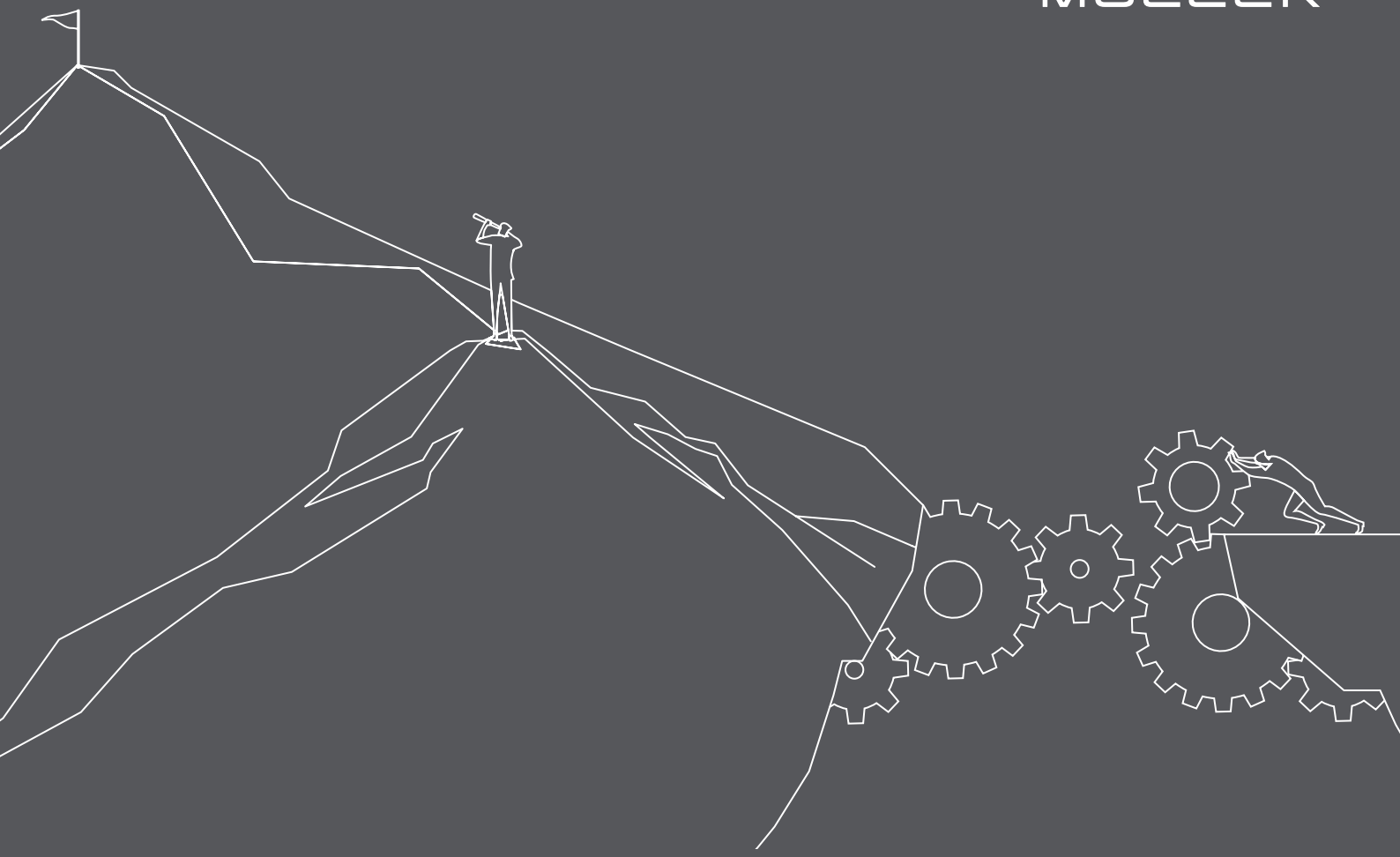
MÖLLER



OEM Solutions

Your Technology Partner for Smart Solutions

Amazing what's possible.

