

AHN_

Biotechnologie
GmbH



Manufacturing and OEM Solutions

Consumables for Lab Automation | Robotic Tips | Automation Tips

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About us

Over 20 years of experience serving German and global leaders in the laboratory automation industry

That's over two decades in OEM production and the assembly of high-grade plastic and disposable laboratory products.

We specialise in providing private label and original equipment manufacturer (OEM) opportunities for industry leaders; making us a reliable and sought-after partner for companies looking to expand their product lines.

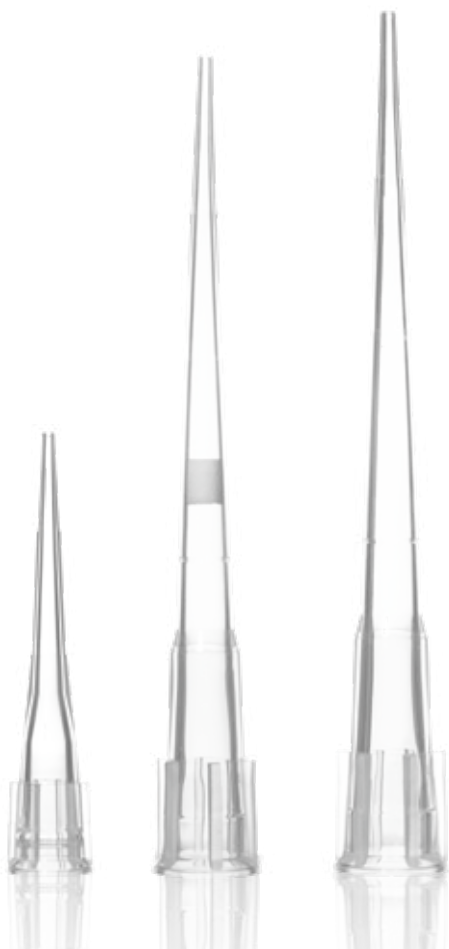
Flexible manufacturing processes with state-of-the-art injection-moulding machines and in-house tool shop ensure precision and repeatability.

Our scope

Currently producing tips, filter tips, tubes, vials, spin columns, housings, pipettes

We have the flexibility to produce bespoke products

Our offerings include consumables for life sciences, liquid handling and specialised consumables for DNA/RNA purification





Results-oriented
innovation with

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Our commitment to sustainability

At AHN Biotechnologie GmbH, we have a deep-rooted belief in sustainability and a desire to push the boundaries in the life science laboratory equipment industry.

Our facilities, both existing and those currently under construction, showcase our commitment to this cause through the use of sophisticated and energy-efficient machinery. Our products and brands are a reflection of our vision, embodying the principles of sustainability and environmental responsibility.

We are constantly striving to improve and stay at the forefront of technological advancements. From the raw materials we choose, to the longevity of our products, and the use of recyclable packaging, every aspect of our production process is guided by a commitment to sustainability. Our packaging materials are carefully selected to ensure that they are not only eco-friendly but also provide adequate protection during transportation and storage.



**Manufacturing
and OEM
solutions**

**Consumables for
Lab automation
Robotic tips
Automation tips**

**Flexible
manufacturing
process
In-house
tool shop**

**State-of-the-art
injection-moulding
machines**



Certification

We hold the necessary ISO 9001 certification; the most recognised and highly-regarded management system standard in the world.

We have put in place clear, repeatable processes which help us to maintain a top quality service for all our customers.

Certificate 9001:2015

Scope: development, manufacturing and sale of laboratory products, especially for molecular biology.



Our state-of-the-art facilities

Made in Germany

AHN Biotechnologie GmbH, based in Nordhausen in Germany, has over 20 years of experience in manufacturing consumables for Life Sciences.

We have now become the trusted supplier of robotic tips to the world's leading manufacturers of automated liquid handling systems.

