ASEPTCONN AG

Spare Parts for Pharmaceutical Machines



FILL-FINISH COMPONENTS PORTFOLIO



Aseptconn AG

Aseptconn is a leading component supplier for the sterile liquid technology used in the pharmaceutical and biopharmaceutical industries. Our innovative products in combination with our years of pharma experience, and resultant expert guidance, enhance the productivity and safety of our customers' manufacturing processes in a sustainable way.

A benefit of our extensive experience is a stock and certification management system that guarantees short delivery with complete, correct, and traceable certification documentation for each order. In addition, our wide range of products allows our customers' to obtain all components from a single source.



Aseptconn Team

Created in 2016, Aseptconn is made up of a team with many years **of experience in the consulting and sale of components for sterile process technology. We are a** customer centric organization focused on innovation, responsiveness and complete order satisfaction. These values provide the foundation for our business conduct.

Aseptconn is ISO 9001:2015 certified.

When you choose Aseptconn, you choose excellence, innovation and a good partnership. We are proud to contribute to the long-term success of our customers' by offering them solutions that make the difference. We consider quality, service, flexibility, and customized solutions to be of uppermost importance.



Fabio Stiz
CEO & Co-Founder

Welcome

Trust thanks to great expertise and many years of experience

ASEPTCONN AG

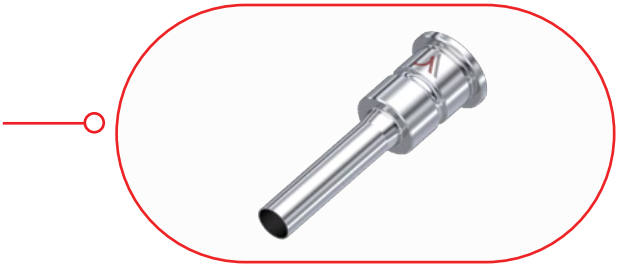
"High expectations are principle to success in business"

info@aseptconn.ch

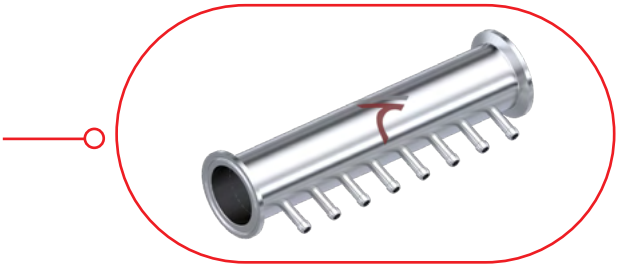
Introduction

Who We Are
Business: Together

Fill-finish spare parts are very important components in the pharmaceutical liquid productions. it is often difficult for outsiders to comprehend the complexity of choosing the right solutions in this context.



The multitude of applications standard and not-standard, the features of the materials used, or the numerous options make the configuration of the fill-finish systems a true art.



Although numerous companies are entering this demanding market, only a handful have really established themselves. We are all the more proud of the great succes of Aseptconn in this market environment. But this success does not come by change. Our employees have the required specialist knowledge and many years of experience in the technical sales and manufacturing of such fill-finish components.





Sergio Cerenzia
COO & Co-Founder

Welcome

The leading solution for liquid sterile technology

ASEPTCONN AG

"The ability to innovate with high knowledge of the sterile environment"

Introduction

Who We Are
Business: Together

This special expertise has been incorporated into the design and manufacture of high precision fill-finish components for pharmaceutical liquids. The ability to innovate with high knowledge of the sterile environment make it possible for Aseptconn to provide customized solutions to each problem and offer technical answers to the requirements of our customers'.

You will find numurous other examples in our fill-finish portfolio that demontrate why you can trust Aseptconn when it comes to selecting the right components. We look forward to being able to provide you with support and advice.

Warm regards,
Fabio Stiz & Sergio Cerenzia

info@aseptconn.ch

NEEDLES

FOR STERILE AND ASEPTIC PROCESSES



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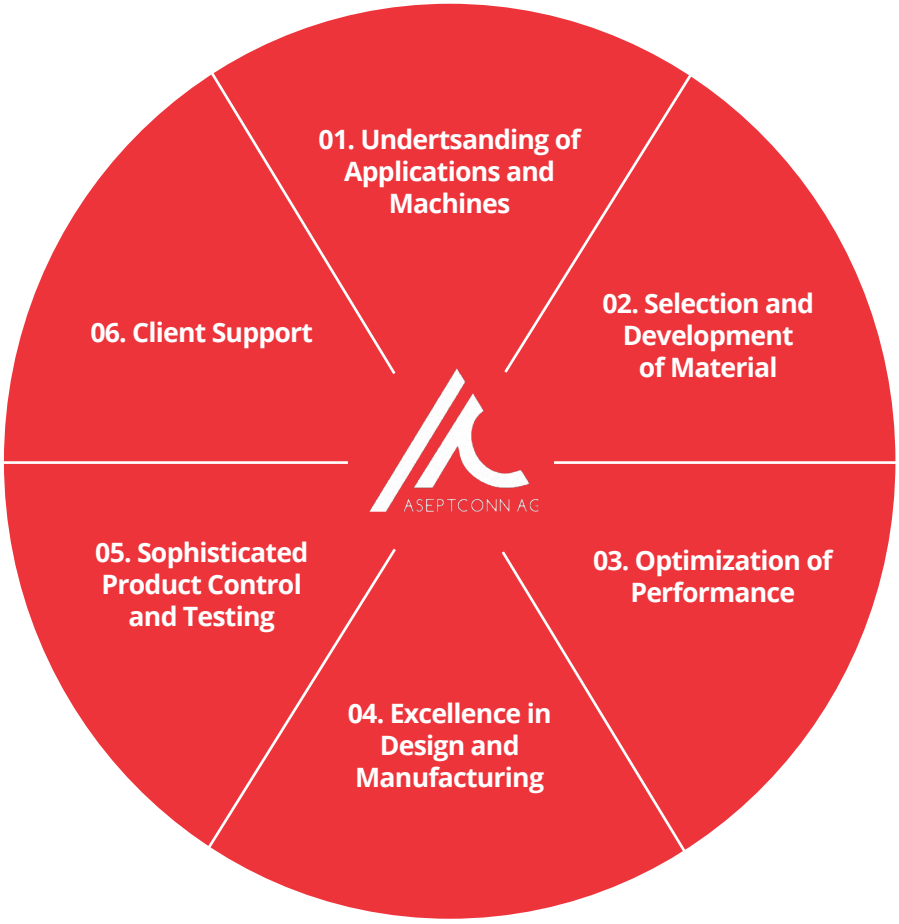
WELCOME TO ASEPTCONN

"YOUR PARTNER FOR STERILE AND ASEPTIC PROCESSES"

Your preferred partner for components, systems, software, and services in the field of liquid sterile technology and transfer solutions. With our mission, vision, and values, we passionately support the pharmaceutical, biopharmaceutical and other critical industries.

OUR MISSION

THE LEADING SOLUTION FOR LIQUID STERILE TECHNOLOGY



Our mission is to respond quickly and efficiently to the needs of our customers. We are also committed to driving innovation in the pharmaceutical and biotech sectors by offering new tools adapted to the needs of all our partners. Our Mission is to ensure long service life, reliability, and perfection in every one of our products. We can find the correct solutions to your needs; we support our customers and provide them with the best service. Our responses and deliveries are fast and reliable.

OUR VISION & VALUES

THE LEADING SOLUTION FOR LIQUID STERILE TECHNOLOGY

Our vision is to become the leading provider of fluid transfer components and products in several european countries and worldwide. By supporting well-known pharmaceutical companies, we are building a strong and lasting presence, both in our home markets and abroad. We believe in the power of collaboration to achieve common goals, with our large stock of products and components we guanantee fast delivery worldwide. We consider quality, service, flexibility, and customized solutions to be of uppermost importance.

We are committed to embodying core values that guide our daily work:



Expertise and LEADERSHIP

With our recognized expertise, we strive for leadership in our field of activity.

Excellence and QUALITY

We strive for excellence and guarantee products and services of the highest quality.

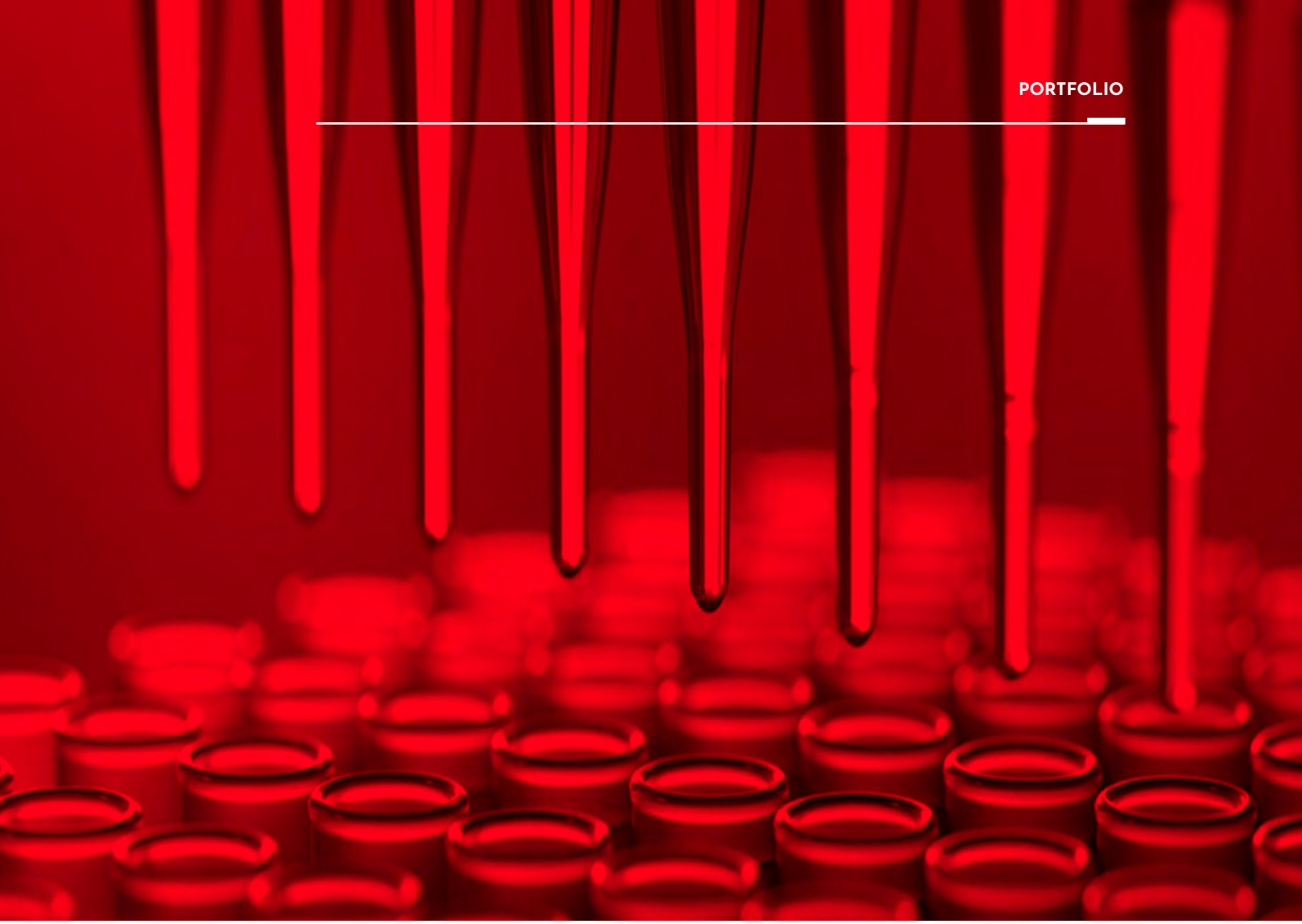
Engagement and TOP SERVICE

We are committed to delivering exceptional quality solutions to satisfy all of our customers.

Flexibility and RESPONSIVENESS

We adapt quickly to the changing needs of the market and the requirements of our customers'.

info@aseptconn.ch



CERTIFICATIONS

THE LEADING SOLUTION FOR LIQUID STERILE TECHNOLOGY

Aseptconn is in line with food & pharma regulations compliant, tubes, materials coming from Swiss steelworks and manufacturers MOCA or FDA certified, ensuring maximum quality of products thanks to strict controls on raw materials. On delivery, we check and cross reference each raw material bar to the corresponding certificate number. When the material is cut, the certificate number is linked to the workpiece, achieving in this way a real traceability for each component of our products. The final product must meet the highest quality standards monitored with appropriate measuring equipment. Products certifications include the tests reports carried out. We consider quality and transparency of primary importance: for this reason, we regularly test the materials and coatings of our products independent.