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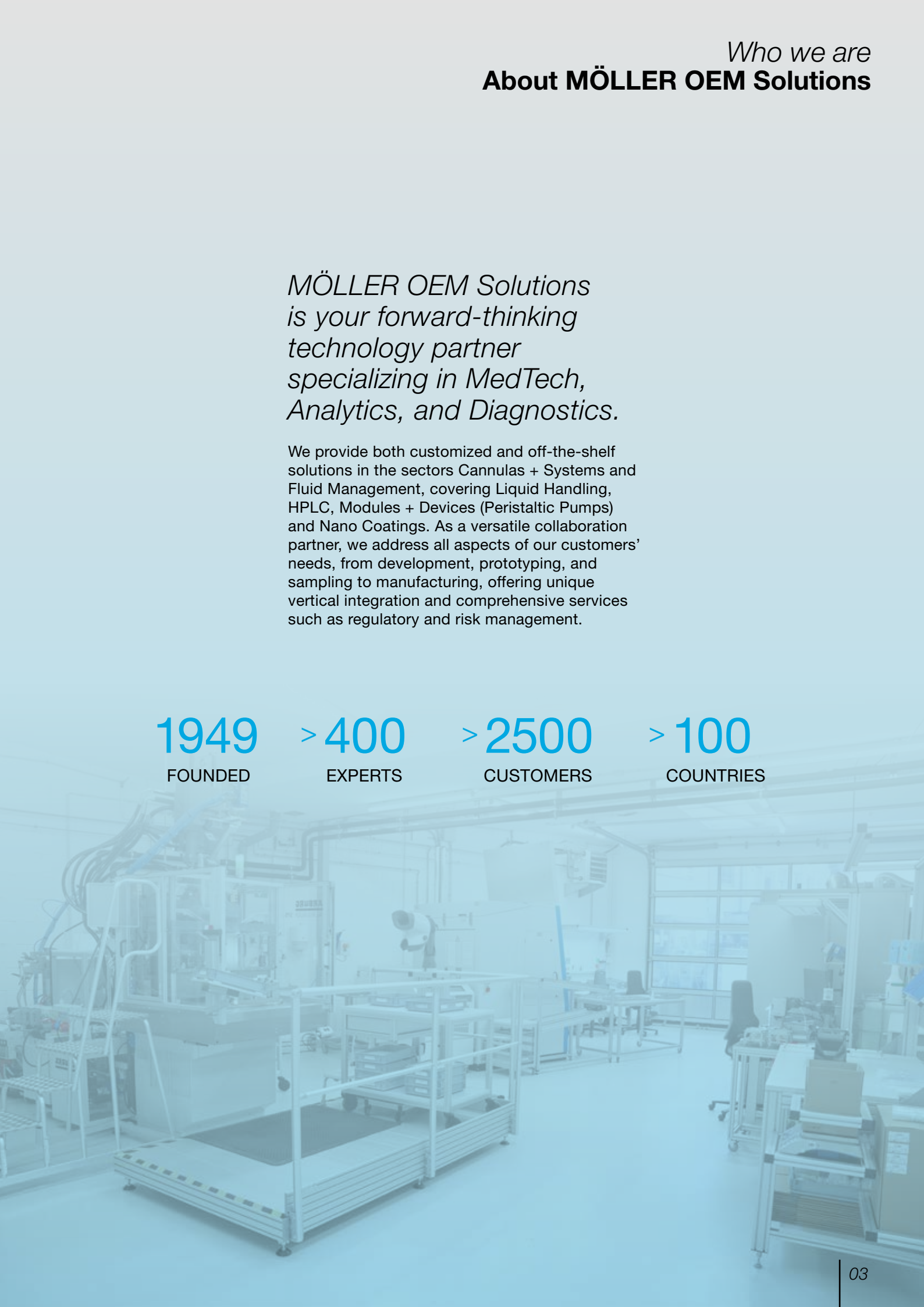
MÖLLER OEM Solutions is your forward-thinking technology partner specializing in MedTech, Analytics, and Diagnostics.

We provide both customized and off-the-shelf solutions in the sectors Cannulas + Systems and Fluid Management, covering Liquid Handling, HPLC, Modules + Devices (Peristaltic Pumps) and Nano Coatings. As a versatile collaboration partner, we address all aspects of our customers' needs, from development, prototyping, and sampling to manufacturing, offering unique vertical integration and comprehensive services such as regulatory and risk management.

1949	> 400	> 2500	> 100
FOUNDED	EXPERTS	CUSTOMERS	COUNTRIES



Who we are
MÖLLER at a glance

What sets MÖLLER OEM Solutions apart are our unique offerings:

over 70 years of experience focusing on technology-driven development and manufacturing, a portfolio of proprietary patents, and a team of more than 400 experts across 24 disciplines—all operating from a single ‘Made in Germany’ location.

2024
75 Years Anniversary

2022
Siemens Supplier Quality Award

2008
Product launch of LiquoGuard for automated drainage

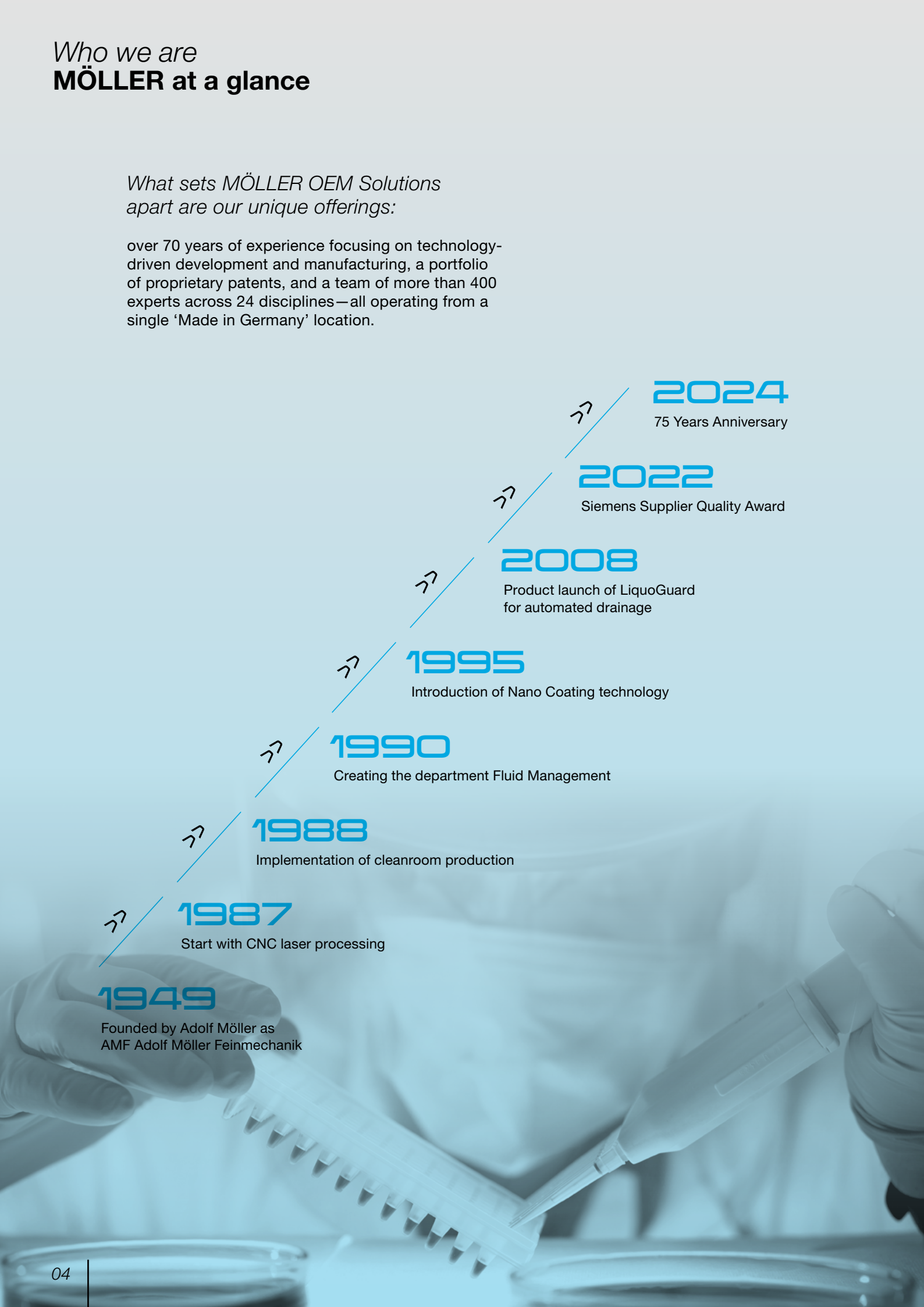
1995
Introduction of Nano Coating technology