Current facilities

- Total land area: 25,000 m²
- Total constructed area: 10,000 m²
- 25,000 m² of adjoining land available for further expansion
- Total production area: 1,600 m² (600 m² Injection moulding)
- Total assembly area: 500 m² clean room assembly + 100 m² regular assembly
- Clean room facilities: Class 9 – 2,000 m²; Class 8 – 950 m²; possible Class 6 injection molding machine
- Total storage area: 3,000 m² (1,600 m² sales stock)
- 20 years of experience in OEM production and assembly of high-grade plastic and disposable lab products. Currently producing tips, filter tips, tubes, cryo vials, spin columns, housings, pipette parts and pipettes
- We produce your individual product
- Flexible manufacturing processes with state-of-the-art injection-moulding machines and in-house tool shop ensure precision and repeatability
- Additional 4,600 m² new production area and clean room due for completion in 2023

Over 6000 m²
of clean room,
product and
storage areas

1000m²
Clean Room Facility
class 8 + class 9

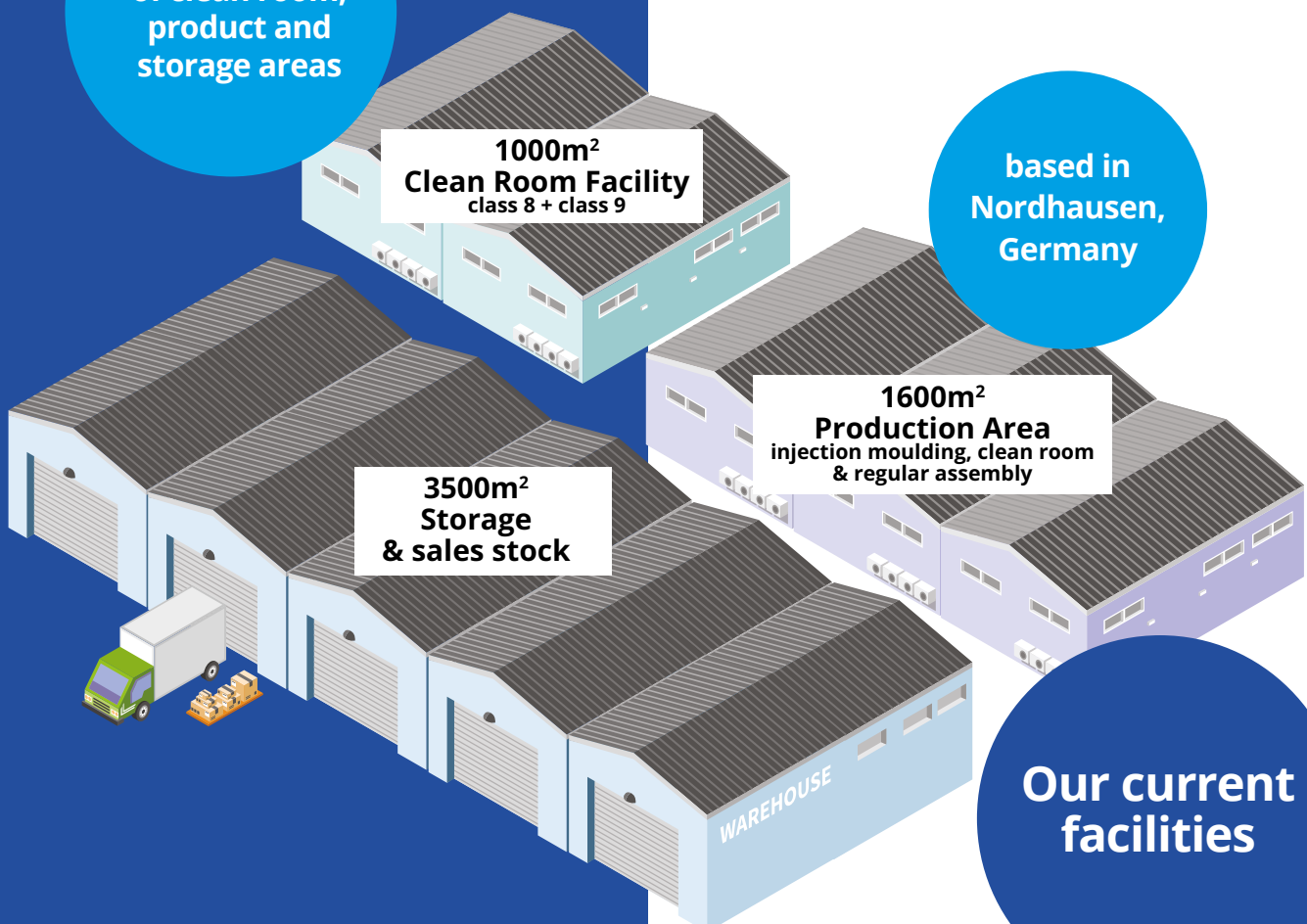
based in
Nordhausen,
Germany

1600m²
Production Area
injection moulding, clean room
& regular assembly

3500m²
Storage
& sales stock

WAREHOUSE

**Our current
facilities**



**Our new
facilities**

**Due for
completion
in 2023**

**An additional
4600m²
Production area
and Clean Room**



Infrastructure

In-house automation

Our in-house automation expertise reduces your investment requirements.

We are one of the very few liquid handling consumables manufacturing companies with the ability to develop in-house automation based on your own tip design, saving both costs and project lead-time.

Our diamond-polished Swiss moulds, for superior inner surfaces, ensure maximum sample recovery and high-precision pipetting.



Machinery

- Tool room and engineering strength - 250 m² tool room and technical department, drilling, milling welding, polishing, programming and extraordinary assembling of robots, electrical wiring, technical drawings, development support
- 18 fully electrical machines of 100 - 160 tonnes for ultimate efficiency and precision
- 1 hybrid machine of 300 tonnes
- 6 medical grade machines of 100 tonnes (1 with laminar airflow box)
- Stainless steel covered with hot runner and water gates controllers

Operated cavity scope

- 1, 2, 4, 12, 16, 32, 36
- 16, 32 and 64 cavities are ideal for tip configurations, 96-well or 384-well plate configuration with direct injection points on the tubes
- Planned is a novel automation assembly system for 1536-well tip assembly

Fully robotised units

- 15 robotic stations for stacking, picking and placing, filter insertion along with various vibration feeders
- Robotic moulding, incl. robots for spin columns with and without lid, full assembly with glass fibre, PFDV, PE and nylon