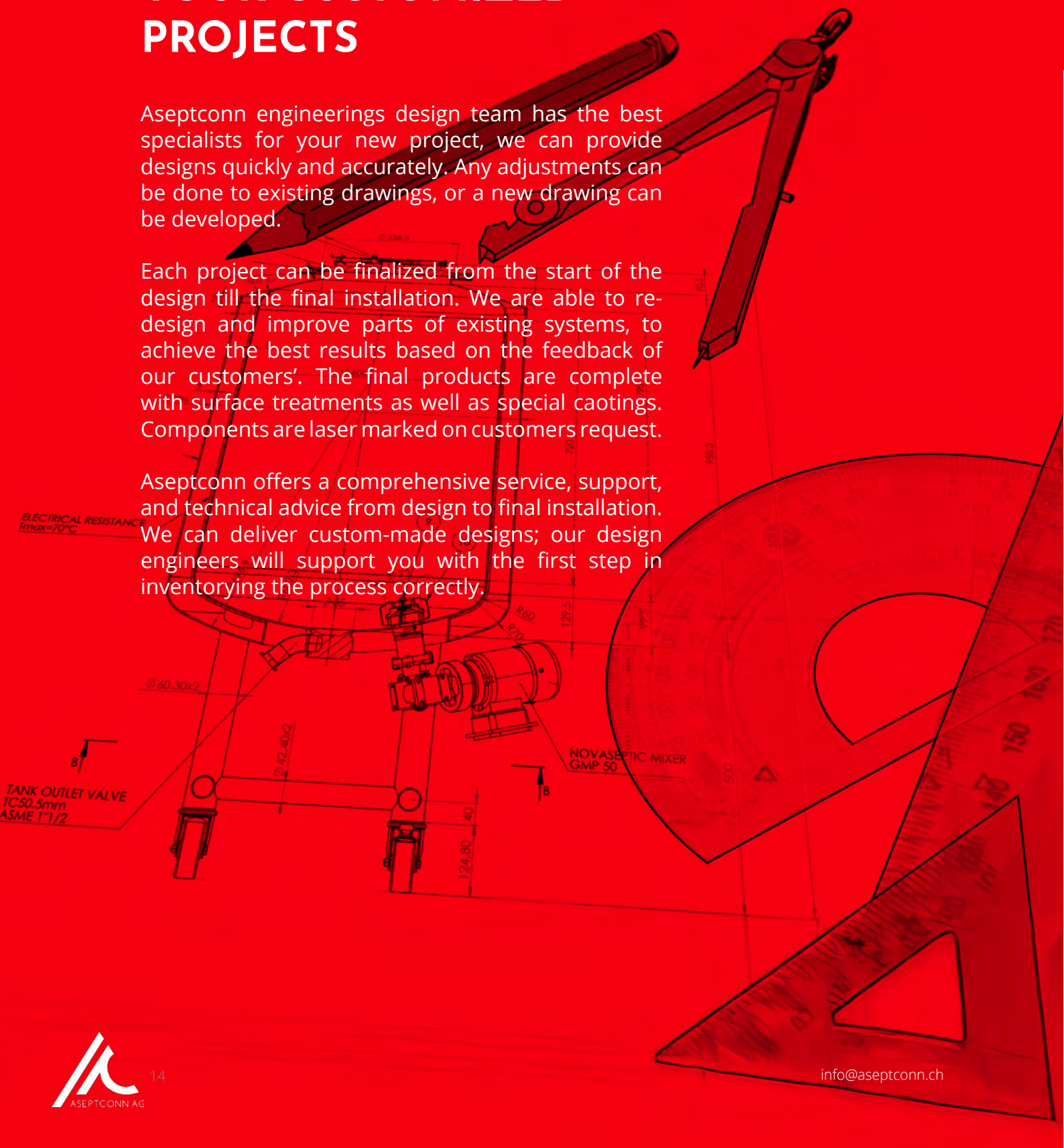
All the fill-finish components are in line with GMP and FDA standards and supplied with the complete 3.1 certification according to EN 10204.

WE DESIGN
YOUR CUSTOMIZED PROJECTS

Aseptconn engineerings design team has the best specialists for your new project, we can provide designs quickly and accurately. Any adjustments can be done to existing drawings, or a new drawing can be developed.

Each project can be finalized from the start of the design till the final installation. We are able to re-design and improve parts of existing systems, to achieve the best results based on the feedback of our customers'. The final products are complete with surface treatments as well as special caotings. Components are laser marked on customers request.

Aseptconn offers a comprehensive service, support, and technical advice from design to final installation. We can deliver custom-made designs; our design engineers will support you with the first step in inventorying the process correctly.



ENGINEERING & DESIGN

THE LEADING SOLUTION FOR LIQUID STERILE TECHNOLOGY

A highly skilled team of designers can develop customized projects starting from the specifications of the pharmaceutical machine or from the characteristics of the liquid to be dosed. We can optimize the product design and give advice for improvement. We ensure customer-focused advice, analysing each problem and propose customized solutions to optimise the performance of the entire production line. We aim for tailored solutions designed to meet our customers' needs and requirements.

Aseptconn is your most reliable, knowledgeable partner that can provide the technical support to find the best solutions. Every phase of research, development, and manufacturing is done with high purity process solutions. Our products ensure uncompromising quality finishing, synonymous with the highest quality.



MATERIALS

MANUFACTURING EXCELLENCE

Aseptconn components are manufactured with 316L Stainless Steel, Titanium, Hastelloy C-22 or plastic materials such as Peek, PTFE, Pom-C, Polycarbonate, Polypropylene approved by FDA and USP Class VI. All the components are made from a single block or laser/TIG welded without death zones. The internal surface of the tubes is RA < 0.5 µm and provided with a roughness test report.

We provide all traceability documents of materials in full conformity with UNI EN 10204 3.1 / FDA / USP Class VI.

316L STAINLESS STEEL

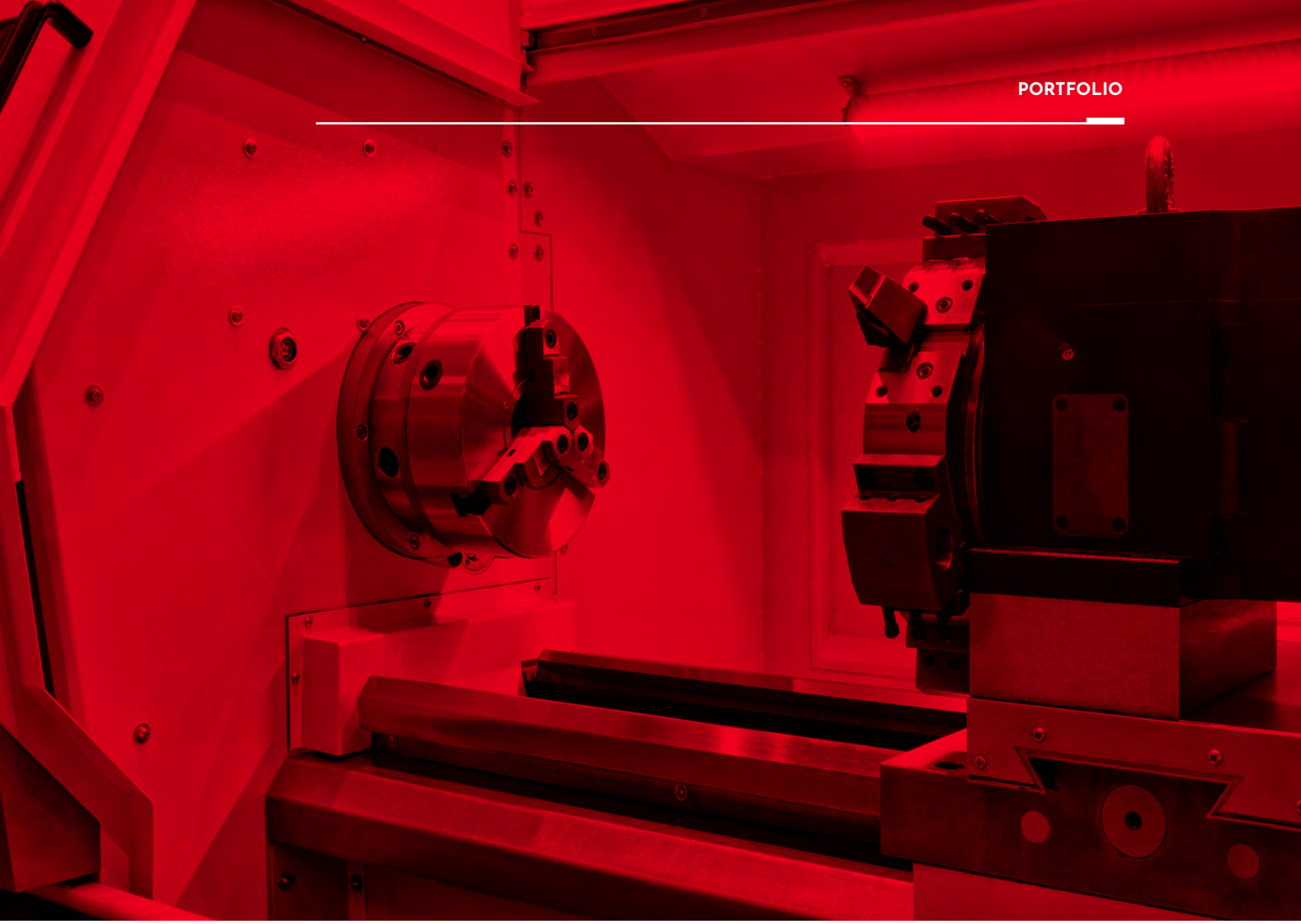


PEEK PLASTIC



HASTELLOY





FINISHING

MANUFACTURING EXCELLENCE

Aseptconn components have a polished surface and a complete decontamination and passivation. Ultrasonic washing and final cleaning in conformity with NSF and FDA standards for food and pharmaceutical processing. Process contact surfaces shall be finished using mechanical or electropolishing. A multiple step cycle process is conducted to ensure surfaces quality with consistent repeatability:

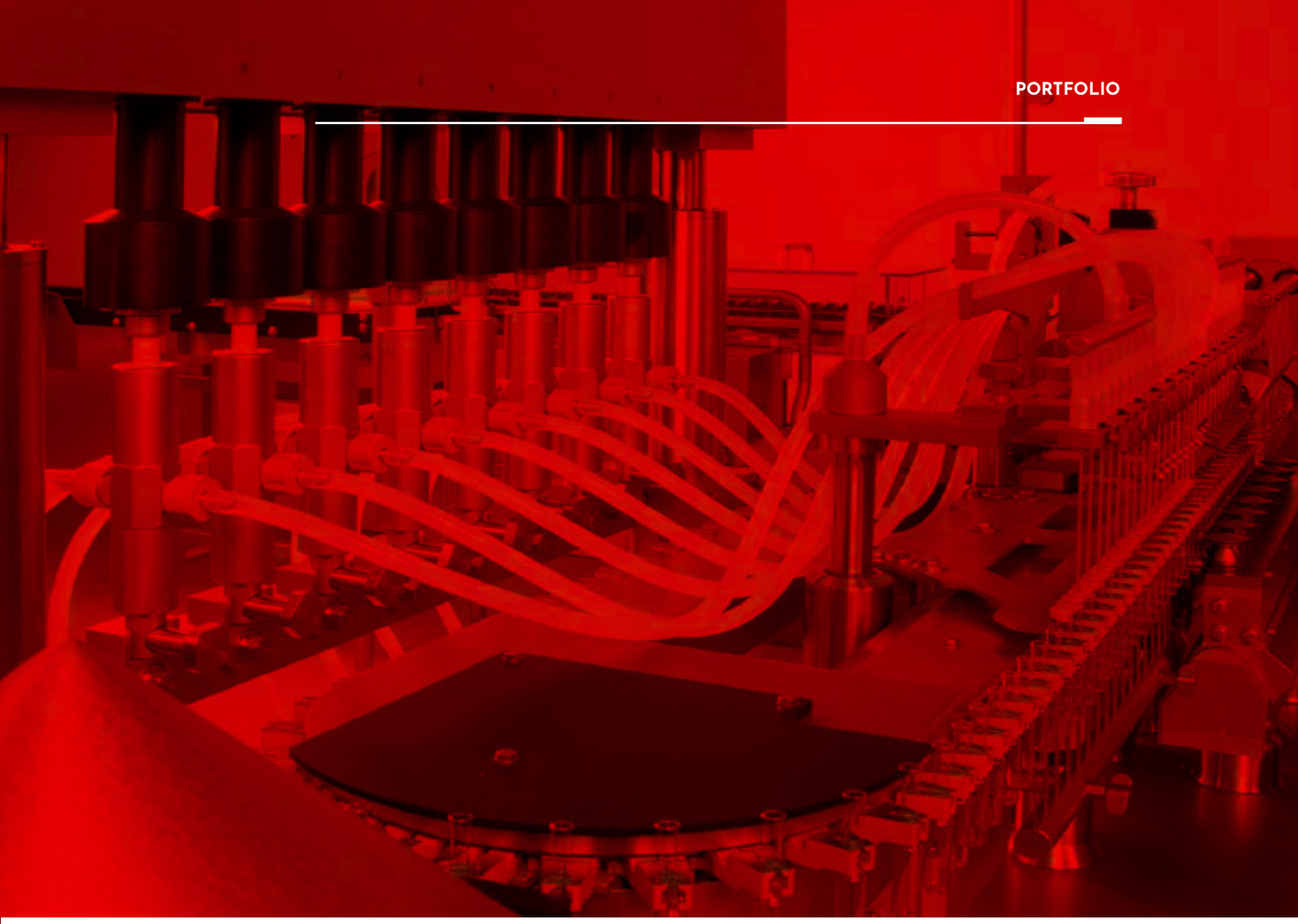
1. **Degreasing**
2. **Pickling**
3. **Passivation**
4. **De-ionized water cleaning**

MULTI-USE SOLUTIONS

MANUFACTURING EXCELLENCE

Aseptconn is specializing in designing and manufacturing top quality and accurate dosing systems that are 100% Swiss made. We achieve the highest standards of precision for dosing all kinds of pharmaceutical substances, a technologically advanced workshop and constant innovation in design. Aseptconn fill-finish components are designed made-to-measure, our custom-made service provides the best technical advice for any kind of customers requirements. We provide a wide range of solutions, accessories, and components for all types of sterile and aseptic operations. We can develop components for every pharmaceutical machinery starting from a sample or an initial drawing according to the technical specifications provided by our customers'. Aseptconn can repair old or damaged components which is significative cost saving for the customer.





