessibility and greater clamping force, we have the new slim NC precision drill chuck **331105** SK version and **331544** HSK-A version.

Thanks to the integrated worm gear, we have a clamping safety that is independent of the direction of rotation and has a high clamping torque of up to 15 Nm.

The precision drill chuck is available in the following clamping ranges: 0.3–8 mm, 0.5–13 mm and 1–16 mm.

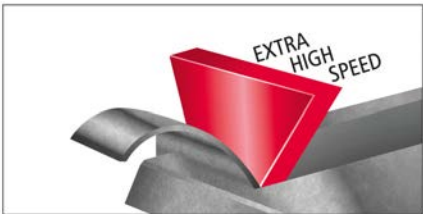
Assembly technology



Uncompromising speed — the ceramic fibre disc for maximum performance



The new generation of siaramic ceramic sanding grain from sia differs from conventional grain due to its uniform triangular shape.



High abrasion performance thanks to ceramic abrasive grain:

- Aggressive initial grinding thanks to the optimised abrasive grains
- Fast and robust removal with uniform surface finish
- Long service life
- Uniform cutting performance
- Increased cost-effectiveness through measurable time gain
- Lower effort due to maximum aggressiveness

Ideal for the preparation and removal of weld seams, removal of scale and rolling skin, removal of discolouration and compensation of defects in metal and container construction, plant construction, mechanical engineering and shipbuilding. Star-shaped hole disc holder for X-LOCK machines, backwards-compatible with standard angle grinders. For an optimal fit with the back-up pad, the discs are delivered pre-curved and specially packed.



High-performance fibre disc SIA

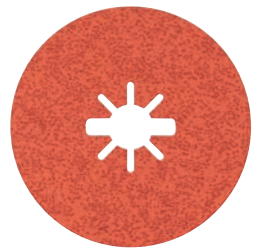
Up to 40% faster material removal compared to ceramic fibre discs with broken grain. For unalloyed/low alloy steel; stainless steel (Inox).



489620.0100	G 4581 siaramic	dia. 125 mm	36 grain
489620.0200	G 4581 siaramic	dia. 125 mm	60 grain
489620.0300	G 4581 siaramic	dia. 125 mm	80 grain

High-performance fibre disc SIA

Up to 80% faster material removal compared to ceramic fibre discs with broken grain. For unalloyed/low alloy steel; high-alloy steel; aluminium.



489625.0100	G 4582 siaramic	dia. 125 mm	36 grain
489625.0200	G 4582 siaramic	dia. 125 mm	60 grain
489625.0300	G 4582 siaramic	dia. 125 mm	80 grain
489625.0400	G 4582 siaramic	dia. 125 mm	120 grain

Suitable support plates are: 489642/489546/489630

If you have any questions, please do not hesitate to contact our specialist consultants. - Contact us!

Standard parts



Product sets at top prices!

Promotion



Our new promotional brochure is valid until 31.01.2021 and contains more than 40 different product sets from various fields and applications at top promotional prices. Take advantage of our selection of product sets, which eliminate the need for tedious searching and chasing up new pieces for common dimensions! Below is a small snippet from our big sale:

862748	Nylon plugs Mungo® type MOB, 230 pieces	CHF 29.00	instead of	CHF 44.90
860220	Seal rings, copper, DIN 7603 A, set of 285	CHF 116.00	instead of	CHF 136.00
860223	Product set of hexagon socket head cap screws, 350 pieces	CHF 44.00	instead of	CHF 51.00
839948	Product set 1-ear clamps OETIKER type 185, 101 pieces	CHF 89.00	instead of	CHF 114.00
518300	Seal dispensers, for gas and water installations	CHF 93.00	instead of	CHF 158.00
445730	Blind rivet nut set TUBTARA®	CHF 205.00	instead of	CHF 270.00

All product sets included in our promotional offer are available at: www.brw.ch TopDeal/Standard Parts.

