



Manufacturing and OEM Solutions

Consumables for Lab Automation | Robotic Tips | Automation Tips

AHN_
Biotechnologie
GmbH

LOCATION

Made in Germany

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

It has now become the trusted supplier of robotic tips to many of the world's leading manufacturers of automated liquid handling systems.

State-of-the-art manufacturing facility

Nordhausen, Germany

- Total production area: 1600m² (600m² injection moulding)
 - Total assembly area: 500m² clean room assembly and 100m² regular assembly
- Total clean room facility: 1000m² (400m² class 8 room and 600m² class 9 room)
 - Total storage area: 3000m² (1600m² sales stock)
- Over two decades of experience in OEM production and the assembly of high-grade plastic and disposable laboratory products
 - We produce your individual product
 - Flexible manufacturing process with state-of-the-art injection-moulding machines and in-house tool shop ensure precision and repeatability



INFRASTRUCTURE

In-house automation

In-house automation expertise reduces your investment requirements.

One of the very few Liquid Handling Consumables manufacturing companies with the ability to develop in-house automation based on your tip design, saving costs and project lead-time.

Diamond-polished Swiss moulds for superior inner surfaces, ensuring maximum sample recovery and high-precision pipetting.



Machinery

- 5 hydraulic machines of 50-100 tonnes
- 7 electrical machines of 100-160 tonnes, for ultimate efficiency and precision
- 6 medical-grade machines of 100 tonnes (1 with laminar airflow box)
- Stainless steel covered with hot runner and water gate controllers

Operated cavity scope

- 1, 2, 4, 12, 16, 32, 36
- 16, 32 and 64 cavities are ideal for 96-well plate configuration
- Novel automation assembly systems for 1536-well tip assembly

Fully robotized units

- 15 robotic stations for stacking, picking and placing, filter insertion and vibration feeders
- Robotic moulding, including robots for spin columns with/without lid, full assembly with glass fibre, PRDV, PE and nylon
- Automated clean room facility ensures 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

White label production on a global scale

OEM Solutions for leading brands
= 35% of the turnover.



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

- 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

24/6 manufacturing and assembly.

Ability to produce DNase-, RNase-free on robotic systems.

Duplicate infrastructure capability in India.

Choose AHN Biotechnologie GmbH

The benefits to you

Experience and expertise to deal with high cavitation, fully hot runner, high quality moulds

- Fully equipped tool room for maintenance of tools and machines
- In-house design, development and production of robotics stations, giving flexibility to change or improve for future upgrades
- 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





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About Us

AHN Biotechnologie GmbH has more than 20 years of experience serving German and Global leaders in the Lab Automation Industry.

Our affiliated brands of CAPP, AHN, Maxxline and Schild Line contribute towards the expedition of innovation in the liquid handling world by offering products with advanced design to increase efficiency in laboratory workflow.

For more information
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