VOLUMETRIC DOSING PUMPS

MANUFACTURING EXCELLENCE

Definition and Application Areas of Dosing Pumps in the Industry

Our high-precision dosing pumps are widely used in the production and filling of pharmaceutical ingredients, biologics, vaccines, and various industries. With precise dosing and long-lasting performance, our pumps enable maximum productivity and minimal waste, critical in fill-and-finish operations where each component contributes to the success of the production process. they are the result of advanced engineering and material science to meet the specific requirements and standards of each industry. Here are some of the key application areas:

PHARMA & BIOTECH



COSMETICS



CHEMICALS



FOOD & BEVERAGE



"WE ARE DRIVEN BY EXPERTISE THAT DELIVER HIGH-QUALITY PRODUCTS"

HIGH FILLING PRECISION FOR STERILE AND ASEPTIC PROCESSES

Volumetric Dosing Pumps

In specialized fields such as pharmaceuticals, biotechnology, cosmetics, chemicals, and food production, the reliability of every individual process step is paramount. Within this framework, dosing pumps play a pivotal role. Their precise design and execution ensure consistent dosing while simultaneously safeguarding the quality and integrity of the end product. For companies in the pharmaceutical and biotechnology industries seeking a reliable solution for their dosing needs, our Swiss-made volumetric dosing pumps offer the ideal combination of precision, quality, and flexibility.

Our volumetric dosing pumps are specifically designed to meet the rigorous demands of the pharmaceutical and biotechnology industries. Particularly in fill-and-finish applications, where precision and reliability are paramount, our pumps set new standards. Manufactured in Switzerland, they embody the highest Swiss quality standards, ensuring precise and repeatable dosing across a wide range of applications.

DOSING PUMPS SELECTION

MANUFACTURING EXCELLENCE

EXPERIENCE SWISS QUALITY IN DOSING TECHNOLOGY FOR THE HIGHEST STANDARDS IN THE PHARMA AND BIOTECH SECTORS

Choosing the right dosing pumps is crucial for the success of your pharmaceutical, biotechnological, or other critical processes. Aseptconn is your preferred partner for high-precision dosing pumps and other components that contribute to improving your processes. Our products are the result of innovation, quality, and years of industry experience.

BENEFITS OF OUR VOLUMETRIC DOSING PUMPS

Exact Dosing Accuracy: From milliliter to microliter volumes, ensuring precise fill-and-finish processes.

Superior Swiss Quality: Manufactured in-house to ISO standards with a focus on durable materials and precision engineering.

Compatibility: Easily integrated into diverse production lines and sterilizable for maximum safety.

Efficiency: High throughput without compromising on precision.

Precision and Reliability in Fill-and-Finish Processes: In the fill-and-finish sector, accurate dosing of small volumes is crucial. Our volumetric dosing pumps enable high-precision dosing and are optimized for the stringent requirements of sterile production environments. With in-house manufacturing in Switzerland, we guarantee that each production step is carefully monitored, and quality standards are strictly maintained.

Swiss Quality and In-House Manufacturing for Maximum Reliability: Our Swiss-based production facilities allow us complete control over the entire manufacturing process. This means each dosing pump undergoes rigorous testing and quality assurance before leaving our facilities. The result is a product that meets the demanding standards of the pharma and biotech sectors, reinforcing the reputation of Swiss quality.

Volumetric - DOSING PUMPS



SS316L

Piston Pump 0.3 - 2.1 ML for B+S Filling Machines



SS316L

Dosing pump 3.6 - 28 ML for B+S Filling Machines

Volumetric - DOSING PUMPS



SS316L

Dosing Pump 1.6 - 12.5 ML for B+S Filling Machines



SS316L

Dosing Pump 50 ML with SIlicone Hose Connection for Syntegon Bosch

Volumetric - DOSING PUMPS



SS316L

Dosing Pump 8 - 14 ML for Syntegon Bosch Filling Machines



SS316L & PEEK NUT

Dosing Pump 1 - 5 ML with Peek Nut for PTFE Hoses Syntegon Bosch

Volumetric - DOSING PUMPS



SS316L

Dosing Pump 25 ML for Groninger Filling Machines



SS316L

Dosing Pump 0.5 - 2.5 ML for Groninger FIlling Machines

Volumetric - DOSING PUMPS



SS316L

Pump 1.6 - 12.5 ML with Removable Bottom Clamp for Dara Pharma



SS316L & PEEK NUT

Dosing Pump 4.8 - 38.4 ML for Dara Pharma Filling Machines

Volumetric - DOSING PUMPS



SS316L

Dosing Pump 40 - 100 ML for MAR Filling Machines



SS316L

Pump with Flange Clamp 0.9 - 9.7 ML for MAR Filling Machines

Volumetric - DOSING PUMPS



SS316L & PEEK NUT

Dosing Pump 0.1 - 1.7 ML for Steriline Filling Machines



SS316L

Piston Pump 5 ML for Steriline SFM Filling Machines

Volumetric - DOSING PUMPS



SS316L

Dosing Pump 1 - 5 ML for IMA Pharmasiena Filling Machines



SS316L

Piston Pump 5 ML for IMA Pharmasiena Filling Machines

Volumetric - DOSING PUMPS



SS316L

Piston Pump 2 ML for Marchesini Corima Filling Machines



SS316L & PEEK NUT

Dosing Pump 4.8 - 52.9 ML for Marchesini Corima Filling Machines

Volumetric - DOSING PUMPS



SS316L

Dosing Pump 2.3 - 13.5 ML for Truking Filling Machines



SS316L

Pump 10 ML with Silicone Hose Connection for Romaco Machines

Volumetric - DOSING PUMPS



SS316L & PEEK NUT

Dosing Pump 0.3 - 3.2 ML for Tofflon Filling Machines



SS316L

Dosing Pump 5 - 25 ML for Tofflon Filling Machines

Volumetric - DOSING PUMPS



SS316L

Monoblock Dosing Pump 0.7 - 5.5 ML for Hull i-Dositecno Machines



SS316L

Monoblock Dosing Pump 0.1 - 1.5 ML for Colanar Machines

MULTI-USE NEEDLES

MANUFACTURING EXCELLENCE

Filling Needles are applicable for every pharmaceutical machine and designed for every liquid, volume, and viscosity to fill with accuracy the correct dose of the liquid from 0.005 up to 250 ML with volumetric or peristaltic fill- finish systems.

Aseptconn Needles can replace all the OEM fill-finish needles suitable for the main brands of machines such as Bausch Stroebel, Syntegon, IMA, Groninger, Marchesini, Rota, Optima, Romaco, Steriline machinery and more. The needles are designed for every liquid, volume and viscosity and can be repaired like new.





FILLING NEEDLES

MANUFACTURING EXCELLENCE

Definition and Application Areas of Filling Needles in the Industry

Filling needles are specially designed instruments used in various industries to precisely dose liquids or semi-liquid products and fill them into containers, ampoules, or other packaging. These needles are more than simple channels, they often result from advanced engineering and material science to meet the specific requirements and standards of each industry. Here are some of the key application areas:

PHARMA & BIOTECH

COSMETICS

CHEMICALS

FOOD & BEVERAGE

"WE ARE DRIVEN BY EXPERTISE THAT DELIVER HIGH-QUALITY PRODUCTS"

HIGH FILLING PRECISION FOR STERILE AND ASEPTIC PROCESSES

Filling Needles

In specialized fields such as biotechnology, pharmaceuticals, cosmetics, chemicals, and food production, the reliability of every individual process step is paramount. Within this framework, filling needles play a pivotal role. Their precise design and execution ensure consistent filling while simultaneously safeguarding the quality and integrity of the end product.

This section sheds light on the technical specifications and requirements of filling needles, emphasizes their central role in highly specialized industrial processes, and provides a guide on what to consider when acquiring these critical instruments. Filling needles, despite their apparent simplicity, are an integral part of many industrial processes. Their ability to dose liquids with high accuracy and consistency makes them an indispensable tool in a variety of industries.

NEEDLES SELECTION

MANUFACTURING EXCELLENCE

FEATURES OF HIGH-QUALITY NEEDLES SELECTION CRITERIA WHEN PURCHASING

Choosing the right needles is crucial for the success of your pharmaceutical, bio-technological, or other critical processes. Aseptconn is your preferred partner for high-quality needles and other components that contribute to improving your processes. Our products are the result of innovation, quality, and years of industry experience.

Our design team can develop components for any pharmaceutical machine, starting from a sample or initial drawing according to our customers technical specifications. At first glance, a needle may appear to be a simple tool, but there are critical details in its design and manufacturing that determine its efficiency and reliability. By examining the following features, you can identify the right needle for your production:

Multi-Use: Our multi-use needles need to be cleaned before use. However, since they can be reused several times before replacement, they offer short-term cost savings. Stainless steel needles provide a wide range of filling options that can eliminate issues like foaming or dripping. They can also be tailored to specific needs.

Single-Use: These needles do not require cleaning before use, which extends manufacturing time and reduces processing and cleaning times. Furthermore, they are self-cleaning, gamma-irradiated, and delivered in double packaging to ensure sterility. Single-use needles eliminate the risk of cross-contamination with other components since they are used only once.

FEATURES OF HIGH-QUALITY NEEDLES SELECTION CRITERIA WHEN PURCHASING

Material Quality: The material from which the needle is made plays a crucial role. For example, stainless steel is often the preferred choice in the pharmaceutical and food industries due to it's durability, corrosion resistance, and sterility.

Precision: A needle must be able to dose liquids or other substances in a precisely defined quantities. The design of the tip and the diameter of the needle determine how accurately and uniformly the substance is dispensed.

Compatibility: The needle should be compatible with the machines and fill-finish systems used in the respective industry. Good adaptability ensures seamless integration into existing production lines.

Ease of Cleaning: An easily cleanable needle minimizes the risk of contamination and ensures high product quality. In indistries such as pharmaceuticals or food production, this can be crucial.

Robustness: The needle should be resistant to mechanical stresses, high temperatures, and chemical influences. This ensures a long service life and prevents frequent failures or replacements.

Certifications: Especially in regulated industries, needle should comply with relevant standards and certifications. Such certificates guarantee that the product has undergone strict quality and safety checks and ensure operational safety.

* When acquiring a needle, it is essential to consider not only the price but, more importantly, the criteria mentioned above. Careful selection guarantees not only efficient production but also the safety and quality of the end product.

