



**together we can achieve
pretty much anything.**

Product overview
Life science, liquid handling & automation



Biotechnological excellence for a dynamic market

At Analytik Jena, Life Science is more than just exploring biological systems – it’s about truly understanding the ambitions and challenges of researchers around the globe. Drawing on decades of expertise and a passion for innovation, we provide advanced solutions for molecular biology, liquid handling, and lab automation.

Global reach, local support

Founded in 1990 and headquartered in Jena, Germany, Analytik Jena is part of the Endress+Hauser Group and serves customers in over 100 countries.

Our instruments are trusted wherever precision and reliability are essential. Whether it is water analysis, environmental monitoring, health care, or quality control, the company’s devices guarantee that strict standards have been maintained. Services, as well as device-specific consumables and disposables, such as plastic articles, complete the extensive range of products.

Industries and fields of application:

- Pharma & Life Science
- Environment
- Food and Agriculture

We also offer products and solutions for other industries:

- Chemicals & Materials
- Geology, Mining & Metals
- Power & Energy
- Petro Industry

Table of contents



- 4 PCR
- 6 Biometra TAdvanced series
- Biometra TOne series
- 7 Biometra TRIO series
- Biometra TRobot II series

- 8 qPCR
- 9 qTOWERiris series
- qTOWER³ auto series



- 10 Automated liquid handling
- 11 CyBio Felix series
- 12 PULSEspencer series
- 13 CyBio Well vario series
- CyBio SELMA series

- 14 Labware handling
- 15 CyBio QuadStack series
- CyBio QuadPrint series



- 16 Lab automation
- 18 CyBio automation
- 19 Pre-configured systems



- 20 Consumables



- 22 Additional offerings
- 22 Modular service contracts
- 23 Your partner in chemical analysis

PCR thermal cyclers

Analytik Jena's PCR thermal cyclers combine high efficiency and precision for a wide range of PCR applications. The Biometra TOne, TAdvanced, and TRIO series provide tailored solutions for varying demands in throughput, flexibility, and usability. For fully automated workflows, the Biometra TRobot II series enables seamless integration into robotic systems, ensuring reliable and reproducible PCR results in high-throughput environments.



PCR

Biometra TAdvanced series



State-of-the-art PCR technology

Users looking for a premium system will find their desired device in the Biometra TAdvanced. This flexible, high-quality thermal cycler features a block quick-change system with a wide choice of blocks: from single to twin block modules, with a gradient option, covering 12 different configurations. Available block types include 0.2 mL tubes/plates, 0.5 mL tubes, and 384-well plates. High heating rates of up to 6 °C/s in aluminum blocks and up to 8 °C/s in silver blocks can be achieved due to optimal temperature control.

An extended user management system offers individual user rights for up to 90 users.

Biometra TAdvanced series at a glance:

- Premium quality with excellent ramping rates
- Exceeding temperature homogeneity across the block for reproducible results
- High application versatility thanks to wide range of quickly exchangeable block modules
- Your excellent partner for Next Generation Sequencing (NGS)

More information online
www.analytik-jena.com/biometra-tadvanced



PCR

Biometra TOne series



The PCR standard for your laboratory

The Biometra TOne is a high-performance system with a 96-well block, also available with a gradient function. The combination of excellent technical data and an attractive price makes it the right choice for many research and routine laboratories. The robust and easy-to-control thermal cycler is well suited for the most common applications in 96 well formats with optional 12 column gradient function. Fast pinpoint results can be gained, thanks to a high heating rate of 4 °C/s.

Biometra TOne series at a glance:

- Reliable partner thanks to robust design and easy to use software
- Excellent heating and cooling rates for specific results
- Superior temperature uniformity for reproducible results across the entire sample block

More information online
www.analytik-jena.com/biometra-tone



Biometra TSuite Software

Comfortably manage and monitor all Biometra thermal cyclers from your desk.



More Information

PCR

Biometra TRIO series



Three PCR devices in one

The Biometra TRIO thermal cycler includes three independent blocks in one instrument. Both multiuser environments as well as users with lower sample numbers but different samples will enjoy this model. The three-block design and the specific Temperature Optimization Step function support the fast optimization of ideal annealing temperatures. Highly accurate block control and heating rates up to 5 °C/s lead to highly specific and fast results. You can use the three sample blocks for 0.2 mL tubes/plates or 0.5 mL tubes to amplify or incubate a large number of samples at the same time. Laboratories that often use new protocols benefit from this versatility. The professional user management is perfect for laboratories with a large number of users.

