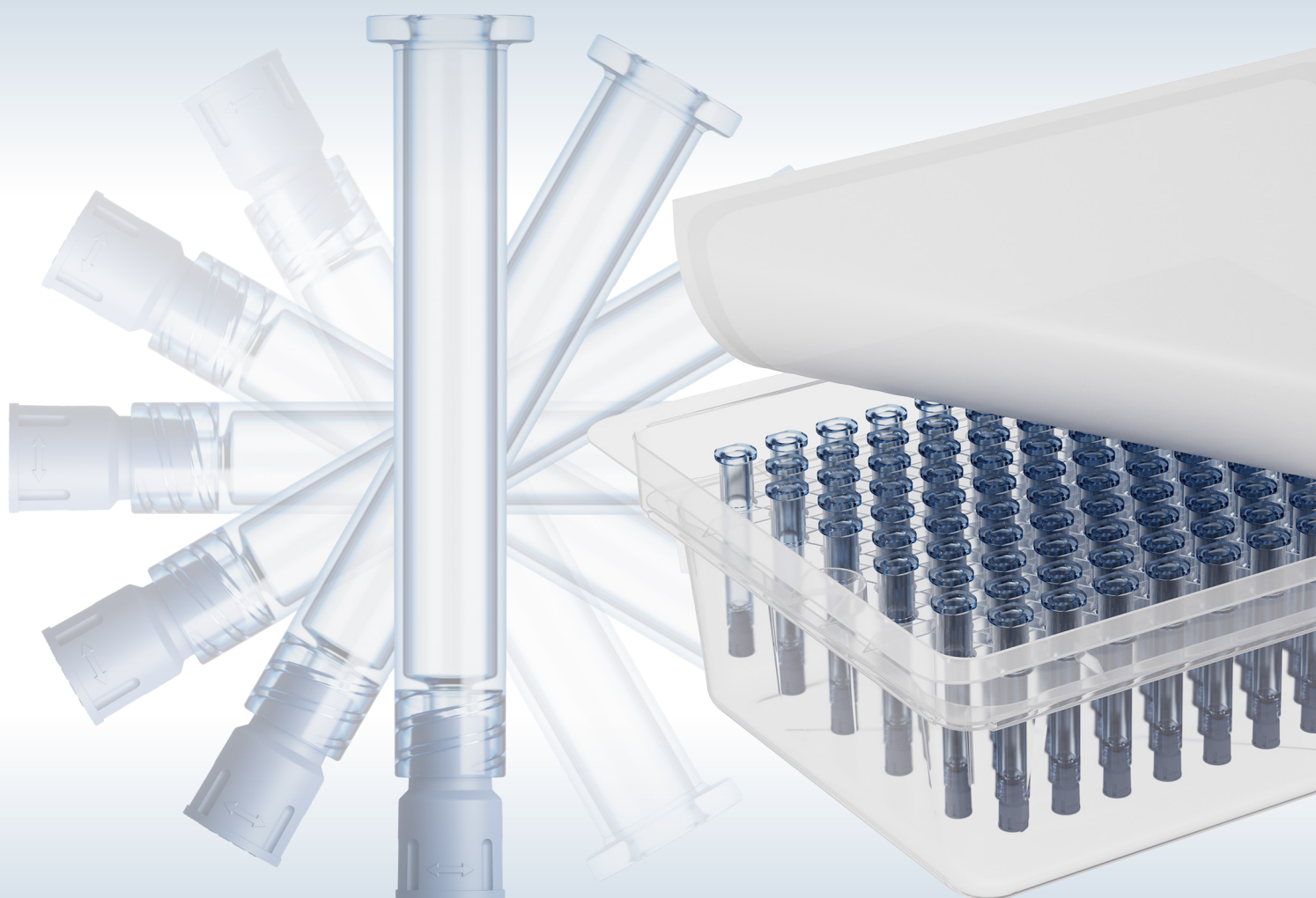


**WIM**  
Ject®

Ready for Filling.