Multi-Use - FILLING NEEDLES





CROSS

FILLING TIP

SS316L

Filling Needle with Cross Tip for B+S Ampoules Machines

Multi-Use - FILLING NEEDLES





MULTI-OUTLET BASKET

FILLING TIP

SS316L

Multi-Outlet Tip Filling Needle for B+S Vials Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle for B+S Ampoules Machines



SS316L

Filling Needle with Anti-Drip Tip for B+S Ampoules Machines

Multi-Use - FILLING NEEDLES



SS316L & PEEK NUT

PTFE Connection Filling Needle for B+S Vials Machines



SS316L

Filling Needle with Anti-Drip Tip for B+S Syringes Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle with Flattened Tip for Dara Pharma Vials Machines



SS316L

Filling Needle for Dara Pharma Syringes Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle for Dara Pharma Ampoules Machines



SS316L & PEEK NUT

Filling Needle for Tofflon Vials Machines with Peek Nut

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle with Bevel Tip for Ast,Inc. Filler Machines



SS316L

Filling Needle for Ast,Inc. Vials Filling Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle with Bevel Tip for Ast,Inc. Ampoules Machines



SS316L

Filling Needle with Anti-Drip Tip for MAR Filling Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle with PTFE Coating for Groninger Vials Machines



SS316L

Filling Needle for Groninger Syringes Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle for Groninger Syringes Machines



SS316L

Filling Needle for Groninger Sterile Filler Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle with Anti-Drip Tip for Watson Marlow Peristaltic Pump



SS316L

Filling Needle for with Cross Tip for Watson Marlow Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle for Optima Inova Vials Machines



SS316L

Filling Needle with Conical Tip for IMA Pharmasiena Vials Machines

Multi-Use - FILLING NEEDLES



SS316 & PEEK NUT

Filling Needle with Anti-Drip Tip for IMA Pharmasiena Filler Machines



SS316L

Filling Needle for IMA Pharmasiena Aseptic Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle with Anti-Drip Tip for IMA Pharmasiena Machines



SS316L

Needle with Anti-Foam Scoop Tip for IMA Pharmasiena Machines

Multi-Use - FILLING NEEDLES



SS316L

Silicone Hose Connection Needle for IMA Farmomac Vials Machines



SS316L

PTFE Hose Connection Filling Needle for IMA Farmomac Aseptic Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle with Anti-Drip Tip for Marchesini Ampoules Machines



SS316L & PEEK NUT

PTFE Hose Connection Filling Needle for Marchesini Vials Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle with Anti-Drip Tip for Rota Ampoules Machines



SS316L

Filling Needle for Rota Ampoules Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle for Rota Vials Machines



SS316L

Filling Needle for Romaco Filling Machines

Multi-Use - FILLING NEEDLES



SS316L

Needle with Anti-Foam Scoop Tip
for Syntegon Bosch Vials Machines



SS316L

Filling Needle with Anti-Drip Tip
for Syntegon Bosch Vials Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle for Syntegon Bosch
Syringes Machines



SS316L

Filling Needle for Syntegon Bosch
Syringes Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle for Steriline SFM Vials Machines



SS316L

Filling Needle for Steriline SFM Ampoules Machines

Multi-Use - FILLING NEEDLES



SS316L

Filling Needle for Truking Syringes Machines



SS316L & PEEK NUT

Filling Needle for Truking Vials Machines

Multi-Use - Single-Use - FILLING NEEDLES



Peek needles:
Peek needle are autoclavable and suitable for sterile or aseptic environments with acid-corrosives substances. The needles can be used like disposable or multi-use. Aseptconn can provide pre-sterilized needles packaged in double bag and assembled with silicone or PTFE hoses. The benefits of this solutions are many: metal Ion-free filling, suitable for warm liquids, high chemical stability, low weight and good cleanability.

PEEK

Acid-Proof Peek Filling Needle for Syntegon Bosch Vials Machines

Multi-Use - Single-Use - FILLING NEEDLES



PEEK

Acid-Proof Filling Needle with Conical Tip for Watson Marlow



PEEK

Acid-Proof Peek Filling Needle for Watson Marlow Sterile Machines

SINGLE-USE NEEDLES

MANUFACTURING EXCELLENCE

These needles do not require cleaning before use, which extends manufacturing time and reduces processing and cleaning times. Furthermore, they are self-cleaning, gamma-irradiated, and delivered in double packaging to ensure sterility. Single-use needles eliminate the risk of cross-contamination with other components since they are used only once.

SELF-CLEANING | **GAMMA-IRRADIATED** | **NO CROSS-CONTAMINATION** | **DOUBLE PACKAGING**

Single-Use - FILLING NEEDLES



SS316L & PEEK

Disposable Filling Needle for Groninger Aseptic Filler Machines



SS316L & PP

Check Valve Needle with Anti-Drip Tip for Watson Marlow Machines

NEEDLE TIPS

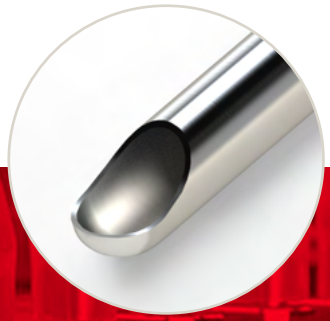
MANUFACTURING EXCELLENCE

The needles may be partly responsible in some cases for filling problems such as foam, dripping, splash, liquid that overflows. We have already treated many problems and we can optimize many parts of the needle to limit or to remove the aspects that disrupted the filling. It should be noted that the needle represents only a small part of filling problems, in most of cases it is often necessary to look at other aspects of the filling line for example cadence, dosed product, installation. To find the origin we have the best technical expert who can intervene on your installations to analyze the situation and allow you to solve the malfunctions. Customized needle tips are developed to fix or reduce the common filling problems and can be produced for every needle.



ANTI-DRIP

BASKET 30 TIP



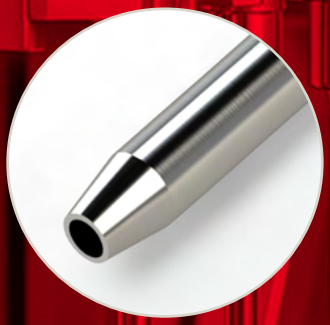
ANTI-FOAM

SCOOP TIP



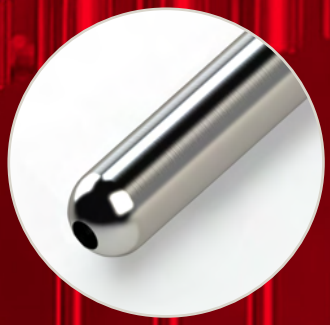
FLATTENED

TIP



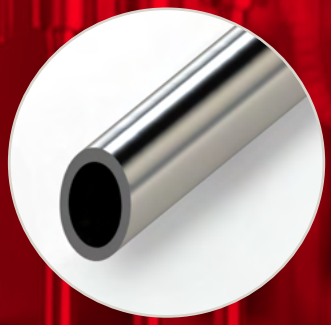
CONICAL

TIP



RESTRICTION

TIP



BEVEL

TIP

info@aseptconn.ch

FILLING + GASSING NEEDLES

MANUFACTURING EXCELLENCE

Our laser welded filling + gassing needles are designed to optimize the nitrogen diffusion inside vials, ampoules and syringes. Laser marking - permanent identification with complete traceability of lot number. Their RA < 0.5 µm guarantees maximum sterilisation and hygiene standards. Respect for good manufacturing processes: GMP. passivated and decontaminated.

Co-Axial Nitrogen + Filling Needles Tips: are developed to optimize the gas diffusion inside the pharmaceutical container and fix or reduce the main filling problem. Customized needle tips can be developed by our engineerings design team and can be produced for every needle. Our expert guidance and customer support can provide the best solutions to optimize many parts of the needle to limit or to remove the aspects that disrupted the filling + gassing process. Aseptconn Customized needle tips are developed for every needle.



Multi-Use - FILLING + GASSING NEEDLES



SS316L

Nitrogen + Filling Needle for
Dara Pharma Syringe Machines



SS316L

Gassing + Filling Needle for
Groninger Aseptic Machines

Multi-Use - FILLING + GASSING NEEDLES



SS316L

Gassing + Filling Needle for IMA
Pharma Ampoules Machines



SS316L

Gassing + Filling Needle for
MAR Sterile Machines

Multi-Use - FILLING + GASSING NEEDLES



SS316L

Nitrogen + Filling Needle for
B+S Syringe Machines



SS316L

Gassing + Filling Needle for
B+S Syringe Machines

Multi-Use - FILLING + GASSING NEEDLES



SS316L

Gassing + Filling Needle for
B+S Aseptic Machines



4 SPLITS GASSING TUBE

FLAT FILLING + GASSING TIP

Multi-Use - FILLING + GASSING NEEDLES



SS316L

Nitrogen + Filling Needle for
Marchesini Ampoules Machines



3 SPLITS GASSING TUBE

FLAT FILLING + GASSING TIP

Multi-Use - FILLING + GASSING NEEDLES



SS316L

Gassing + Filling Needle for
Optima Inova Sterile Machines



SS316L

Gassing + Filling Needle for
Rota Ampoules Machines

GASSING NEEDLES

MANUFACTURING EXCELLENCE

Developed for the best gas - nitrogen diffusion inside the pharmaceutical containers and made with thick material for longer lifetime and less possibilities of bent tubes. In some models the gassing tube has also the function of perfect centering of the filling tube. Aseptconn always use food & pharma regulations compliant material steelworks and manufacturers MOCA or FDA certified, ensuring maximum quality of products thanks to strict controls on raw materials. The final product must meet the highest quality standards monitored with appropriate measuring equipment. Products certifications include the tests reports carried out, quality and roughness reports.



Multi-Use - GASSING NEEDLES



SS316L

Nitrogen Gassing Needle for MAR Vials Machines



SS316L

Nitrogen Gassing Needle for Marchesini Ampoules Machines

Multi-Use - GASSING NEEDLES



SS316L

Nitrogen Gassing Needle for Rota Ampoules Machines



SS316L

Groninger Nitrogen Gassing Needle for Aseptic Machines

Multi-Use - GASSING NEEDLES



SS316L

Nitrogen Gassing Needle for
B+S Syringe Machines



SS316L

Nitrogen Gassing Needle for
B+S Vials Machines

Multi-Use - GASSING NEEDLES



SS316L

Nitrogen Gassing Needle for
Syntegon Bosch Ampoules Machines



SS316L

Nitrogen Gassing Filling Needle
for Syntegon Bosch Vials Machines



NEEDLE SELECTION

MANUFACTURING EXCELLENCE

HIGH-QUALITY GASSING NEEDLES: EFFECIENCY AND PRECISION IN PHARMA AND BIOTECH PROCESSES

The world of pharmacy and biotechnology demands precision, reliability, and safety at every stage of production. A crucial component that plays a decisive role in this context is gassing needles. These small yet significant tools ensure the even distribution of gases and sterile fluids in a process that requires the highest standards of hygiene and quality. We will explain how gassing needles are used in the industry, what distinguishes high-quality needles, and what criteria you should consider when making a purchase.

* The significance of gassing needles in these industries cannot be overstated, as they form the foundation for hygienic and efficient processes.

CHARACTERISTICS OF HIGH-QUALITY GASSING NEEDLES AND SELECTION CRITERIA OF PURCHASE

Definition and Industrial Applications of Gassing Needles

Gassing needles are specialized instruments used in a variety of industrial applications. Their primary purpose is to introduce gases or sterile fluids uniformly into a process to ensure sterility and control. The key application areas include:

Pharmaceutical Production: In the manufacturing of medicines and vaccines, gassing needles are essential to ensure reliable sterilization and homogenization of liquids.

Food and Beverage Industry: The production of food often requires the control of gases such as nitrogen to ensure product quality and durability.

When selecting gassing needles, there are specific features to keep in mind that distinguish high-quality needles from others. The key critteria include:

Material Quality: High-quality gassing needles are made of corrosion-resistant materials such as stainless steel or peek (polyetheretherketone). This ensures long-lasting durability and sterility.

Precise Design: The needle should be designed to ensure the uniform distribution of gas or fluid, preventing hotspots.

Compatibility: We ensure that the needle is compatible with your specific application and existing equipment.

Certifications: We check if the gassing needles comply with international standards and certifications for sterilization and quality.

Consultation and Support: Aseptconn is a reliable manufacturer that provides expert guidance and customer support to ensure you make the right choice.

At Aseptconn, we offer gassing needles that meet all of these criteria and are available in various sizes and configurations. Our experts are available to assist you in selecting the appropriate needles for your specific applications.

WASHING NEEDLES

MANUFACTURING EXCELLENCE

Aseptconn washing needles are developed to optimize the washing performance with strong and durable tubes and tips. Aseptconn washing needles are possible to install in the main brands of machines and we can optimize the washing efficiency with a significative WFI use reduction with our special tips. For your machine we recommend a sufficient number of needles to ensure the smooth washing operations.



Multi-Use - WASHING NEEDLES



SS316L

Washing Needle for B+S Machines

Washing Needles Tips:

Aseptconn developed strong and durable tubes and tips for high pressure washing needles for the best cleaning performance.



MULTI-HOLE

WASHING TIP

Multi-Use - WASHING NEEDLES



SS316L

Multi-Outlet Rinsing Needle for Dara Pharma Machines



SS316L

High Pressure Washing Needle for Dara Pharma Machines

Multi-Use - WASHING NEEDLES



SS316L

Washing Needle for IMA Farmomac Vials Machines



SS316L

Washing Needle for Marchesini Machines

Multi-Use - WASHING NEEDLES



SS316L

Turbo Washing Needle for Steriline SFM Machines



TURBO

WASHING TIP

Multi-Use - WASHING NEEDLES



SS316L

Washing Needle for Rota Machines



SS316L

Rinsing Needle for Syntegon Bosch Machines

Multi-Use - WASHING NEEDLES



SS316L

Multi-Outlets Washing Needle for Syntegon Bosch Vials Machines



MULTI-HOLE

WASHING TIP

BLOWING & SUCTION NEEDLES

MANUFACTURING EXCELLENCE

Blowing needles are mainly designed for Blow-Fill-Seal machines or to reduce drastically the drying operations of pre-washed vials or other pharmaceutical containers. Suction needles are special type of needles designed to adjust the correct height of the needle tip in relation of the liquid level for the best suction performance and precise regulation. Their RA < 0.5 µm guarantees maximum sterilisation and hygiene standards, respect for good manufacturing processes: GMP. passivated and decontaminated. They are laser marked with permanent identification and complete traceability of lot number



Multi-Use - BLOWING NEEDLES



SS316L

Blowing Needle for B+S Machines



SS316L

Blowing Needle with Special Tip for Dara Pharma Machines

Multi-Use - SUCTION NEEDLES



SS316L

Suction Needle for Syntegon Bosch Machines



MULTI-CUTS

BLOWING TIP

FILLING NOZZLES

MANUFACTURING EXCELLENCE

In specialized fields such as biotechnology, pharmaceuticals, cosmetics, chemicals, and food production, the reliability of every individual process step is paramount. Within this framework, filling nozzles play a pivotal role. Their precise design and execution ensure consistent filling while simultaneously safeguarding the quality and integrity of the end product.