1990
Creating the department Fluid Management

1988
Implementation of cleanroom production

1987
Start with CNC laser processing

1949
Founded by Adolf Möller as AMF Adolf Möller Feinmechanik



More than 70 years of expertise

We cater to a diverse clientele ranging from multinational corporations with exacting standards to small, burgeoning firms seeking flexible solutions.

Our customer base consists of leading global companies that demand the highest standards of complexity, quality, compliance, and reliability. As a flexible solution provider, we also extend our services to small, emerging companies in the growth stage.

1800+ Products (OEM + Brand)

> 100 Countries

> 2500 Customers

50 Mio. € Annual Turnover

FMEA validation

75 Years Anniversary in 2024

> 400 experts spanning 24 disciplines

High quality standards (CE, MDR, etc.)

Among our clients - collaborating with leaders

B|BRAUN · Dentsply Sirona · Hitachi High-Tech · OLYMPUS · SARTORIUS · stratec biomedical

What we do
Our competencies

Benefit from a comprehensive suite of services sourced from a single source:

from conceptualization, development, and manufacturing to final product realization, and regulatory services.

We possess the expertise and experience necessary to assist our customers in bringing their product visions to life.Our capabilities extend from developing prototypes to managing full-scale series production, with the flexibility to initiate processes at the mass-production stage directly.

From development and regulatory approval
to production and service.

From clean room manufacturing
to nano coatings.

From MedTech
to chemical analysis.

We enable our customers
to be successful today
and in the future.

Consulting
- Deep knowhow in industries & disciplines
- Design to cost analysis
- Innovation management

Manufacturing
- Single, small series & mass production, also niche & special products
- Clean rooms
- Mechanical processing
- Assembly

Development
- Mechanics, Hardware & Software
- Verification & Testing
- BioLab

Prototyping & sampling
- Sample & batch production
- Design studies
- Rapid Prototyping

MÖLLER

Your single source provider

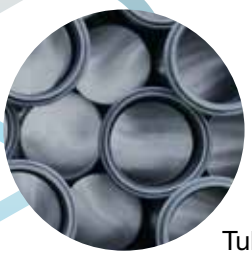
Regulatory
- Quality Managment
- Further documentation needs, e.g. foreign registrations & development tests
- Risk management

Services
- Unsterile bulkware, sterile finished goods, if required as legal manufacturer
- Technical support: based in Germany and USA
- After Sales Support

