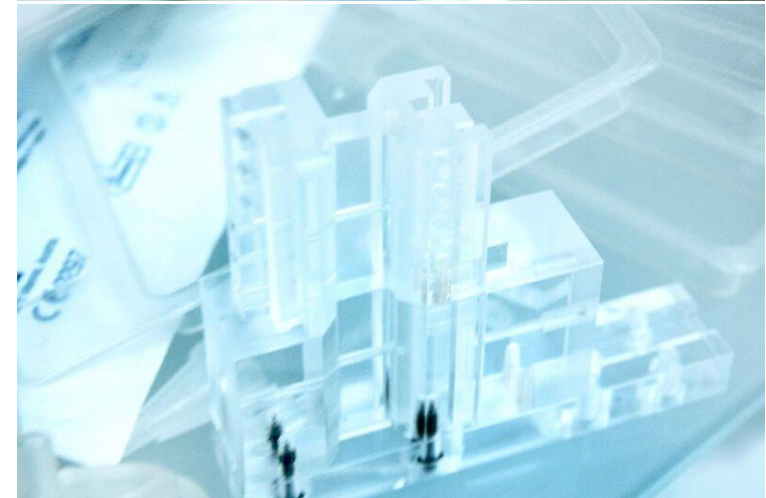


Profile

Goller Systems

**Solution partner for demanding
medical technology systems and
plastic applications**



Goller Systems

Profile

Full service supplier for the pharmaceutical, diagnostics and medical industries

CMO with one of the biggest clean rooms in Austria

Provides innovative solutions for your product

Privately owned company

Located in Klosterneuburg (Vienna region), Austria

Currently ~ 50 employees



Goller Systems

Experience – Quality – Performance

40 years of experience in plastics for medical applications

40 years of high level production in clean rooms



Certifications

- ISO 9001 (General)
- ISO 13485 (Medical Devices)
- ISO 15378 (Primary Packaging)
- Human Tissue Establishment acc. § 26 (1) Austrian Tissue Safety Act



Effective Quality Management

- Supplier Performance Rating near 100%
- 40 years of constant top performance

Goller Systems

Portfolio

- **R&D Plastics Engineering**
- **Prototyping & Industrialization**
 - 3D Printing

Product- & Process-Development

- **Production**
 - Injection Molding
 - Micro-Molding
 - Printing
 - Assembly
 - Filling
 - Packaging

**Clean room environment
ISO-7 (GMP C) / ISO-6 (GMP B)**

- **Sterilization (external partners)**
- **Warehousing & Logistics services**



Why Goller Systems

**Solid Austrian enterprise:
40 years in the healthcare industry**

**Quality assurance & deliveries:
highest customer satisfaction**

**We create innovative & smart solutions
for products → several patents!**

**Short time to market → quick decisions,
fast & smart Prototyping**

**We have a highly qualified,
experienced and committed team**

**Strong in delivering results
– we get things done!**



Goller Systems

Working with customers

- **Successful partnership with key customers for over 40 years**

- **Total Cost of Ownership view for our customers:**

- part / unit cost (lean structure / low overhead)
- invest for tools & equipment (high quality / low follow-up cost)
- fast time to market, to avoid losing market share / -opportunities

- **Goller works with diverse types of customers:**

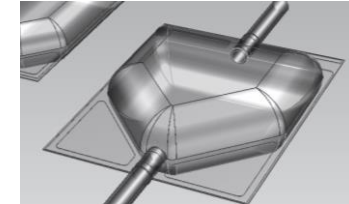
- Start-ups
- Small & medium size companies
- Global players (Europe / North America)

Goller Expertise

Medical and pharmaceutical sectors

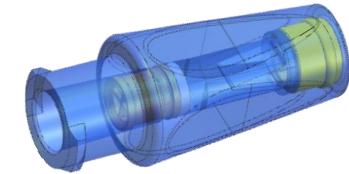
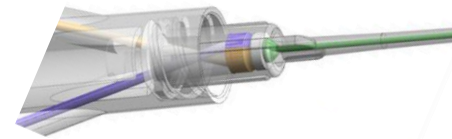
Primary Packaging