- Automated clean room production facility, which ensures there is no human contact during production
- Liquid Handling Consumables free from DNase, RNase, Pyrogen and ATP

Further technology

- Plasma treatment machine for surface coating and treatment
- Camera system for 100% visual control of the filter size, fit inside each tip, possible flash and tip size
- Automatic weighing and sealing equipment for bulk packaging

Design capabilities

We produce white label goods on a global scale.

OEM Solutions for leading brands account for 60% of our turnover.

Some of the projects undertaken so far

- Pipette tip production
- Pipette tip assembly with filter insertion
- Midi and maxi spin column production
- Mini spin column production and assembly in fully automated forensic grade plant, with up to three different filters and up to five layers, including automatic lid closure
- Filter plate assembly

Flexibility to work with multiple mould providers

- Adaptable assembly process for any specific requirements, combined with in-house technical support
- Ability to incorporate your tools and infrastructure
- Ability to design your specific product
- Market validation capabilities
- Complete production set up for plastic-moulded products under one roof: tool designing team | injection moulding machine | tool maintenance team
- We assemble your product under clean room conditions



Global experience and risk diversification

Our facilities work 24/5 in manufacturing and assembly.

We have the ability to produce DNase-, RNase-free on robotic systems.

Working in over 100 countries.

We have duplicate infrastructure capability in India.



Why choose AHN Biotechnologie GmbH?

Our experience and expertise in dealing with high cavitation, fully hot runner, high quality moulds.

Our fully equipped tool room for maintenance of tools and machines.

Our capabilities for in-house design, development and production of robotics stations, giving flexibility to change or improve for future upgrades.

A highly experienced team of electro-mechanical, plastic and robotic engineers.

Two temperature-controlled separate storages for finished goods and raw/semi-finished materials.

Nearby facilities for gamma and beta radiation sterilisation.

Team strength

- More than 20 years of experience in the business, and working in over 100 countries, in the areas of:
- Manufacturing
- Assembling laboratory consumables
- Technical support
- Robot construction
- Building in house
- Customer service
- Marketing
- Sales



Achieve more in
science with

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**Join us as we continue to develop products and
solutions for laboratories worldwide**



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