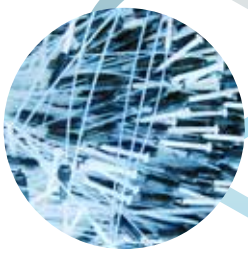
How we do it

Our production depth is unique

Machining:
Turning, Milling, Grinding,
Gear Cutting, Cutting



Tube Tapering



Injection Molding

Laser

Surface Finishing:
Electro Polishing, Paint Shop,
Production, Laboratory, Sf Tip

Manual & Automated
Assembly

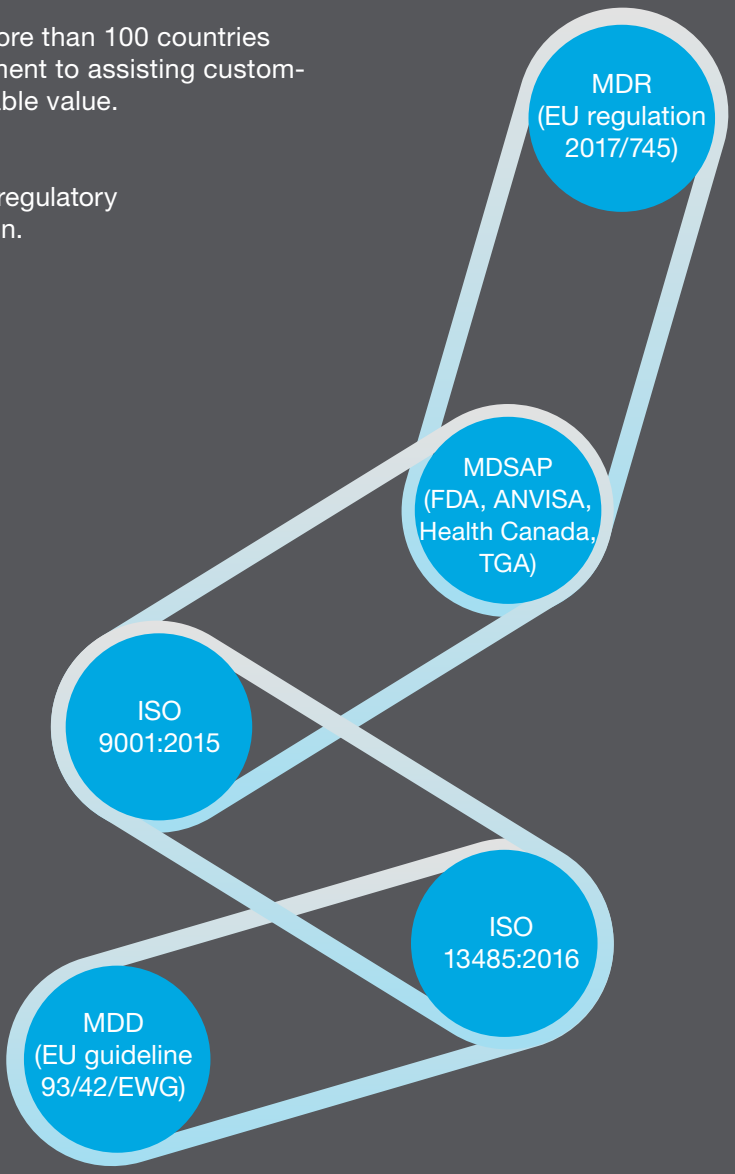
Clean Room Assembly

Laboratory & Analytical
Capability

Importantly, we uphold strict adherence to the requisite quality standards and ensure the confidential handling of our clients' intellectual property.

Our global presence in more than 100 countries underscores our commitment to assisting customers in generating sustainable value.

Trust in every standard:
Quality management and regulatory compliance you can rely on.



We are experienced with:

- Active and non-active medical devices
- Products of risk class I to IIb
- Sterile and non-sterile medical products
- Disposable and reusable products
- Stemcell processing
- Software Developement
- IoMT (Internet of Medical Things)

Benfits at a glance

At a glance, we redefine excellence in OEM solutions by spearheading involvement in the earliest stages of development

Our commitment is to unearth the most high-performing and cost-effective solutions for our customers. This approach sets us apart, ensuring your project's success right from the start.

Our German-made, individualized and standard solutions boast high manufacturing depth, uncompromising quality, and versatility in production - whether for single or large series.

With our cost reduction program and single-source delivery, we ensure excellence, even for complex components. We are your partner for superior, tailored OEM Solutions, ensuring your success from the outset.

Made in Germany

> 400 experts spanning 24 disciplines

Individual and standard solutions

High manufacturing depth

High quality standards (CE, MDR)

Single, small and large series, incl. niche, specialized products

Cost reduction programs by automation

Single source delivery, even for complex components

Empowering success through strategic partnerships

We aspire to be the preferred partner for our OEM clients, innovators, and emerging businesses in our sectors.

Partnership, to us, means a deep understanding of our clients' needs and challenges. Our goal is to empower their success in various dimensions. While success primarily entails top-tier patient care and effective project execution, it also encompasses economic efficiency, pioneering scientific outcomes, and excelling in competitive arenas.

Our ongoing pursuit of innovative solutions for our clients is embodied in our seven core values:

1.
We are inventive
because we love smart solutions

2.
We are courageous
because we want to break new ground

3.
We are agile
because we embrace change

4.
We are curious
because we love to question the status quo

5.
We are approachable
because we want to create the future with our customers

6.
We are result-driven
because we alwas think about our value proposition

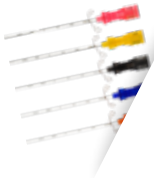
7.
We are reliable
because customer satisfaction is our future success

Liquid Handling Systems

Precise, individual and cost-effective design solutions

Fluid Management is a key process in virtually every life science laboratory and many other areas.

We are pioneers in Liquid Handling and a manufacturer of high-quality analytical needles and connection systems for several decades. From a single probe to a complex probe system with integrated thermal, optical or detection systems. Also, complete polymer tube assemblies, for example in an IVD-System.



Adapters/Hubs

Fittings

Dead volume free connections

Surface treatments

Tube assemblies

3D-bending parts

Sample/reagent probes

Probe assemblies & components

Heated probes

Cap piercing probes

Areas of Application:

- *Pharmaceutical Industry*
- *Invitro Diagnostics*
- *Laboratory Demands*
- *Point of Care*

Suitable for pumping sensitive, highly viscous, aggressive liquids as well as liquids containing suspended particles or contaminated liquids.

Client:

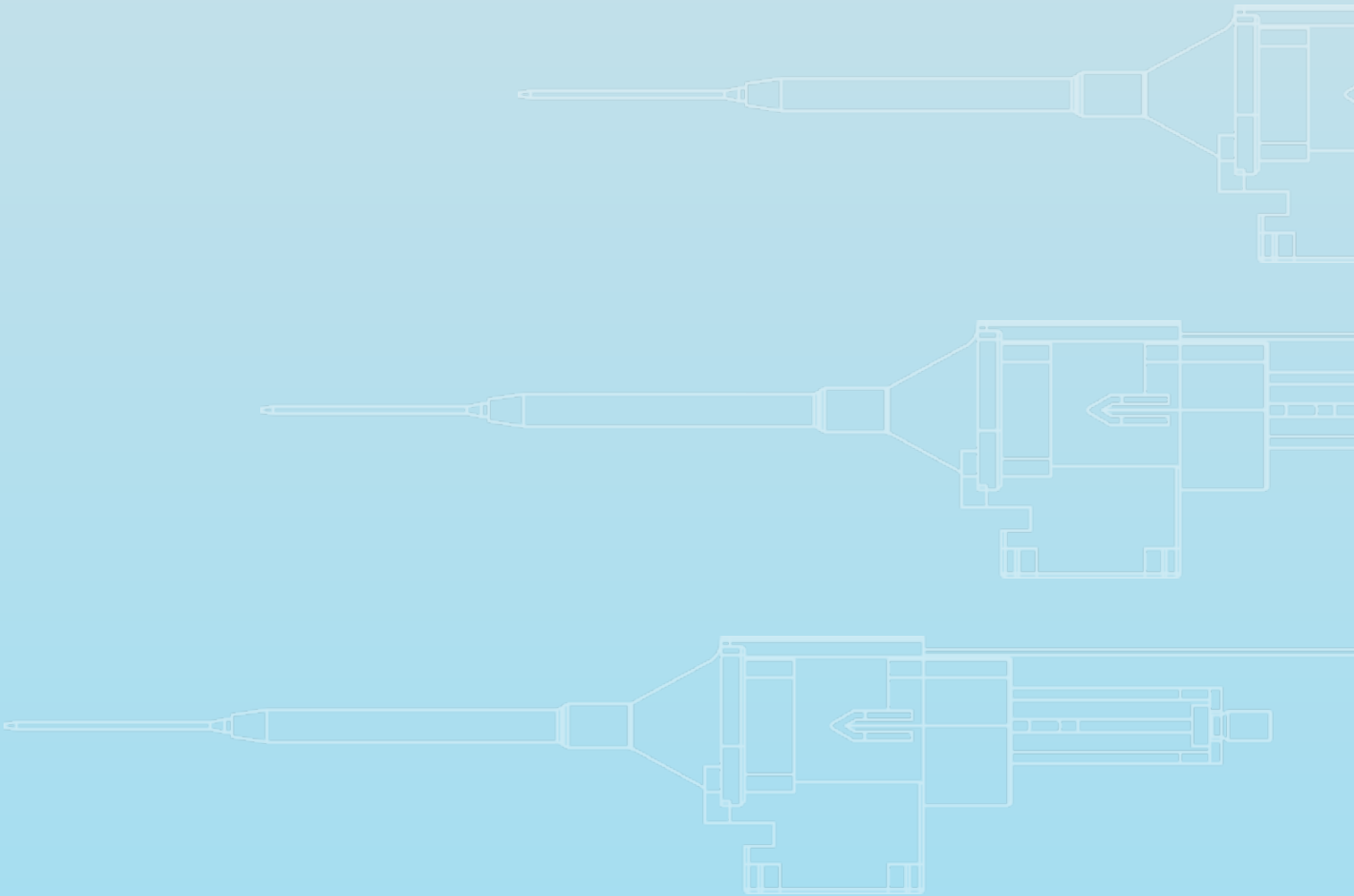
- *Global biotechnology and biomedical company*
- *Leading supplier of products for magnetic cell sorting and analysis*