- Drug Delivery systems
- Bag Systems with connectors



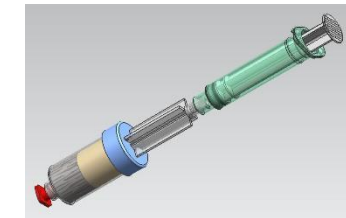
Application Systems

- Application Needles
- Spray Head Systems



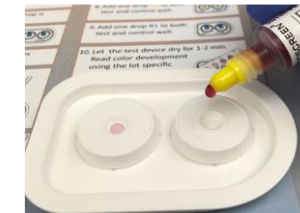
Transfer & Mixing Systems

- Transfer Spike – Needle free
- Blood Collection System

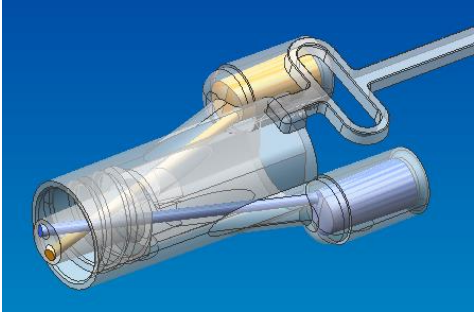


Diagnostics Test Cartridges

- Allergy-Test (300 Allergenes)
- Flow-Test (Screening)

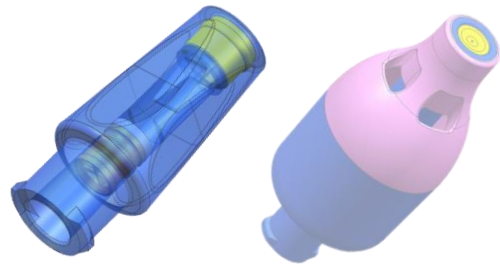


Product Examples: Innovative Development of System Solutions



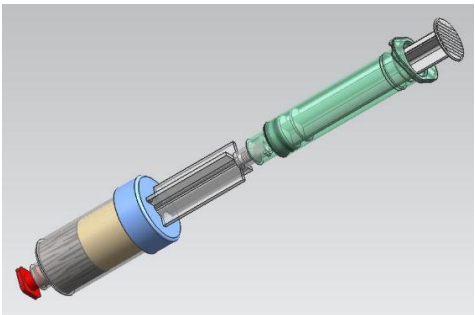
PRIMARY PACKAGING – DRUG DELIVERY

- Double Chamber Syringe, as primary container for fluids of different grades of viscosity
- Reliable mixing of two components without clogging



APPLICATION SYSTEMS – SPRAY HEAD

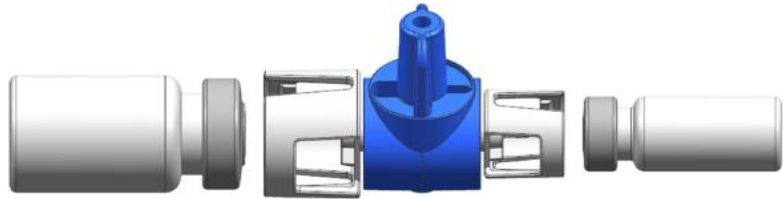
- Device can be attached to a syringe via luer lock
- Spraying by manually pushing the plunger of the syringe
- Fine homogenous spray mist in any direction



TRANSFER SYSTEMS – BLOOD COLLECTION SYSTEM

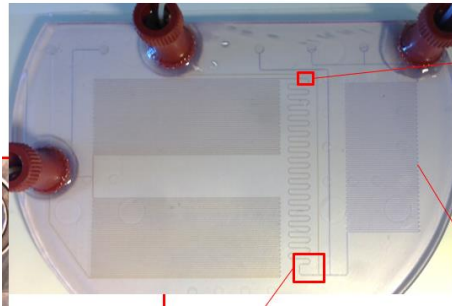
- Blood is harvested into the specially designed syringe
- Centrifugation of the blood (syringe fits into standard vial)
- Removal of plasma by transferring directly to a single use syringe

Research, Development, Innovation



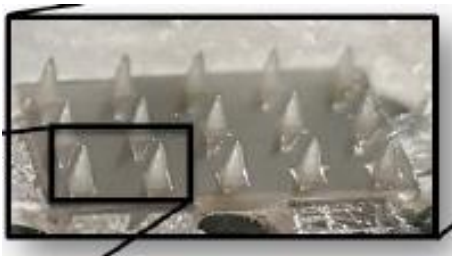
TRANSFER SYSTEMS – RECONSTITUTION

- New concept, patented solution!
- Easy handling, increased safety
- Minimized risk of wasting expensive products



MICROFLUIDIC DEVICES & NANOSTRUCTURES

- Development in a joint research project
- Successful realization by Goller (injection molding)



MICRONEEDLE SYSTEMS (ONGOING PROJECT)

- Development in a joint research project

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