Special offer for actuators 21

You have until 28.02.2021 to once again benefit from our popular special promotion on adjustable inserts for mould identification. Avoid downtime and frustration caused by stuck or rusty inserts and save a great deal of money at the same time.

- 833800 Adjustable insert for DATI 1000/1200/2000/2100/2200, type F, arrow + year
- 833810 Adjustable insert for DATI 1300/1400/1800, type F, arrow + year
- 834035 Adjustable insert for DATI 2900/21900, type F, arrow + year (with latching function)

Promotion



Promotion



Promotion: slide retainers

Our promotion on slide retainers is still available for a few more days. You have until 30.11.2020 to benefit from these one-off prices!

- 841055 slide locks, compact design
- 841056 plunger for slide lock
- 841060/841080 slide clamp/slide retainer
- 841100 modular clip, hardened

All current standard part special offers are available at: www.brw.ch/standard-parts/promotions. Grab it, it's worth it!

Coloured ISO compression springs

Our DIN/ISO 10243 compression springs are available until 31.01.2021 at a 25% discount!

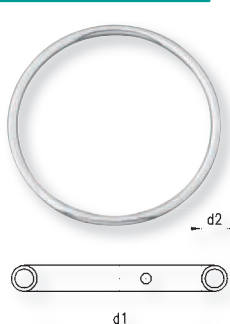
- 864942 Black compression spring for extra light loads
- 864952 Green compression spring for light loads
- 864982 Blue compression spring for medium loads
- 865012 Red compression spring for heavy loads
- 865042 Yellow compression spring for extra heavy loads
- 865044 Orange compression spring for extremely heavy loads

All colour-coded ISO compression springs can be found under: www.brw.ch/standard-parts/promotions.

Promotion



Promotion



Grab it now: Promotion: metal O-rings

The clever system of self-reinforcing metal O-rings offers you a wide range of applications. It is made of stainless steel (1.4541) and is suitable for operating pressures from 6 to 3000 bar. The continuous operating temperature is between -200°C and +280°C. Use order no. 860160 to benefit from an unbeatable 35% discount on all dimensions, valid until 30.11.2020.

Grab it, it's worth it!

Personal Protective Equipment



NERIOX: the great value alternative



NERIOX, the new brand from Brüttsch/Rüeggger Tools makes no compromises — especially when it comes to safety. The brand NERIOX Personal Protective Equipment combines a range of personal protective equipment (PPE). NERIOX complies with the latest guidelines because we prioritise one thing above all else: your health. Further important criteria for PPE items is that they need to fit and be comfortable at all times. Because if something does not fit and is not comfortable, users tend not to wear it — meaning it cannot provide protection. This is why NERIOX stands for: safety, protection, comfort and value for money. With Neriox you get more for your money. A price-performance ratio that sets new standards!

At Brüttsch/Rüeggger Tools, we believe that NERIOX offers a genuine alternative with huge savings potential, without compromising in terms of quality and safety.

Make your own comparison! We would be happy to provide you with a NERIOX quotation, which is not a compromise in terms of safety, but which allows you a substantial savings potential! Call us on +41 44 736 64 55! The full NERIOX range can be found at www.brw.ch.

NERIOX winter gloves

Protective gloves should also be worn in cold temperatures. The winter gloves from NERIOX offer the necessary protection at work while also protecting the employee from the cold, available as both a leather glove **530014** with synthetic lining or as a polyester glove with nitrile coating.

The snowflake is available with partial coating 530022 or full coating 530023 in sizes S-XXL from stock Brüttsch/Rüeggger Tools.



NERIOX — for warm and fashionable winter clothing

In time for winter, the winter clothing range has been greatly expanded! 19 different jackets and gilets can be found in our ToolShop www.brw.ch. Softshell jackets and gilets are available in a range of colours, including and new also in contrast colour schemes! Alternatively, if you need a jacket for very cold days:

The Parka William **536412-536414** with high collar, is wind and water-repellent and will keep you warm even in the deepest winter.