01 Problem / 02 Solution / 03 Result

01 / Request
Customer needs multiple probes, connections of the probe must be defined, specified installation space, carry-over to be avoided.

02 / Concept
Development of the probe: onnection concept as well as other technological possibilities were discussed with the customer before defining a final concept. Sampling was carried out with different coatings in order to determine the best possible results for the series during verification by the customer.

03 / Product
Sampling with satisfactory desired result for customers. Increased orders for serial production.



Modules + Devices

Development according to your needs

We develop and produce Modules and Devices for the medical and laboratory environment.

Our range of services includes development and production of standard and customized devices as well as components - on customer request as CE-marked, finished product from a single source.

Standard Peristaltic Pumps

SPQ-072

Simple and easy to handle

design for applications in the range up to approx. 100 ml/min. Optional with 3 or 6 rollers

SPQ-72G

All-rounder pump

up to 200 ml/min, widely used in chemical, analytical, and medical sectors

SPQ-225

Versatile pump for medical applications

From minor individual adjustments to the development, manufacturing, and approval of components or entire medical devices: we provide assistance at every stage of the product life cycle.
Our support extends from the initial sketch to post-sales service.

Other Devices

Hubodometer

Mechanical, tamper-proof odometer for truck trailers, for mounting on axle hubs

Areas of Application:

- *Pharmacy*
- *Medical Technology*
- *Industry*
- *Laboratory*
- *Biotechnology*
- *Chemistry*
- *Analytics / Diagnostics*
- *Food and beverages*
- *Air conditioning/heating*
- *Water- / waste / water / environmanetal technology*

Suitable for pumping sensitive, highly viscous, aggressive liquids as well as liquids containing suspended particles or contaminated liquids.

Client:

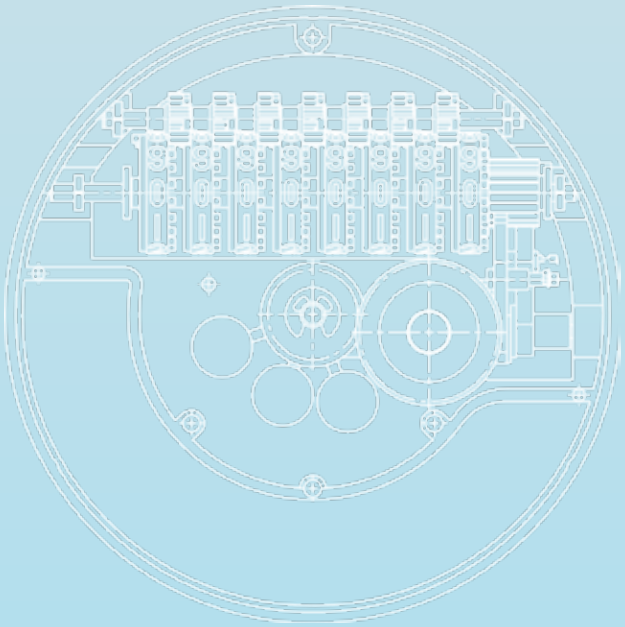
- *Various MedTech companies*

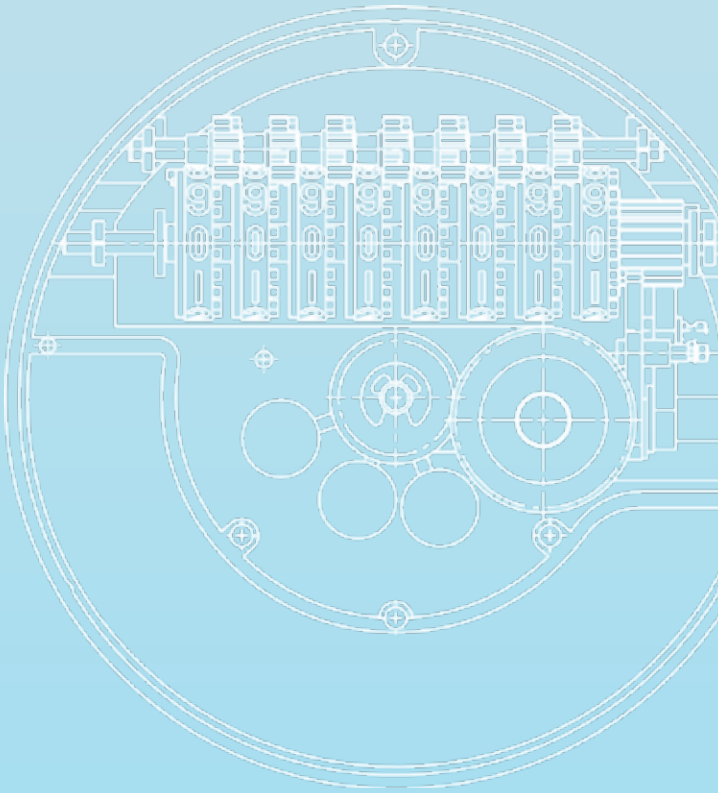
01 Problem / 02 Solution / 03 Result

01 / Request
Customer wants to develop a device which needs to pump blood.

02 / Concept
MÖLLER offers off the shelf solution with established blood pumps in different flow rates and pressure ranges and, on request, with customized controllers.

03 / Product
MÖLLER pumps are used in many different devices that can pump blood.

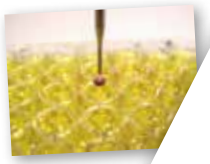




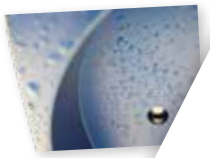
Nano Coatings
Coatings and surface treatments

Our approach for our customers is to offer standardized and customized products to perfectly fit the customers' needs and fast delivery times.

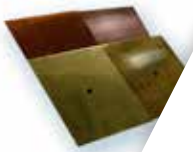
Standard Solutions



Nano Skin
Durable sol-gel coatings



Poly Skin
Functional and coloring polymer coatings



Taf Skin
Hydrophilic coatings with teflon, teflon-like additives

Hard Skin
Hard coatings for tools and pre-piercing needles

Individual Solutions

Layer Properties
Adaptions e.g. adhesion, surface tension, hydrophobic and hydrophilic, coloring, degree of gloss

Plastic Surfaces
Surface modification of plastic surfaces (also inside lumen)

Patents

Superfinish®
Achieves very smooth inner surfaces with Ra-values to 0.10 µm for tube geometries down to 0.3 mm x 200 mm

Areas of Application:

- *Life Science*
- *Medical Technology*
- *Biotechnology*
- *Analytics / Diagnostics*
- *Industrial Coatings*

Standardized and customized products for various areas of use.

Diagnostic & Analytical Industry | Preservation of Functionality

Client:

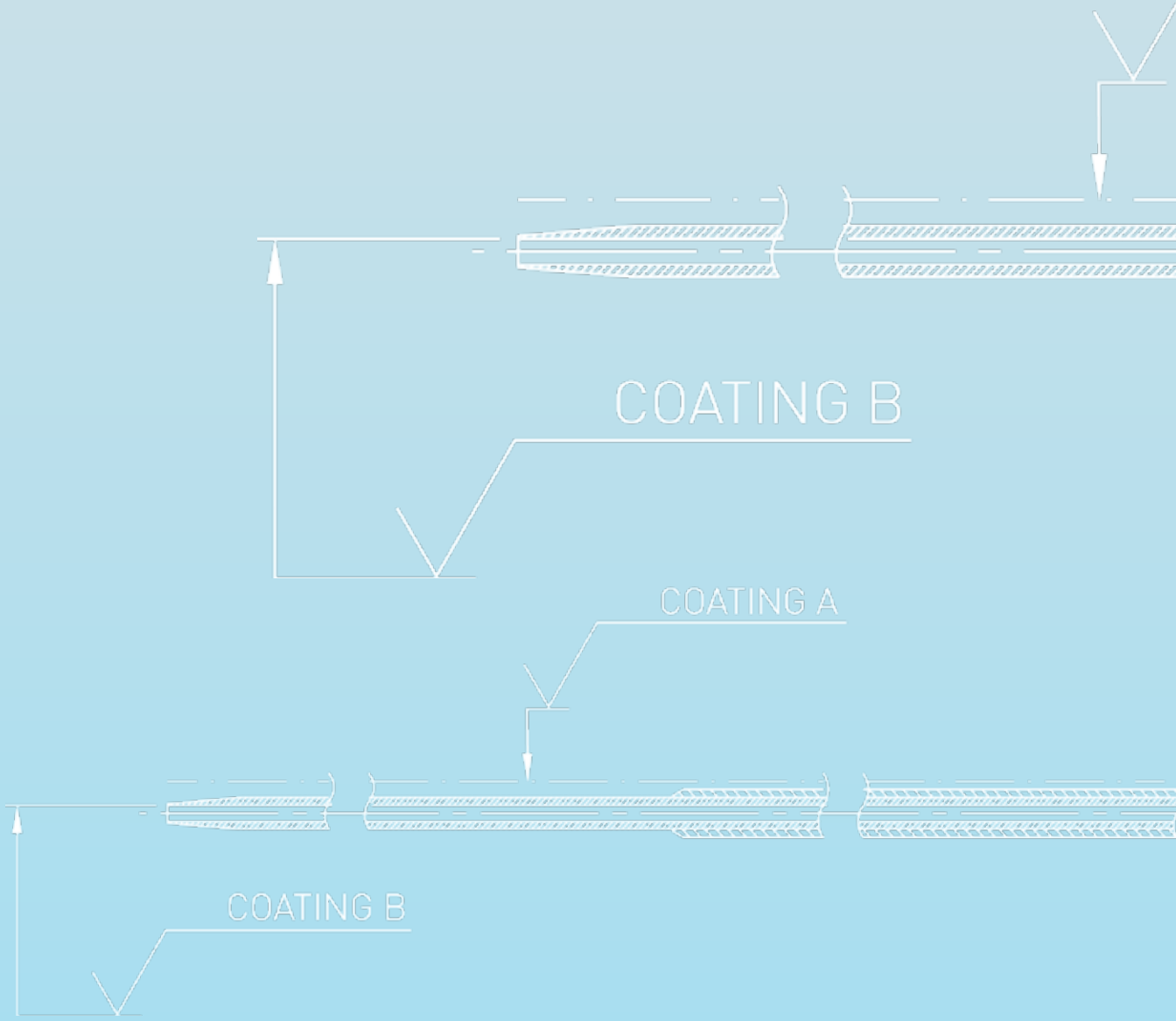
- *Global Pharmacy company with millions in turnover per year*

01 Problem / 02 Solution / 03 Result

01 / Request
Increased carryover values after increasing the transport speeds of the liquid samples.