Biometra TRIO series at a glance:

- Three independent sample blocks for ultimate flexibility
- Temperature Optimization Step technology to determine the optimal annealing temperature
- Protocol Wizard and Advanced User Management included for convenient operation

More information online
www.analytik-jena.com/biometra-trio



Automated PCR

Biometra TRobot II series



Leading PCR expertise for the automated workflow

The automated thermal cycler Biometra TRobot II allows a high-throughput PCR workflow with 24/7 reliable, unattended operation with highest quality of results for routine PCR or incubation applications. It is ideal for molecular biology labs that face a large number of samples every day and need to rely on the analysis results of their valuable samples.

Biometra TRobot II series at a glance:

- Ensured success through reproducible, high-quality results
- Increased walk-away time thanks to reliable 24/7 unattended operation
- Convenient use via dedicated software or full scheduler integration
- Minimal downtime thanks to more than 40 years of thermal cycler expertise and robust design

More information online
www.analytik-jena.com/t-robot



Biometra TMS

Automated temperature verification for Analytik Jena thermal cyclers.



More Information

qPCR thermal cyclers

The qTOWERiris and qTOWER³ auto provide precise and reliable real-time DNA quantification with high throughput and flexibility. The qTOWER³ auto series supports fully automated workflows, making it ideal for integration into robotic setups.



qPCR qTOWERiris series



Feel free to explore

The real-time PCR thermal cycler qTOWERiris empowers your exploration. It equips you to meet your current and future needs in qPCR, as a truly open system: You are free to choose what it takes for your venture – from consumables, assays, to color modules. The instrument can hit six targets at once. And for your peace of mind, you can count on a system designed for long-term use that operates quietly and smoothly, providing uniform precision across every well.

qTOWERiris series at a glance:

- The complete spectrum: clear signals from UV-A to Near Infrared (NIR)
- Multiplexing: up to six targets simultaneously
- Your choice: Modules, consumables, reagents, and assays
- Temperature homogeneity: ± 0.15 °C across the whole block exceeds the market standard of up to ± 0.4 °C
- Ergonomic and whisper-quiet

Automated qPCR qTOWER³ auto series



Real-time PCR meets automation

The qTOWER³ auto is the go-to solution for robotic qPCR workflows. The system combines Analytik Jena's patented optical technology, Biometra's proven thermal cycler technology, user convenience, data integrity and unique adaptability. It is ideal for routine labs looking to increase throughput, reliability and quality of their qPCR results for applications like genotyping, genomic profiling, biomarker analysis or drug discovery.

qTOWER³ auto series at a glance:

- High-end qPCR solution for automated research
- Sophisticated, automation-friendly design with minimal footprint
- Smooth integration into computer-controlled workflows
- Compatibility to common plates handlers and automation systems



More information online
www.analytik-jena.com/qtower-iris



More information online
www.analytik-jena.com/qtower-auto



Automated liquid handlers

Flexible, precise, and scalable liquid handling solutions for every lab. Whether it's versatile workflows with CyBio FeliX, contactless precision dispensing with the PULSEspencer series, high-throughput performance with CyBio Well vario, or compact benchtop semi-automation with CyBio SELMA – our systems adapt to your needs and ensure reliable liquid handling from routine tasks to complex protocols.



Automated liquid handling CyBio FeliX series



Your automated application starts here

The CyBio FeliX is a unique liquid handling platform designed to focus on your needs today and engineered for your changing requirements tomorrow. Utilizing the most innovative automated liquid handler available today, feel empowered and be able to transform your research to maintain a competitive edge.

The CyBio FeliX meets the market demand for advanced, medium- to high-throughput robotics within the liquid handling community. The high-precision parallel transfer in 96 or 384 well format is complemented by pipetting in single wells, as well as pipetting into columns and rows.

CyBio FeliX offers maximum flexibility with minimal space requirements through a unique deck design with twelve positions on two levels. Despite its compact design, CyBio FeliX provides sufficient space for microplates, tubes, shaker, magnet adapter and gripper. The modular concept of CyBio FeliX enables customized configurations for a wide variety of applications and can be adapted at any time to suit changing requirements.

CyBio FeliX series at a glance:

- Free yourself from repetitive manual pipetting
- Save valuable lab space
- Save money with reliability, robustness and precision
- Save valuable time
- Save on upfront investment - automate today, scale up tomorrow

CyBio pipetting heads

High-performance pipetting heads for every application – from single-channel precision to 384-channel throughput. Designed for seamless integration with CyBio liquid handling systems, our pipetting heads ensure accurate, reproducible results across a wide range of volumes and formats.