High-Precision Filling Nozzles for Liquid Handling: Liquid Filling Nozzles are crucial elements to the machine's performance, a device that is designed to control the direction of the fluid flow as it exits the filler into a container.

Aseptconn Filling Nozzles come in a wide variety of designs: Special tips design can be applied to the nozzles to prevent dripping when fillinng low surface tension liquids, for drip-free, foam-free, and string-free filling.

Filling Nozzles for Various Liquid Types: Our filling nozzles are designed to handle a wide range of liquid products, from water-like substances to viscous, non-viscous, and foamy liquids. When dealing with viscous liquids, filling nozzles with restriction tips are the ideal choice to ensure precise filling. For foamy liquids, we offer specialized scoop tips with a bottom-up fill, which helps minimize foam and ensures accurate filling. The anti-splash filling nozzles have a special design, where the tip is divided into three outlets that split the flow into three streams that are led down the sides in the container, thereby minimizing splashing and foaming.

High-precision made nozzles are an important component of liquid filling machines. Our nozzles are developed for pharma, food and cosmetic machines. We have developed a variety of precision-made nozzles to optimize the filling of any liquid product. Our Nozzles are reliable, durable, corrosion resistant, and easy to clean.

Multi-Use - FILLING NOZZLES



SS316L

Pharmaceutical Filling Nozzle with Conical Tip for Sterile Machines



SS316L

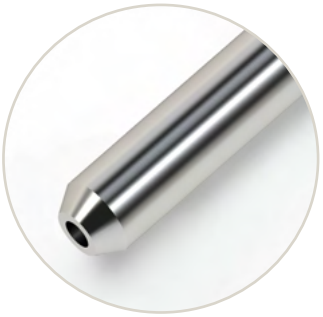
Pharmaceutical Filling Nozzle with Conical Tip for Sterile Machines

Multi-Use - FILLING NOZZLES



SS316L

Filling Nozzle with Conical Tip Reduction 1mm for Sterile Machines



CONICAL

REDUCTION 3MM

Multi-Use - FILLING NOZZLES



SS316L

Filling Nozzle with Antifoam Scoop Tip for J.Esquerda Machines



SS316L

Pharmaceutical Filling Nozzle for Optima Filling Machines

Multi-Use - FILLING NOZZLES



SS316L

Filling Nozzle with Restriction Tip for AST, INC. Vials Machines



SS316L

Pharmaceutical Filling Nozzle with Conical Tip for Sterile Machines

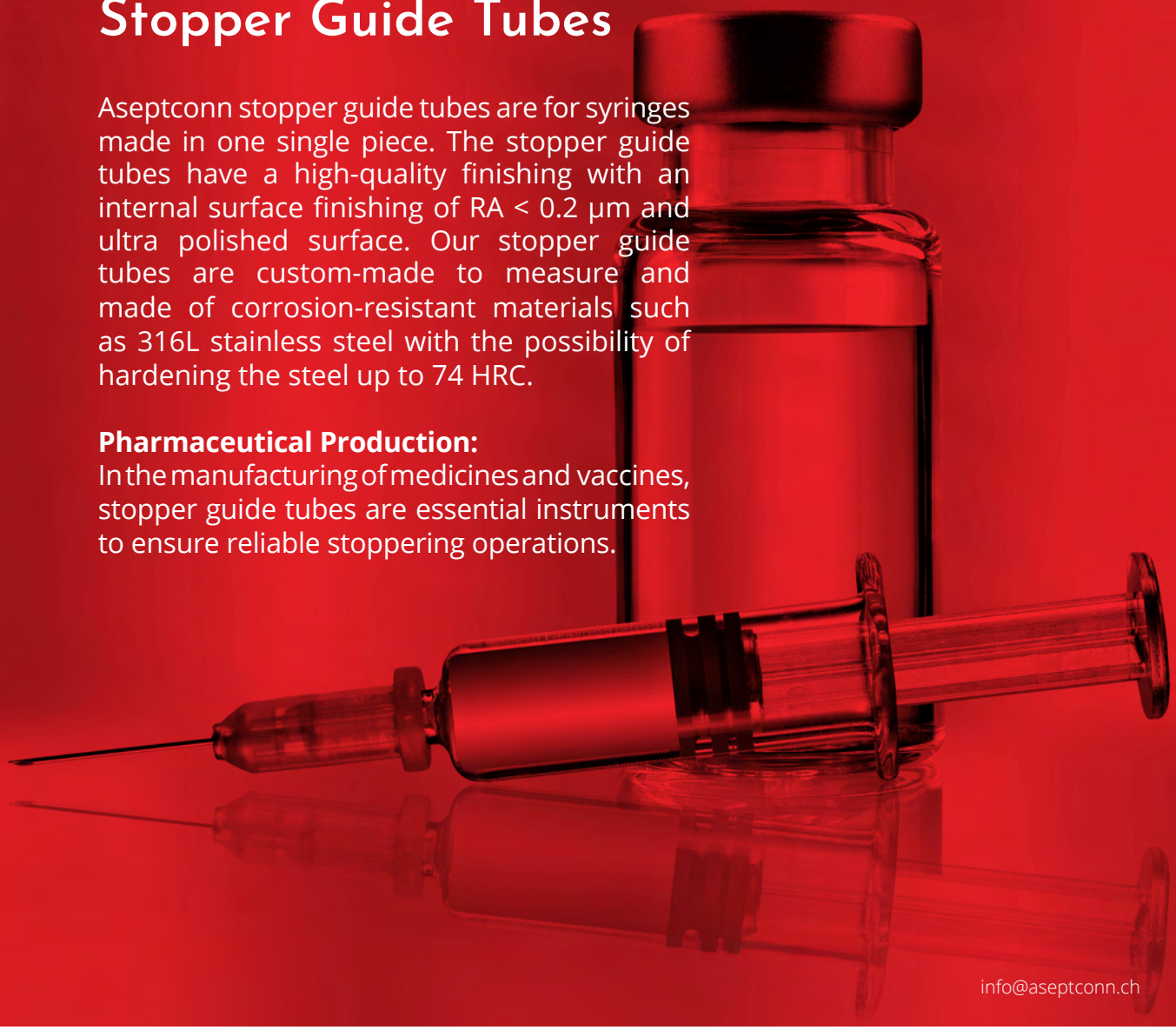
"
WE ARE DRIVEN BY EXPERTISE THAT DELIVER HIGH-QUALITY PRODUCTS

CRITICAL APPLICATIONS FOR STERILE AND ASEPTIC PROCESSESES

Stopper Guide Tubes

Aseptconn stopper guide tubes are for syringes made in one single piece. The stopper guide tubes have a high-quality finishing with an internal surface finishing of RA < 0.2 µm and ultra polished surface. Our stopper guide tubes are custom-made to measure and made of corrosion-resistant materials such as 316L stainless steel with the possibility of hardening the steel up to 74 HRC.

Pharmaceutical Production:
In the manufacturing of medicines and vaccines, stopper guide tubes are essential instruments to ensure reliable stoppering operations.



STOPPER GUIDE TUBES

MANUFACTURING EXCELLENCE

CHARACTERISTICS OF HIGH-QUALITY STOPPER GUIDE TUBES

When selecting stopper guide tubes, there are specific features to keep in mind that distinguish high-quality syringes stopper tubes from others. The key critteria include:

Precise Design: Aseptconn offers a comprehensive service, support, and technical advice from design to final installation. We can deliver custom-made designs; our design engineers will support you with the first step in inventorying the process correctly to meet your needs and requirements.

Manufacturing Excellence: High-quality stopper guide tubes are made in respect for good manufacturing processes: GMP, this ensures long-lasting durability and sterility. Their internal surface finishing of RA < 0.2 µm and polished surface guarantees maximum sterilisation and hygiene standards. They are laser marked with permanent identification and complete traceability of lot number.

Multi-Use - STOPPER GUIDE TUBES



SS316L

Syringe Stopper Guide Tube For B+S Sterile Machines



SS316L

Syringes Stopper Guide Tube for Truking Filling Machines

Multi-Use - STOPPER GUIDE TUBES



SS316L

Syringes Stopper Guide Tube for Syntegon Bosch Aseptic Machines



SS316L

Syringes Stopper Guide Tube for Marchesini Filling Machines

Multi-Use - STOPPER GUIDE TUBES



SS316L

Syringes Stopper Guide Tube for Dara Pharma Filling Machines



SS316L

Syringes Stopper Guide Tube for Groninger Filling Machines

Multi-Use - STOPPER GUIDE TUBES



SS316L

Syringes Stopper Guide Tube for Syntegon Bosch Aseptic Machines



SS316L

Syringes Stopper Guide Tube Hardened for Groninger Machines

Multi-Use - STOPPER GUIDE TUBES



SS316L

Syringes Stopper Guide Tube for Dara Pharma Filling Machines



SS316L

Syringes Stopper Guide Tube for Inova Optima Filling Machines

STOPPER PLUNGERS

MANUFACTURING EXCELLENCE

STOPPER PLUNGERS FOR GUIDE TUBES: ESSENTIAL INSTRUMENTS IN PRECISE PHARMACEUTICAL PROCESSES

Pharmaceutical Production: In the manufacturing of medicines and vaccines, stopper plungers are essential instruments to ensure reliable stoppering operations.

Characteristics of High-Quality Stopper Plungers for Guide Tubes

When selecting stopper plungers, there are specific features to keep in mind that distinguish high-quality syringes stopper plungers from others. The key criteria include:

Precise Design: Aseptconn offers a comprehensive service, support, and technical advice from design to final installation. We can deliver custom-made designs; our design engineers will support you with the first step in inventory-ing the process correctly to meet your needs and requirements.

Manufacturing Excellence: High-quality stopper plungers are made in respect for good manufacturing processes: GMP, this ensures long-lasting durability and sterility. Their surface finishing of RA < 0.5 µm and polished surface guarantees maximum sterilization and hygiene standards. They are laser marked with permanent identification and complete traceability of lot number.

Multi-Use - STOPPER PLUNGERS



SS316L

Plunger for Guide Tubes Syntegon Bosch Syringes Machines



SS316L

Stopper Insertion Plunger for IMA Pharmasiena Syringes Machines

Multi-Use - STOPPER PLUNGERS



SS316L

Pharmaceutical Pusher for B+S Syringes Stoppering Machines



SS316L

Plunger for Guide Tubes Syringe Marchesini Corima Machines



CONNECTIONS

MANUFACTURING EXCELLENCE

Connections are specialized parts used in a variety of industrial applications. These components are custom-made to measure and developed by our skilled designers to fit the customers requirements. Made from 316L stainless steel and supplied with the complete 3.1 certification according to EN 10204. Aseptconn always use food & pharma regulations compliant material steelworks and manufacturers MOCA or FDA certified, ensuring maximum quality of products thanks to strict controls on raw materials. The final product must meet the highest quality standards monitored with appropriate measuring equipment. We ensure that our components are compatible with your specific application and existing equipment.

Components - CONNECTIONS



SS316L

PTFE Hoses Reducer for Syntegon Bosch Filling Machines



SS316L

Pharmaceutical Silicone Hose Reducer for MAR Filling Machines

Components - CONNECTIONS



SS316L

Pharmaceutical Connection for Optima Inova Dosing Pumps



SS316L

Pharmaceutical Silicone Hose Connection for B+S Filling Machines

Components - CONNECTIONS



SS316L

Pharmaceutical Connection for Groninger Dosing Pump



SS316L

Pharmaceutical Connection for Truking Dosing Pump

Components - CONNECTIONS



SS316L

Pharmaceutical Silicone Hose Reducer for MAR Filling Machines



SS316L

Pharmaceutical Bent Connection for IMA Farmomac Dosing Machines

MANIFOLDS & TANKS

MANUFACTURING EXCELLENCE

The world of pharmacy and biotechnology demands precision, reliability, and safety at every stage of production. A crucial component that plays a decisive role in this context are tanks and manifolds. They are significant tools ensure the distribution of sterile fluids in a process that requires the highest standards of hygiene and quality. Manifolds and Tanks are specialized instruments for dosing systems used in a variety of pharma applications. Their primary purpose is to introduce sterile fluids uniformly into a process to ensure sterility and control. They are custom-made to measure and developed by our skilled designers to fit the customers requirements.