02 / Concept
Development and adjustment of the surface tension of the inert plastic in the tube systems.

03 / Product
Reduced sample turnaround time by almost 30%.



HPLC Systems
From the first sample to validated series production

MÖLLER OEM Solutions offers innovative development of customized HPLC Systems.

We offer our customers market advantages using trendsetting handling solutions.

HPLC Systems

Custom Made Columns and Standard Columns
for versatile probe selection

Analytical-, Preparative- and SPE-Column Hardware
Classic standard solutions and innovative new designs

UHPLC-; HPLC-; and LC-System Components,
custom made, inert, precise, dead volume free

Capillaries, Probes and Fittings
for a fast and high-performance fluidic handling solution

A selection of our innovations influencing the HPLC market

Ubersphere C18
for qualitative and quantitative HPLC analysis

TorqFit-HPLC
to limit the tightening torque of the fittings

Uberinert
for inert chromatography applications

Areas of Application:

- *Pharmacy*
- *Food and beverages*
- *Chemistry*
- *Analytics / Diagnostics*

High Performance Liquid Chromatography for all relevant markets.

Client:

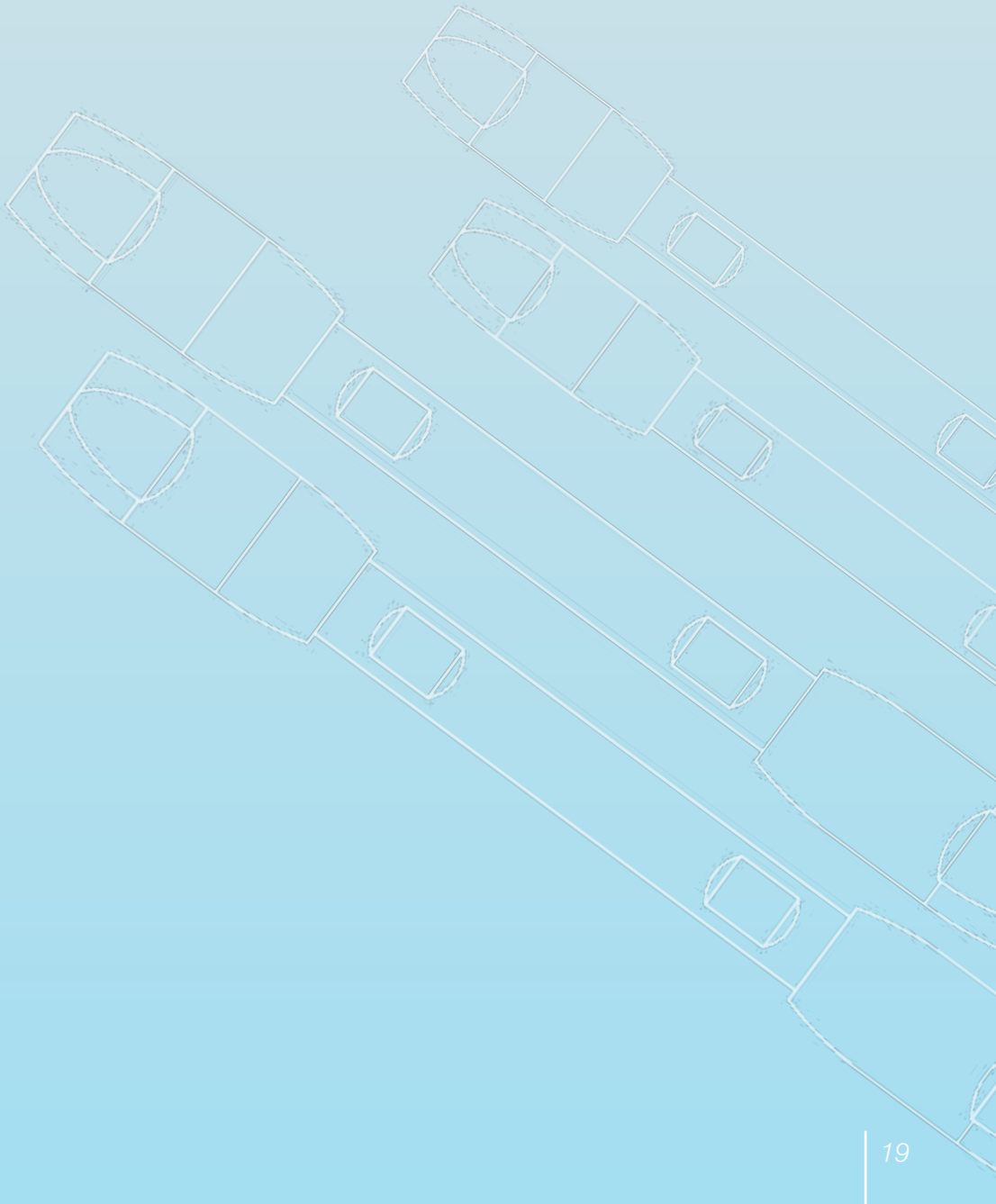
- *With billions in turnover per year*
- *Worldwide locations*
- *Agilent market leader for 25 years*

01 Problem / 02 Solution / 03 Result

01 / Request
Customer needs multiple probes, connections of the probe must be defined, specified installation space, carry-over to be avoided.