NEW: CyBio FeliX SELECT Head

The SELECT Head for the CyBio FeliX revolutionizes liquid handling with its 8 independent channels and variable volumes. With this innovative pipetting module, complex transfers can be performed directly from CSV files, eliminating the need for complicated programming. With the SELECT Head from Analytik Jena you can optimize your laboratory processes, save valuable time and increase the precision of your results.



More information online
www.analytik-jena.com/cybio-felix



Automated liquid handling

PULSEspencer R

PULSEspencer RC



Dispense. Discover. With every pulse.

The PULSEspencer series delivers precise, contactless dispensing in a compact, modular design. It supports diverse applications from drug discovery to genomics and ensures reliable, reproducible results backed by Analytik Jena's long standing expertise in advanced liquid handling technologies.

Designed for precision reagent and cell dispensing, the PULSEspencer series streamlines complex workflows and supports assay miniaturization with ease. Covering volumes from picoliters to microliters, it offers unmatched flexibility for a wide range of applications. Whether you are preparing dilution series, optimizing conditions, or handling critical reagents, this system delivers accuracy and reproducibility in every step, saving time and resources in your lab. Its intuitive software guides you effortlessly through setup and operation, ensuring confidence, and efficiency from start to finish.

PULSEspencer series at a glance:

- Assay miniaturization
- Low volume consumption
- Reduced contamination risk and variability
- Save lab space and increase throughput
- Minimal training and easy implementation

PULSEspencer R - brings pL-level dispensing to your lab – automating workflows with unmatched accuracy. Whether you're miniaturizing assays or conserving precious reagents, this compact system delivers consistent, high-quality results with minimal effort.

PULSEspencer RC - takes pL-level dispensing further, enabling advanced applications like single-cell omics. Built for maximum precision and flexibility, it ensures confident results even at the smallest volumes.

Dispensable fluids

Both PULSEspencer R and RC are designed for precise dispensing of DMSO solvents and aqueous fluids (small molecule compounds or biomolecules) with or without surfactant. In addition, the PULSEspencer RC is capable of simple single- to multi-cell dispensing and acetonitrile solvents.

More information online
www.analytik-jena.com/pulsespencer-series



Automated liquid handling

CyBio Well vario series

CyBio SELMA series



The pipetting work horse

Designed for high throughput applications within the screening environment, the CyBio Well vario easily implements your high-precision needs for automated pipetting and can be adapted to specific applications at any time.

CyBio Well vario series at a glance:

- Robust engineering for long-lasting and consistently good performance
- Reliable results through high precision over an enormous volume spectrum
- Easy setup of applications through a powerful software

i Single use polypropylene TipTray for CyBio Well vario

- Only widely available parallel pipetting system for 1536 format
- Throughput rate: ≤ 10 sec per pipetting step
- Unrivalled precision: 1–5 µL: CV ≤ 3%;
≥ 5 µL: CV ≤ 2%

More information online
www.analytik-jena.com/cybio-wellvario



Your personal pipetting assistant

CyBio SELMA is a smart and compact benchtop solution which supports you in any situation and makes your laborious pipetting tasks so much easier. It offers more comfort, higher performance and more flexibility. Thus you will be faster, more efficient, and more competitive.

You get a precise and semi-automatic pipettor with 96 or 384 pipetting channels for easy and fast filling of 96- and 384-well microplates without the use of a computer. Applications like replication and reformatting, medium exchange as well as serial dilution can be executed reproducibly and conveniently.

CyBio SELMA series at a glance:

- Intuitive operation without the need for programming
- Compact design which fits on any lab bench as well as into most of the laminar flow hoods
- Comfortable and error free transfer of 96 or 384 samples in a single step

More information online
www.analytik-jena.com/cybio-selma



Labware handling

Efficient, compact, and reliable solutions for microplate storage and labeling. From high-capacity stacking with the CyBio QuadStack to precise high-throughput labeling with the CyBio QuadPrint – streamline your workflows and save valuable lab space.



Labware storage CyBio QuadStack series



Compact and flexible microplate storage with four stacks

Next generation microplate storage devices - with four stacks, the CyBio QuadStack offers the most compact setup on a comparable small footprint. The CyBio QuadStack stores up to 280 microplates in four different stacks, saving valuable laboratory space. The patented plate storage system enables maximum plate capacity in the smallest space by rotating stacks and a transfer position. To ensure user-friendly loading and unloading of the plates, the doors of the stacking towers have been specially ergonomically designed.

CyBio QuadStack series at a glance:

- Rotating stacks
- Availability of different access modules
- Two different stack heights

Plate labelling CyBio QuadPrint series



Stack plates. Print quad.