NERIOX safety shoes

The range of NERIOX safety shoes is still small but remains very successful! Employees who are looking for a safety shoe of the S1P or S3 class can choose between 4 NERIOX models: PRATO is our S1P shoe in soft suede, as a half-shoe **534034** or as a sandal **534033** with practical velcro closures.

All NERIOX shoes are available for less than **CHF 40.00**. To view our full range of safety shoes, visit www.brw.ch.



NERIOX Spider, the multifunction glasses

NERIOX Spider **531003**, the multifunction safety glasses: Is there nothing these goggles can't do? In just a few steps, you can turn these safety glasses into full-vision safety goggles that provide all-round protection. Then remove the foam insert and headband, and the Spider full-vision safety goggles become safety glasses again in no time. With the NERIOX Spider, special care was taken to ensure that the glasses are very comfortable to wear.

Last minute



Test stands from MECMESIN

Force and torque tests can be used to determine the behaviour of a test object under tensile, compression or torsion loads. With the help of motorised test benches for force or torque from MECMESIN, complex measuring sequences can be programmed using the software. For detailed analysis, force-path or torque-angle diagrams can be recorded. Automatic test procedures reduce operator influence to a minimum. This makes motorised, software-controlled test benches from MECMESIN ideal for use in laboratories and production. A selection can be found in our shop at www.brw.ch

Twist drill for ISO-O materials

The twist drill FUTURO **254060** is ideally suited for use in brittle, short-cutting non-ferrous metals and plastics, e.g. brass, pertinax, plexiglas.

Take advantage of the promotion until 30.11.2020 with a **30% discount**.

N	O
O	••

Promotion



Promotion



Screw clamp FUTURO

According to DIN 5117, **single-ribbed hollow profile rail**, galvanised. Fixed and sliding brackets made of malleable cast iron, KTL-coated, spindle burnished. **Ergonomic two-component handle**, thus considerably higher power transmission, with plastic protective caps.

Span: 120 to 600 mm
Discharge: 65 to 120 mm

419515 Stock clearance, from CHF 12.90 (While stocks last)

Tampering protection PARRYPLUG®

The PARRYPLUG® is a locking element for screws with an internal drive to prevent tampering with screw connections. The specially constructed axial ribs ensure a secure, defined press fit, thus preventing tools from interfering with the internal drive.

The PARRYPLUG® is available for hexagon socket screws in sizes SW3, SW4, SW5, SW6 and SW8.

864390 the PARRYPLUG® tampering protection is currently available from **1.70 CHF/pc** until **30.11.20!**

Promotion



NERIOX introductory offer

Benefit from our NERIOX introductory offer:

Softshell jacket NERIOX Gabriel
536408 blue, **536409** royal blue, **536410** black, at a special price of **CHF 49.00** instead of CHF 54.00

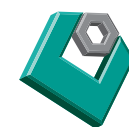
Jacket NERIOX Robin
536415 black, **536416** navy blue, at the promotional price of **CHF 46.00** instead of CHF 52.50

Winter leather gloves NERIOX Winter Cold
530014 in leather, at a special price of **CHF 6.90** instead of CHF 7.50

Promotion valid until 30.11.2020

Promotion





OUR PARTNER



SERVICEBOX



ToolBook, Edition 19, The tool catalogue with the complete range on 3200 pages:

CH-DE **999002.0300**

CH-FR **999002.0400**



NERIOX booklet, 2019 edition

CH-DE **999065.0100**

CH-FR **999065.0200**



FUTURO booklet, 2017 edition

CH-DE **999050.0500**

CH-FR **999050.0510**



Joining Technique, Edition 2019

CH-DE **999040.0900**

CH-FR **999040.1000**



Automated assembly system for easier assembly of watches and movements.

Watchmaking

Automation, tools and special orders etc.

Founded in 1973 by Freddy Petitpierre, the company initially supplied measurement technology modules for machine tools. In the 1980s, the production of high-quality tools made the step into the watch industry.