02 / Concept
Developing and providing patented, customized high-pressure capillaries that are inert HPLC-BIO-Capillary with dead volume free connections.

03 / Product
World renowned, superlative autosampler systems.



Special cannulas for medical applications

We offer all technical possibilities for the implementation of cannulas, needles, tubing sets and kits for medical applications.

All sorts of Cannulas including hubs and connectors
(plastic or metal)

Finishes Tube Sets
Customized liquid handling solutions, optionally including bespoke needles

Vertebroplasty Needle Kit
In various Gauge sizes and designs

Individual Automation
Creation of bespoke solutions for cost-oriented, low biological load assembly of medical devices in or outside of our cleanroom

Adapters / Hubs
Customer-driven connector solutions or standard Luer hubs in various materials

Needle Kits
For inserting bone cement, trocars and other accessories

Manufacturing Methods

Grinding / E-polishing / Overmolding / Laser welding/cutting / Etched markings / Laser marking / Passivation / Validated final cleaning ISO Class 8 clean room / UV & thermal cure gluing / Assembly in clean room / Packaging / Siliconization

Areas of Application:

- *Radiology*
- *Pain Control*
- *Trauma Implantology*
- *Nephrology*
- *Anasthesia*
- *Gynaecology / Reproductive Medicine*
- *Drug Delivery*
- *Biopsy*
- *Ear, Nose & Throat (ENT)*
- *Urology*
- *Oncology*

Due to our diverse machine park and large stock of raw materials, we can produce diverse needle tips and undertake various surface treatments for nearly all needs.

Client:

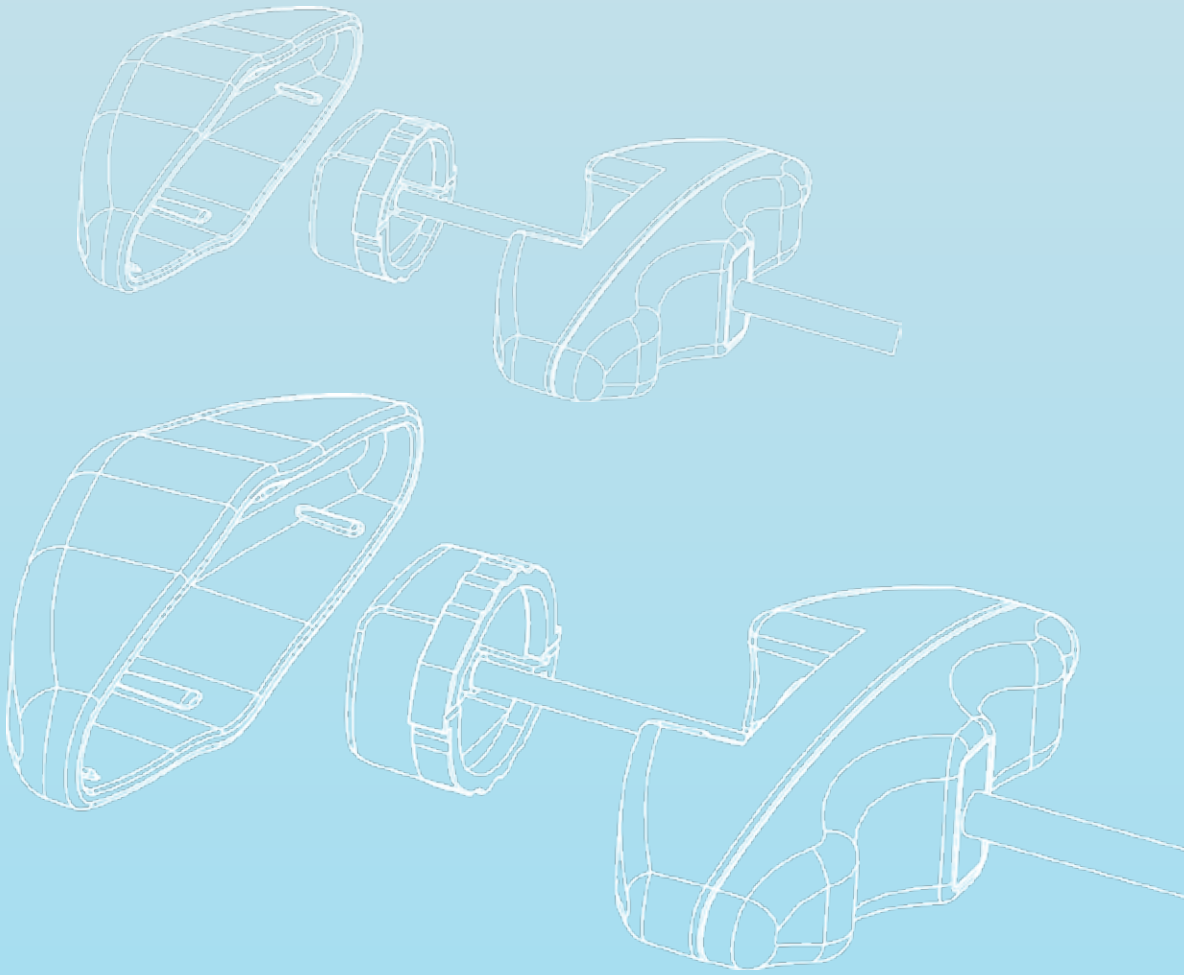
- *Pharmaceutical packaging and drug delivery devices*
- *Market position as a challenger and supplier to manufacturers of generic medications; based in Germany*

01 Problem / 02 Solution / 03 Result

01 / Request
Manufacture of cannulas, prototype and series assembly of the device. Prototype production followed by development and construction of assembled devices and automatic machines, tailored to the project phases, required quantities and the growing demands from the market.

02 / Concept
Fully automatic system concept for manufacturing and packaging the products; Series start 2023.

03 / Product
Prototyping and series production of implant syringe.



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