Compact, robust, versatile – the CyBio QuadPrint high-throughput label printer makes your labeling processes safe and reliable, with maximum walk-away time. The CyBio QuadPrint has a very high stacker capacity (up to 280 MTPs) and allows the processing of different microplate formats in ANSI SLAS format. The combination of excellent labeling speed, a comprehensive database with predefined microplate parameters and a wide range of label contents (barcode, text, 1D and 2D) makes the CyBio QuadPrint a flexible partner in automated high-throughput labeling.

CyBio QuadPrint series at a glance:

- Save your valuable lab space – small footprint despite high capacity microtiter plate storage
- Ensure high process stability and efficiency – precise printing
- Operate reliable and reproducible – harmonic device and software technology
- Reach maximum flexibility – increasing throughput without compromise



More information online
www.analytik-jena.com/cybio-quadstack



More information online
www.analytik-jena.com/cybio-quadprint



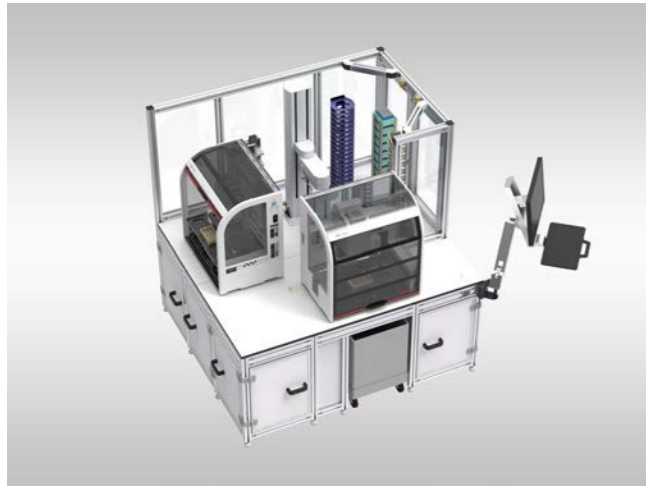
Lab Automation

For us, lab automation is much more than just a term. It represents liquid handling and integration on a completely new level: We are not only talking about potential solutions, but are already implementing them today – with development know-how, strong customer orientation, and years of market experience. Our CyBio products are highly regarded in the pharmaceutical and life sciences sectors. Customers appreciate the precision, reliability, robustness, and user-friendliness of our systems.



Automation solutions

CyBio automation



Passionate people. Trusted lab integration.

Our automation team designs, produces, and installs fully automated systems tailored to the specific applications as well as the throughput and capacity requirements of our customers. The combination of Analytik Jena pipetting systems paired with our expertise in liquid handling is at the core. We offer customized solutions from planning through implementation to maintenance to ensure the highest precision and efficiency, meeting the individual requirements of each laboratory.

- Extensive product range, complemented by integration services for third-party solutions
- CyBio Liquid Handler for optimal sample preparation
- Versatile accessories and custom developments of hardware & software
- Additional equipment such as tables, racks, mobile carts, enclosures, and electrical components
- Software for control, scripting, and scheduling

CyBio Automation Basic

Lab automation starts with autonomous sample loading and smart integration of semi-automated processes. Our modular solutions bring automation directly to your benchtop – customizable, scalable, and tailored to your individual needs.

CyBio Automation Pro

Our automation solutions are flexibly adaptable – ideal for medium throughput and evolving workflows. Whether for cell culture, screening, or molecular biology in proteomics or genomics, we deliver top performance with a minimal footprint.

CyBio Automation Sophisticated

Our system layouts are fully customizable – from HTS workcells with defined environmental conditions to complex, modular workflow automation. We design solutions tailored to your needs, ensuring maximum flexibility and performance.

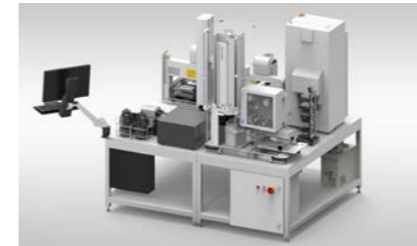


More information online
www.analytik-jena.com/cybio-automation



Automation solutions

Pre-configured automation



Automated ELISA: Enhancing reproducibility and efficiency in your lab

Our automated ELISA Lab Automation Systems deliver unmatched precision, efficiency, and reliability for Pharma, Biopharma, and Life Science laboratories. Ready for immediate use and already proven successful with customers, these systems can also be adapted and expanded to meet specific needs. By providing stable environmental conditions, our systems protect workflows from external influences, ensuring consistent and high-quality results.