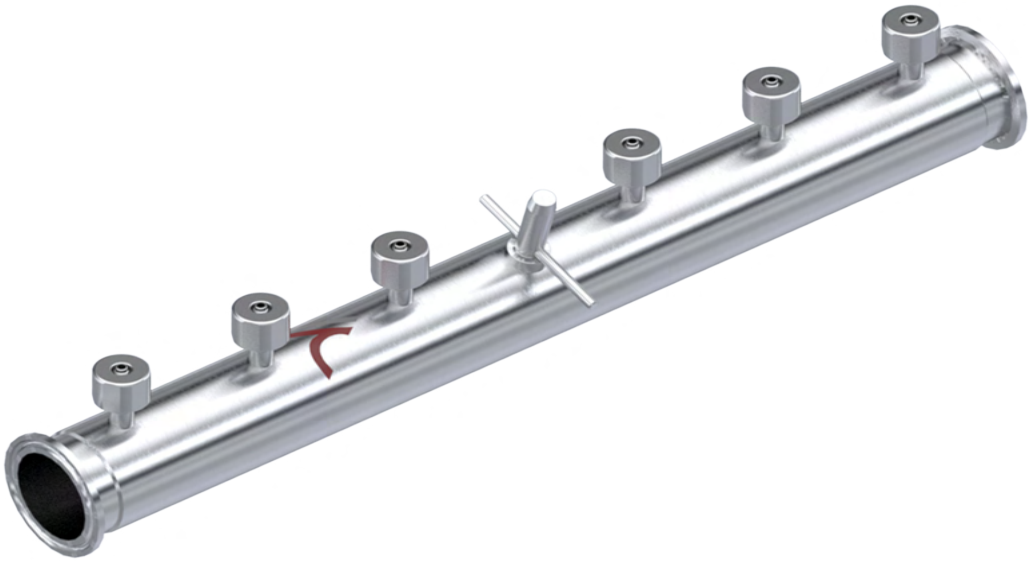
Manifolds & Tanks - MANIFOLDS



SS316L

Manifold with Silicone Hoses
Connections for Steriline Machines

Manifolds & Tanks - MANIFOLDS



SS316L

Manifold with PTFE Hoses
Connections for Syntegon Machines

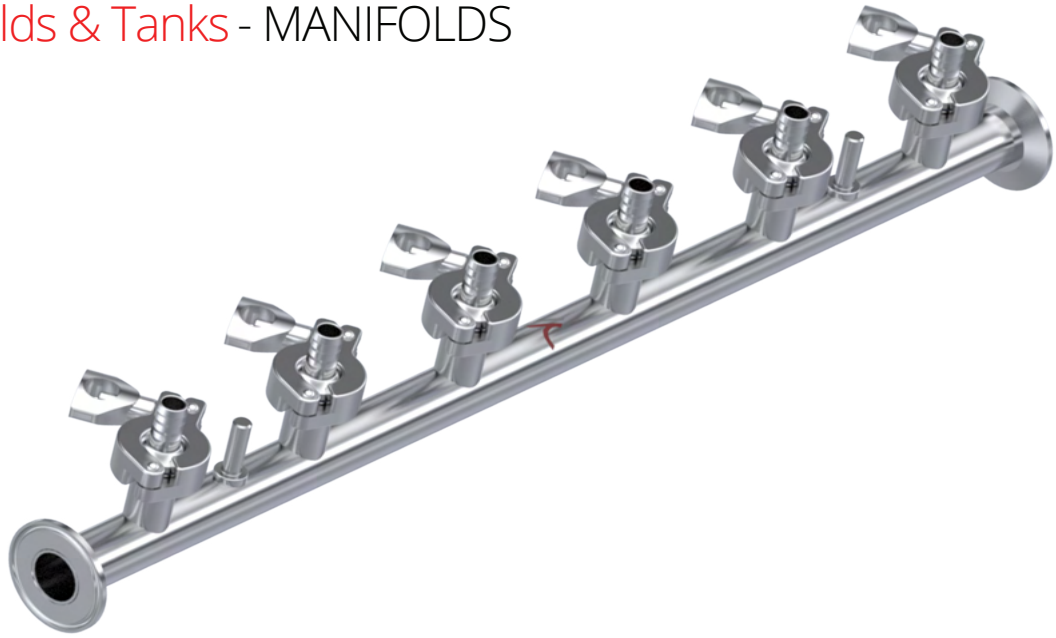
Manifolds & Tanks - MANIFOLDS



SS316L

Pharmaceutical Manifold with Clamp
Connections for Truking Machines

Manifolds & Tanks - MANIFOLDS



SS316L

Pharmaceutical Manifold for IMA Farmomac Aseptic Machines

Manifolds & Tanks - MANIFOLDS



SS316L

Pharmaceutical Liquids Manifold for Optima Inova Sterile Machines

Manifolds & Tanks - MANIFOLDS



SS316L

Manifold with Interchangeable Outlets for Groninger Machines

Manifolds & Tanks - MANIFOLDS



SS316L

Pharmaceutical Liqids Manifold for B+S Aseptic Machines

Manifolds & Tanks - TANKS



SS316L

Pharmaceutical Liquid Tank for Rota Sterile Ampoules Machines

Manifolds & Tanks - TANKS



SS316L

Pharmaceutical Liquid Tank for Groninger Sterile Filling Machines

Manifolds & Tanks - TANKS



SS316L

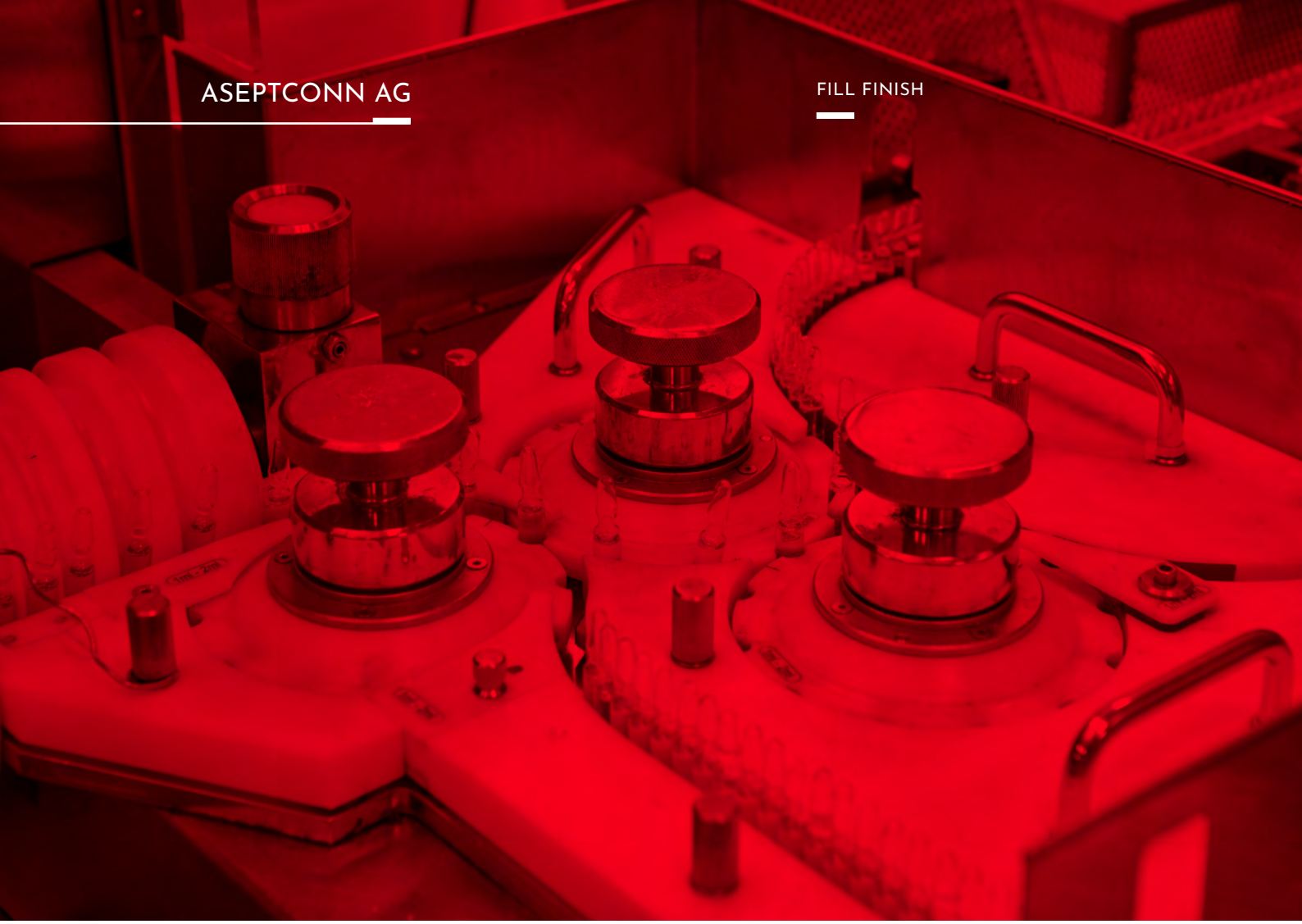
Pharmaceutical Liquid Tank for
Syntegon Bosch Sterile Machines

Manifolds & Tanks - TANKS



SS316L

Pharmaceutical Liquid Tank for B+S
Sterile Machines



FORMAT PARTS

MANUFACTURING EXCELLENCE

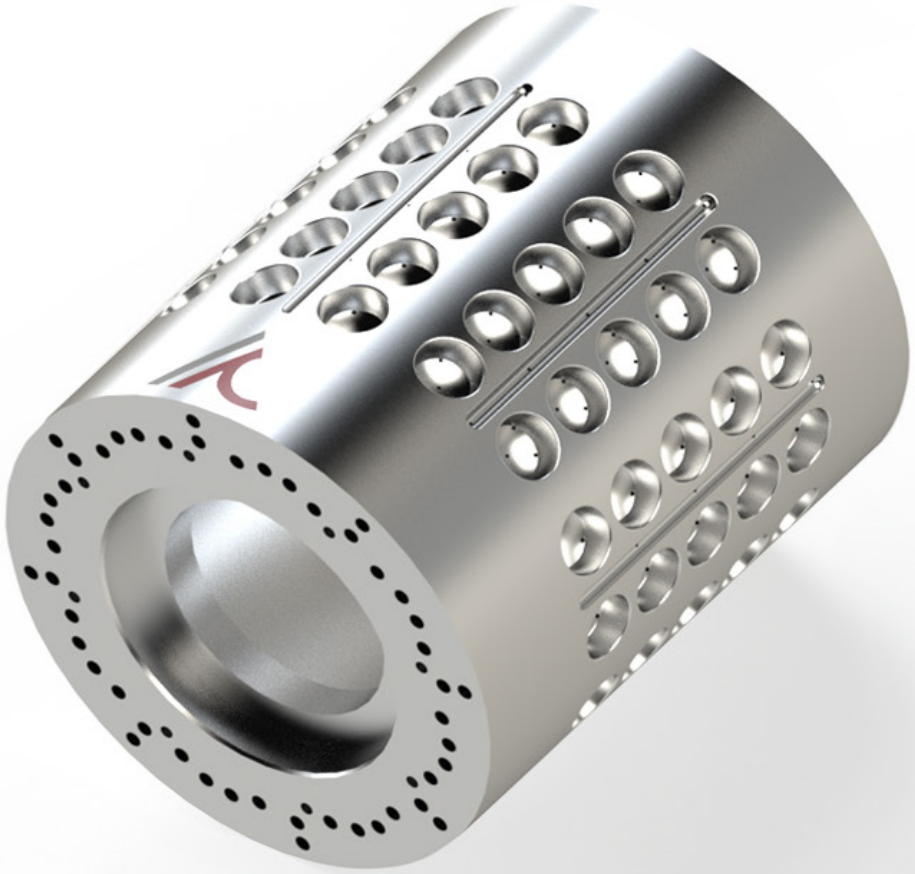
Our Format Parts are for all pharmaceutical machines to handle ampoules and vials. These components are custom-made to measure and developed by our skilled designers to fit our customers requirements. We ensure that our components are compatible with your specific application and existing equipment.