IN PURE **FORM** FOR MEDICAL,  
DIAGNOSTICS & **PHARMA**

english





WIM Ject® – COC Syringes

# READY FOR FILLING

Syringe System

# WIM Ject®

Ready for Filling.

## WIM Ject® – SAFETY AND RELIABLE

WIM Ject®, is a high quality sterile COC prefillable syringe (PFS), ready for filling. The design of the syringe system is based on the ISO 11040-6 standard and offers also a maximum level of sustainability and a stable short supply chain, through Wirthwein Medical as an one-hand solution provider for syringe systems.

WIM Ject® is designed as a 1.0 ml long Luer-Lock COC (Cyclo-Olefin-Copolymer) PFS turnkey solution and can be a portfolio extension to existing COC PFS.

The syringe comes with either a soft TipCap or a rigid TipCap and can be processed on existing fill / finish machines. The Tub and Nest packaging configuration is based on the ISO 11040-7 standard. In addition an individual data matrix code can be applied to the syringes for traceability.



WIM Ject® – Benefits

WIM Ject® has a glass-like transparency but in comparison to glass a higher break-resistance and reduced weight. The integrated Luer Lock guarantees a safe connection to standard hypodermic needle and adapter systems.

Due to a precise crosslinked siliconization process the gliding forces are user-friendly and consistent. WIM Ject® is produced in ISO clean room environments and under certified quality conditions.

WIM Ject® – Highest quality for your application

WIM Ject® is a sterile ready for filling syringe system. It can be sterilized by different sterilization methods like Gamma / E-Beam, X-Ray and is autoclavable up to 134°C.

WIM Ject® can be used for a broad range of applications like:

- Hyaluronic acids
- Diluents
- Emergency drugs
- Infusion



Customization and Accessories

WIM Ject® Syringe, can be used with most common backstops and 1.0 ml long plungers. In case some accessories customization is required in design or color, Wirthwein Medical has in-house capabilities to complete your portfolio.



SUSTAINABILITY

- Short and direct supply chain
- Efficient packaging
- Resource saving



SAFE DESIGN

- Based on DIN ISO 11040
- Compatible with current filling lines
- Sterile, ready for filling



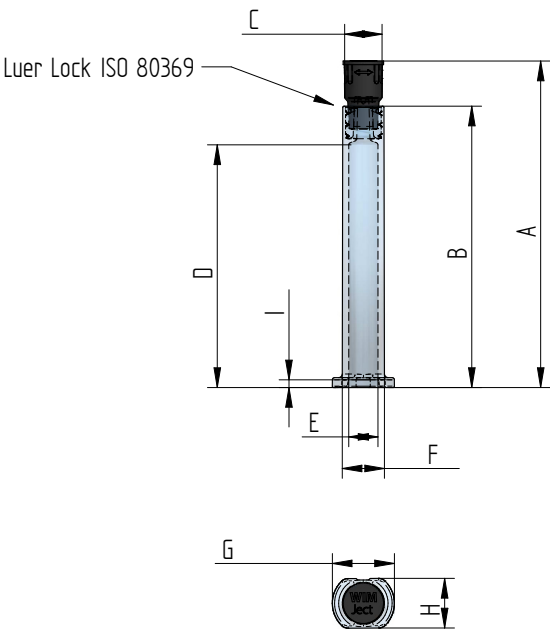
CERTIFICATED QUALITY

- Certification for DIN EN ISO 15378 and DIN EN ISO 13485
- Controlled production ISO 14644 class 7 (GMP class C)