Three business areas

The family company specialised in the development and production of automated assembly systems for watch components. A further core competence is the production of specialist tools for watchmakers for both assembly and maintenance, in service centres or watch shops. In addition, the versatile company also produces complex microparts as a service for various micro-technology industries.

A member of the Acrotec Group

Today, Boris Petitpierre, son of the founder, runs the 65-employee company based in Cortaillod (Switzerland). Since 2016, Petitpierre SA has been part of the Acrotec Group, along with around 25 other specialists working in the same sectors.



Modern and stylish: The Petitpierre SA headquarters.

Petitpierre SA — a passion for microtechnology

Over the past 50 years, they have acquired a high level of expertise in the machining/assembly of small parts. Thanks to their know-how, well-known watch manufacturers are able to optimise their production. We refer specifically to the micro-technology specialists at Petitpierre.

The family run company based on the Neuenburgersee manufactures custom high quality assembly systems tailored to individual customer needs. These are automated systems with all the refinements that make the assembly of watches and movements easier and more productive.

It is a natural progression that this expertise can then also be used in other areas. Petitpierre has also established itself as a developer and manufacturer of high-quality special tools. In addition to their functionality and ergonomics, design and haptics also play an important role. The maintenance of a prestigious timepiece should be carried out with an elegant tool box. After all, the art of watchmaking has always been associated with the experience of the senses! Researchers at the EPFL university in Lausanne also draw on the expertise of Petitpierre. In a heart surgery project, they have developed a titanium spring for a blood pump.



High-end contract production of microcomponents for customers in the watchmaking industry and beyond.



Other products available in the watchmaking range: This tool case meets the most demanding criteria.



In addition to functional features, the design and haptics, are also of the very highest standard: Petitpierre SA develops and produces high-quality specialist tools for the watchmaking industry.

Automated assembly as core competence

The design of microtechnology processes requires detailed planning. The engineers, who specialise in various disciplines, therefore have cross-industry knowledge. Be it mechanical, electronic, control or software, all modules are designed in-house. The top priority here is to guarantee the customer a reliable, robust and long-lasting installation solution.

The custom high-tech systems are developed in close cooperation with the watch industry. In order to perfectly adapt the desired system to requirements, customers are accompanied during all development steps – from the preliminary study to the design and training of the maintenance personnel.

Thanks to many years of experience [Petitpierre](#) also rates highly with its competitive development times. The custom-made products often generate great enthusiasm and are ordered several times.

Production of complex microcomponents

Due to being old hands in microtechnology, Petitpierre also offers its expertise as a service. Petitpierre manufactures microcomponents with complex shapes and low weight for customers from the watch industry and beyond. In addition to medical technology, customers also come from the automotive, aerospace and telecommunications sectors.

In order to meet the constantly changing demands of the market, Cortaillod, which is located near the town of Neuenburg, is constantly maintaining the state-of-the-art machinery. The extremely versatile process spectrum on conventional and CNC machines ranges from machining to wire EDM, grinding and polishing. The customer parts are painstakingly manufactured and undergo strict quality control. The choice of materials, precision and surface finish are subject to the highest criteria.

Cooperation with Brütsch/Rüeggger Tools

The third division addresses the market's lack of specialist equipment for watchmakers. Petitpierre develops innovative tools for production and service such as eight-stage torque screwdrivers, diamond sorting systems, and micromagnifiers made of biodegradable plastic. And of course, not forgetting: Tailor-made watchmaking tool boxes with elegant wooden panelling.

In their workshops, the microtechnicians rely on Brütsch/Rüeggger tools: In addition to tools and screwdriver sets, Petitpierre has also procured safety glasses, gloves, adhesive technology, measuring gauges and measuring equipment from the full range of Brütsch/Rüeggger Tools for several decades.

Now, this successful collaboration is entering a new era: Petitpierre is one of the most important suppliers of the newly launched range of products for the watchmaking industry in the [ToolShop](#).