POM-C PLASTIC

Plastic Format Spare Parts for Marchesini Vials Machines

FORMAT PARTS FOR STERILE AND ASEPTIC PROCESSES



SS316L

Format Part for Blister Packing Machines

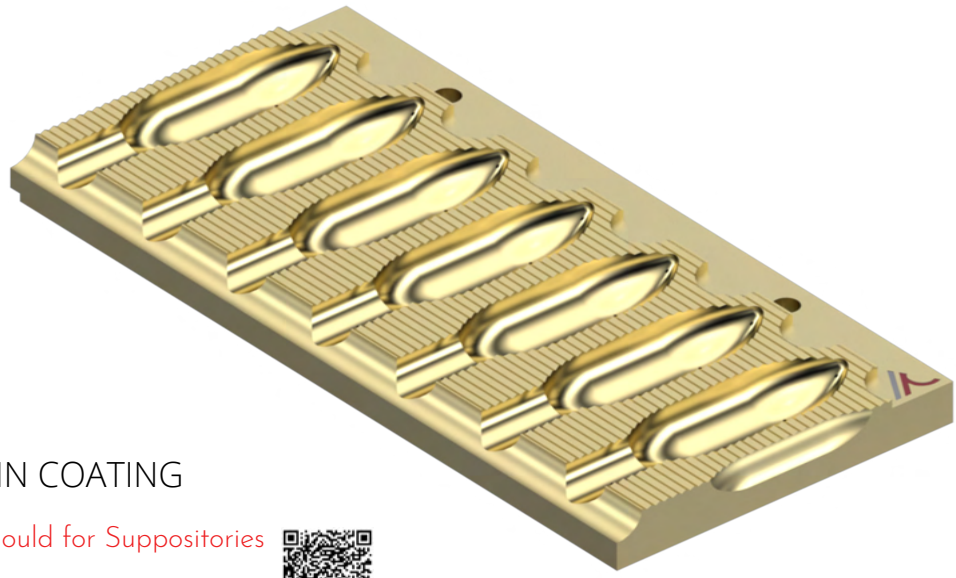
Format Parts - FORMATS



SS316L

Nest Format Part for IMA
Pharmaceutical Syringes Machines

Format Parts - FORMATS



SS316L & TIN COATING

Format Part Mould for Suppositories
Filling Machines

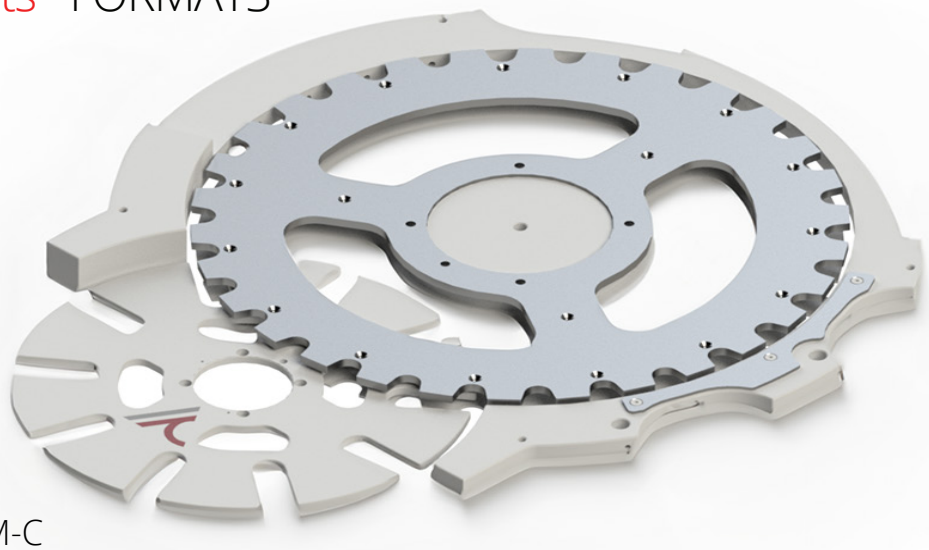
Format Parts - FORMATS



SS316L

Format Part for Marchesini
Ampoules Machines

Format Parts - FORMATS



SS316L & POM-C

Format Parts for Groninger
Vials Machines

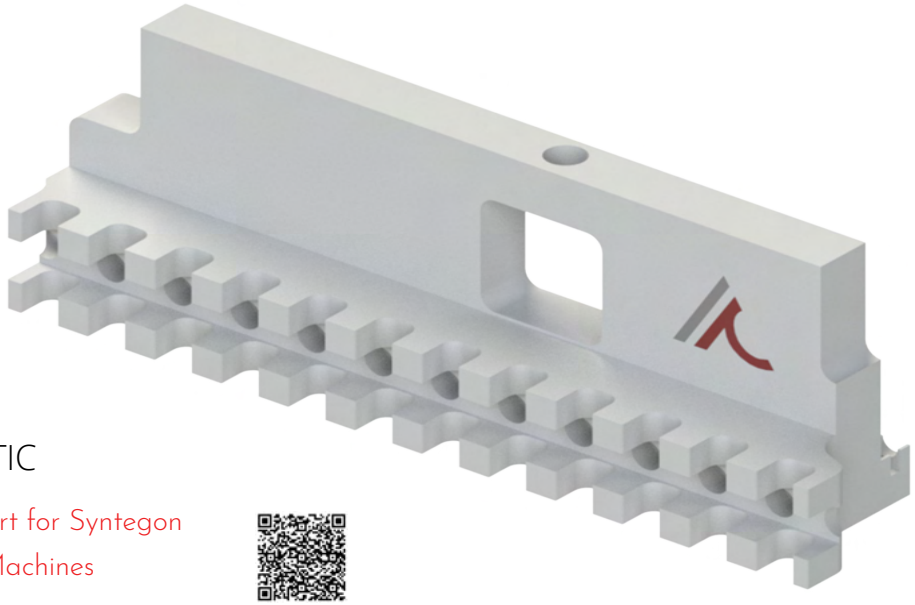
Format Parts - FORMATS



POM-C PLASTIC

Plastic Format Part for Syntegon
Bosch Vials Machines

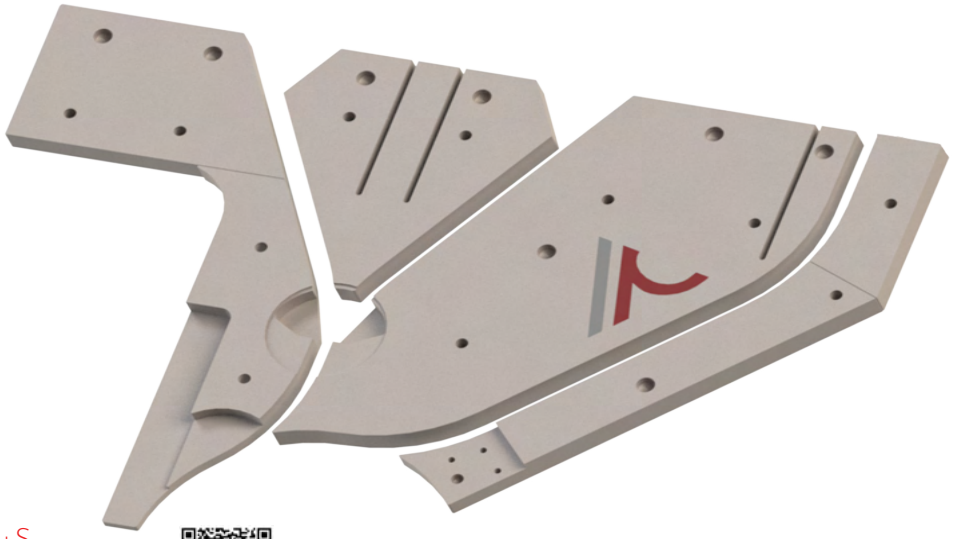
Format Parts - FORMATS



POM-C PLASTIC

Plastic format Part for Syntegon
Bosch Syringes Machines

Format Parts - FORMATS



PEEK PLASTIC

Peek Format Part for B+S Vials Machines

Format Parts - FORMATS



POM-C PLASTIC

Plastic Format Part for Dara Pharma Vials Machines

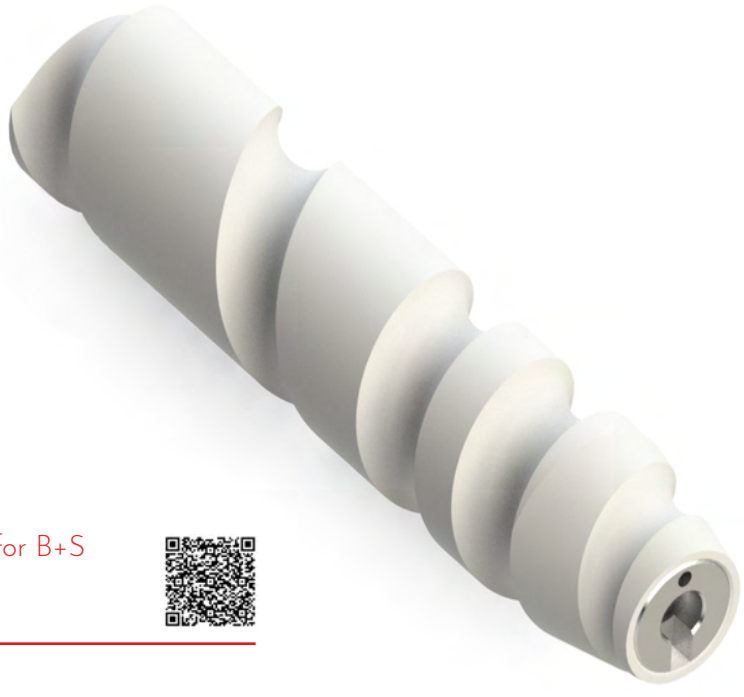
Format Parts - PLASTIC SCREWS



POM-C PLASTIC

Plastic Screw Conveyor for Groninger Vials Filling Machines

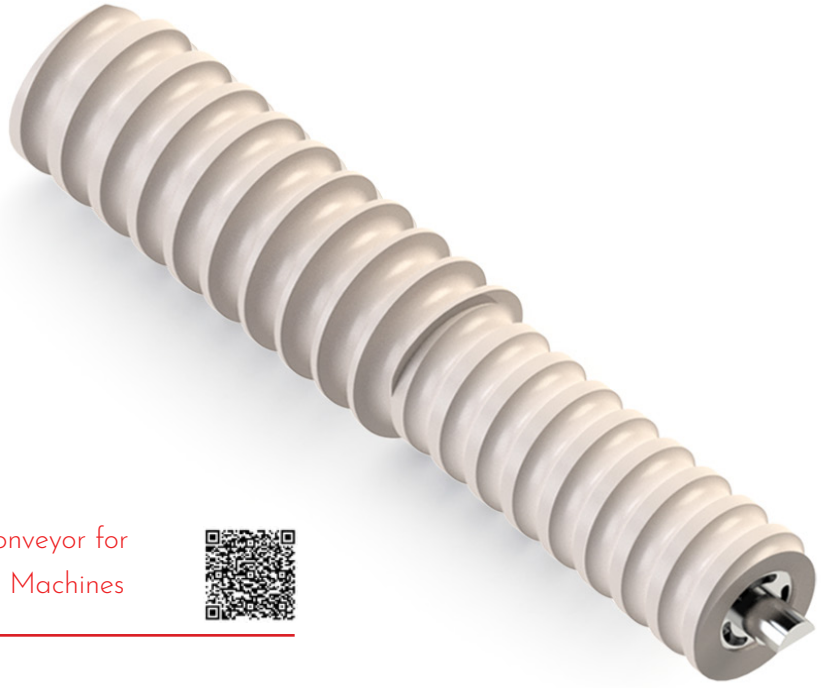
Format Parts - PLASTIC SCREWS



POM-C PLASTIC

Plastic Screw Conveyor for B+S Vials Filling Machines

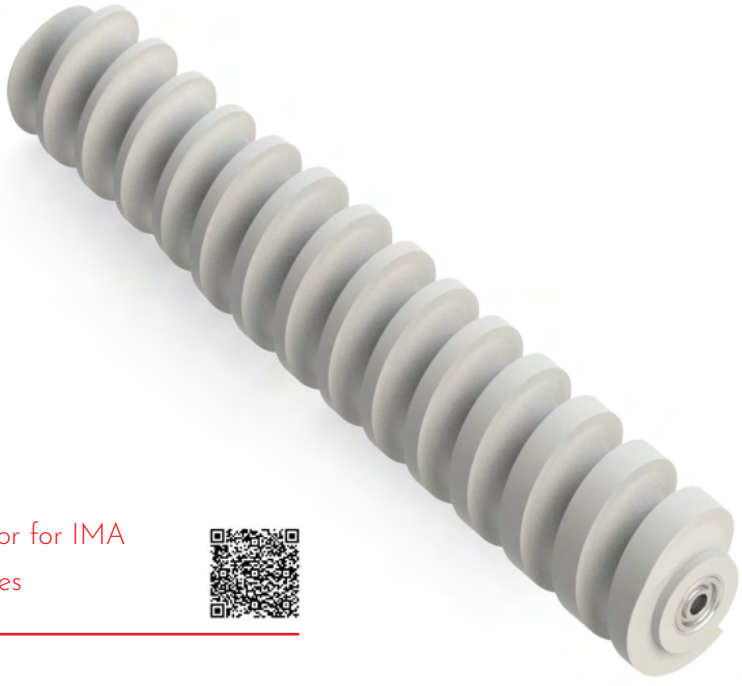
Format Parts - PLASTIC SCREWS



PEEK PLASTIC

Peek Plastic Screw Conveyor for Syntegon Bosch Vials Machines

Format Parts - PLASTIC SCREWS



POM-C PLASTIC

Plastic Screw Conveyor for IMA Sterile Filling Machines

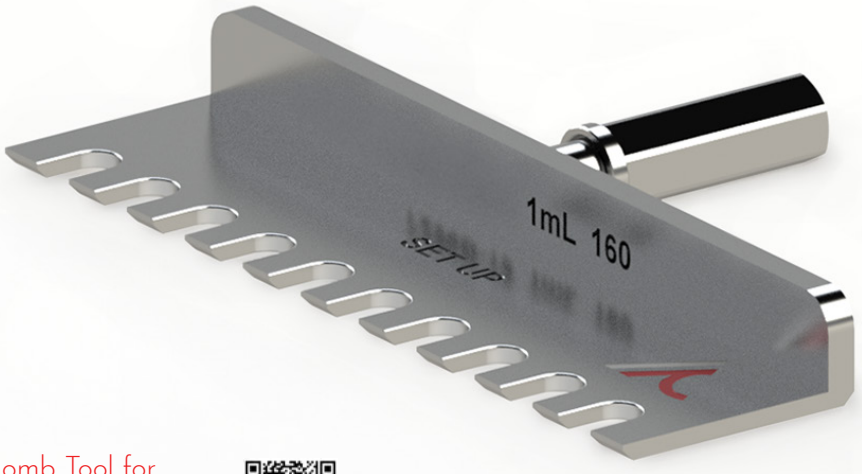
Spare Parts - ACCESSORIES



SS316L

Filling Needles Holder for Syntegon Bosch Pharmaceutical Machines

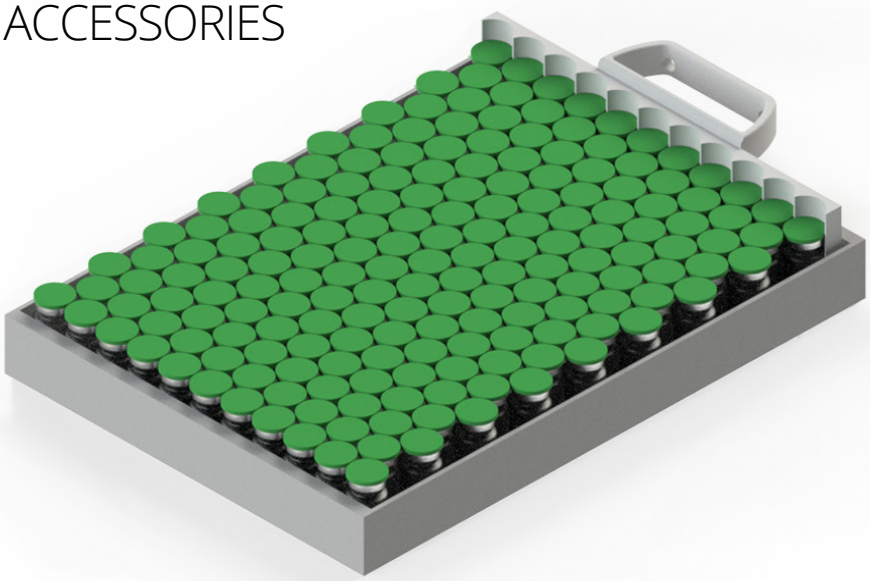
Spare Parts - ACCESSORIES



SS316L

Pharmaceutical Comb Tool for Vials Setup

Spare Parts - ACCESSORIES



POM-C PLASTIC

Alignement Tool for Pharmaceutical Vials Machines

Spare Parts - ACCESSORIES



PEEK PLASTIC

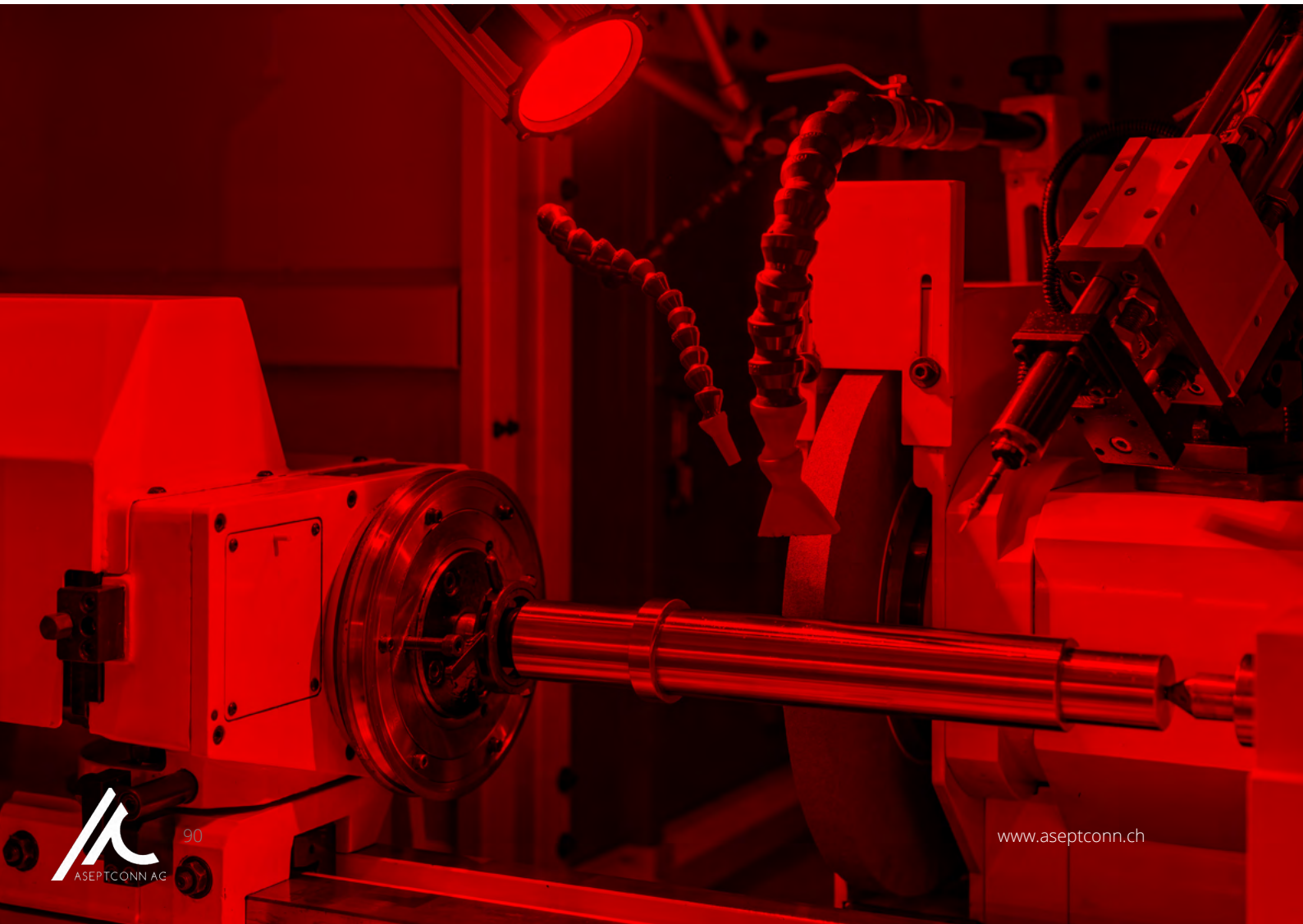
Autoclavable Peek Holder for Filling Needles Sterilization

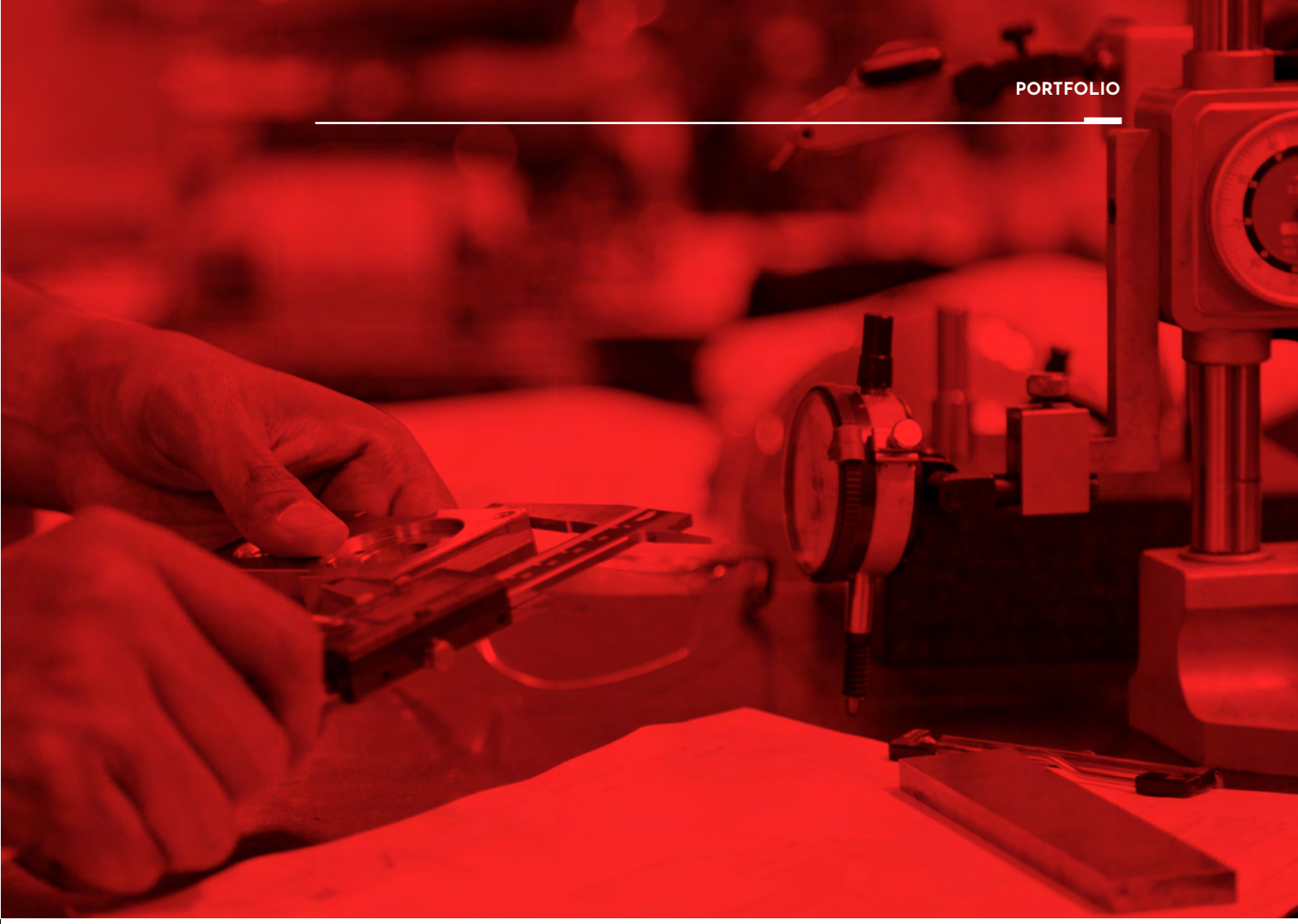
info@aseptconn.ch

REPARATION SERVICES

MANUFACTURING EXCELLENCE

Aseptconn can provide a quick and efficient service of reparation for dosing pumps, needles, and spare parts with a cost saving up to 50% and faster lead times. Dosing pumps and needles can be repaired like new keeping the same dimensions, tolerances and dosing/filling precisions. Needles are repaired with a replacement of new cannulas and re-welded homogeneously without death zones. Stainless Steel Dosing pumps are repaired after our preliminary inspection, removing the old hard chrome and re-lapping in pair pistons and cylinder keeping the same dimensions and tollerances of new pumps. The surfaces are re-polished and passivated for maximal safety during the re-use. The refurbished spare parts are fully compliant with GMP standards, and specific reports of surface roughness are provided in every order.