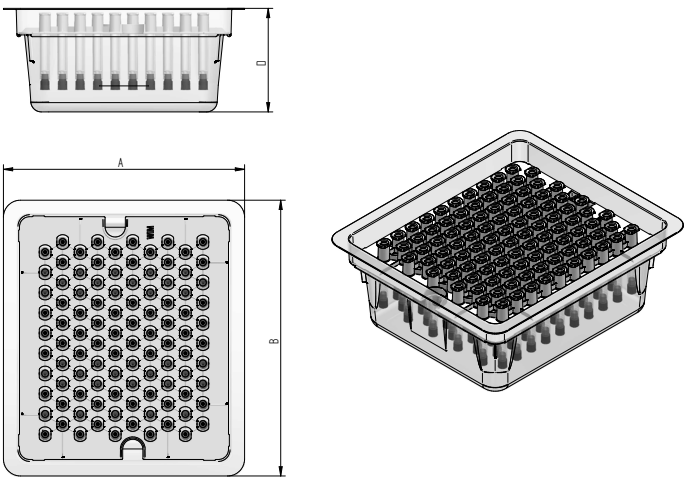


WIM JECT® READY FOR FILLING.


WIM Ject®



Tub



Technical specifications

		A	B	C	D	E	F	G	H	I	
		Total Lenght (mm)	COC Barrel (mm)	TIPCap Ø (mm)	COC Inside Barrel (mm)	Inside Ø (mm)	Outside Ø (mm)	Flange Ø (mm)	Flange Ø (mm)	Flange Thickness (mm)	Pieces per tub
WIM Ject®	1.0 ml Ig (Luer Lock)	72.40	62.40	9.10	54.18	6.50	9.15	13.80	11.00	2.20	100
Tub	n.a.	227.20	259.75	n.a.	97.50	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

- Syringe barrel material: COC TOPAS\*\* 6015 S (transparent, integrated Luer Lock ISO 80369-7, ISO 11040-6 and autoclaving at 134° C)
- Standard rubber tip cap material: FM 257/2 from Datwyler\*
- Fully integrated clean room production GMP class C
- Siliconization of syringe barrel with reactive crosslinked silicone mixture
- 100% camera inspection for cosmetic defects
- Tub & Nest packaging, Tyvek®\* inlay, Tyvek®\* seal, polyethylene double bag, boxes, pallets (ISO 11040-7)
- Gamma or X-Ray sterilized ready for filling

\*TOPAS® is a registered trademark of TOPAS Advanced Polymers GmbH (www.topas.com)

\*Tyvek® is a registered trademark of E. I. du Pont de Nemours and Company

\*Datwyler: www.datwyler.com



# YOUR PARTNER FOR SUSTAINABLE QUALITY

## All in one by Wirthwein Medical

Founded in 1946, Wirthwein Medical GmbH & Co. KG is today a high-performance system supplier in plastics processing and a development partner for plastic-based and customer-specific product solutions. Focusing on quality and innovation, Wirthwein Medical has also internationally made its mark in the diagnostics, medical technology, pharmaceuticals industries – with high-precision, components, packaging and systems. In addition, proprietary products in the pharmaceutical sector complement the product portfolio. Our core competences include development, design, mold making, injection molding and extrusion blow molding and a wide range of assembly, finishing and logistics services. Most of production is carried through in class 7 clean rooms pursuant to ISO 14644-1.

Highest, standardized quality and hygiene standards are assured using gapless, certified quality management according to DIN EN ISO 13485, 9001, 15378, 14001 and ISO 50001.

Presently, more than 330 employees work at three sites in Mühlthal and Ober-Ramstadt – on a total area of around 55,000 square meters.

## A Wirthwein-Group company

Since 2005, Wirthwein Medical GmbH & Co. KG has been a subsidiary of the internationally active, family-run Wirthwein Group. With 22 companies in Europe, Asia and the USA the Wirthwein-Group is always in close proximity to its customers. More than 3,500 employees work in the business areas of automotive, railway, electrical industry, home appliances, medical technology and interior design.

## Since 1946 your reliable system supplier

- Uncompromising quality
- Globally active family enterprise
- Additive manufacturing and prototype development
- Production capacities for several million parts every year
- Clean room production (ISO class 7): several clean rooms
- Certifications: ISO 15378, 13485, 9001, 10001, 14001, 50001
- In-house tool construction & maintenance:  
flexible, fast, high availability
- Injection molding, blow molding, assembly, packaging, and  
sterilization: all-in-one by Wirthwein Medical





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