ROUGHNESS TEST REPORTS

MANUFACTURING EXCELLENCE

Surface roughness is a measure of texture of a surface, It is necessary for customers to know the finish quality of our parts to ensure that the surface roughness average (Ra) is fit for efficient cleaning. Aseptconn caries out these test to ensure high surface quality and provides reports of roughness to customers. These test reports are very important to consider especially when the process is used for the fabrication of functional parts: the roughness, in fact, deeply influences the functionality of a component in terms of friction, product sedimentation , cleanability and sterilization. Aseptconn ensures complete test reports of surface roughness average (Ra) of both surfaces inner and outer, for dosing pumps and stopper guide tubes we guarantee the lowest surface roughness of 0.1 µm in average. We can provide a roughness test report for needles, tanks, manifolds and spare parts on request with a surface roughness of 0.5 µm in average, for special requirements we can ensure the lowest surface roughness.

ORDER PROCESS

CONNECT WITH ASEPTCONN

Expert Support & Service

A quick and efficient response on customers request with our high expertise of fill-finish components we can find customized solutions to our customers requirements and needs. After our advise we can provide the best offer. We support our customers and provide them with the service they need.

Manufacturing processes

Further follow up with an order confirmation and the manufacturing of high-quality components in line with respect for good manufacturing processes: GMP, this ensures long-lasting durability and sterility. They are laser marked with permanent indentification and complete traceability of lot number.

Fast and Reliable Services

Our responses and deliveries are fast and reliable. Complete documentations are provided that includes: complete 3.1 certification, declaration of conformity of materials, decontamination and passivation. After sales services are highly valued. We maintain friendly contact with our customers.



YOUR CONTACTS

CONNECT WITH ASEPTCONN

Your one Stop Shop for the Pharmaceutical and Biopharmaceutical Industries

Scan the QR Code or visit our Homepage www.aseptconn.ch

In case of any questions, we will be happy to advise you. We also like to present our products to you in your company.

Please get in contact with us!

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ASEPTCONN AG
competence in fluid handling
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