Automated MALDI-TOF-MS sample prep: low volume pipetting meets flexible throughput up to uHTS

Our pre-configured automation systems for MALDI-TOF-MS sample preparation offer immediate availability and maximum efficiency. With precise components like the CyBio Well vario 1536 pipettor and CyBio Active Dryer, we ensure sample integrity and reproducibility. In cooperation with Bruker, we drive continuous innovation. Optimized workflows and reliable, automated analyses up to uHTS. Over 150 integrated drivers and more than 160 installed systems.



CyBio FeliX workcell: Unlock capacity. Empower performance.

The CyBio FeliX Workcell delivers true lab bench automation through a clever modular and easily expandable system that adapts to your workflows, offers exceptional flexibility for customization, and ensures long-term efficiency without unnecessary complexity or overhead. It increases throughput and autonomy while maximizing lab space efficiency, and its future-proof architecture allows for easy upgrades and seamless module integration.



Automated NGS library preparation: Complex workflows. Clear solutions. Automated with precision.

We begin automating our NGS library preparation at the level that best fits your current needs – from targeted entry points to fully automated workflows. Thanks to a modular system design, our solutions can be easily expanded and adapted as our processes evolve, ensuring a future-proof investment. Tailored configurations allow seamless integration into existing workflows.



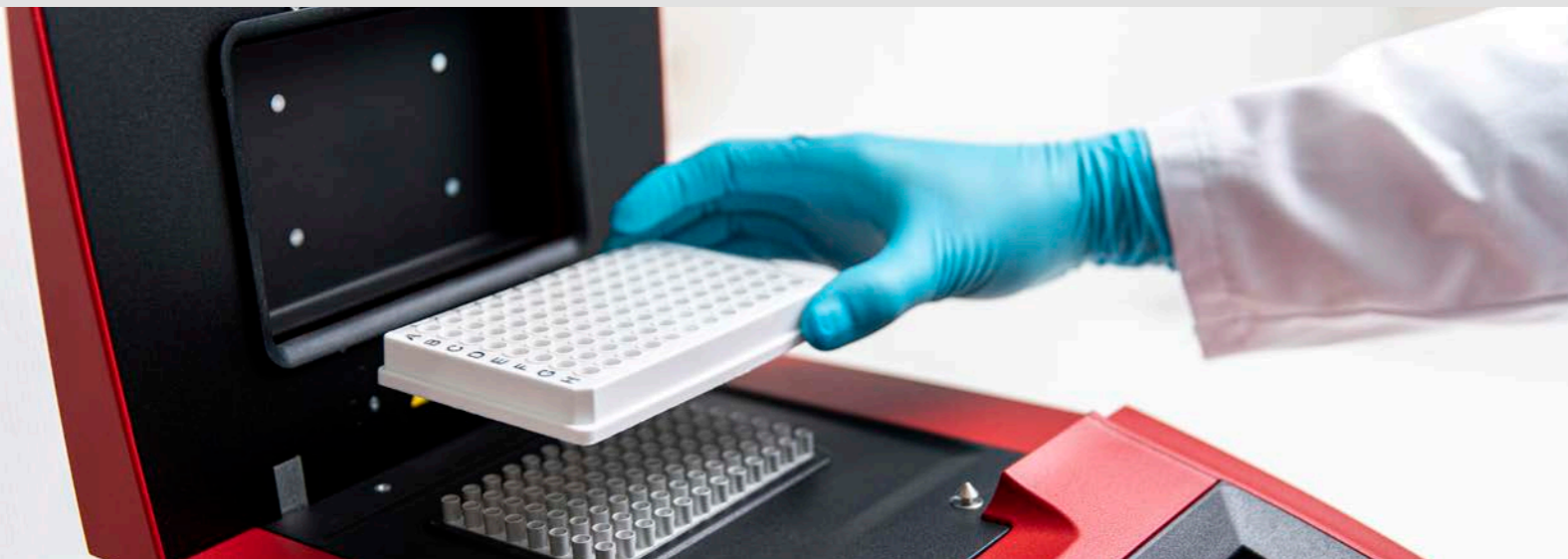
More information online
www.analytik-jena.com/pre-configured



Consumables

Analytik Jena offers a comprehensive range of high-quality consumables designed to perfectly complement our instrument technology. From precision-engineered pipette tips to CyBio TipTrays, TipRacks, and optimized PCR/qPCR well plates, our products deliver reliable performance across a wide range of applications. Whether for thermal cycling or liquid handling, every detail is tailored to deliver maximum accuracy and reproducibility.

- **Pipette tips for multichannel pipetting:** CyBio TipTrays and RoboTipTrays for 96 and 384 formats – designed for high precision and repeatability using our unique CyBio Tip Sealing Technology.
- **Pipette tips for single or row/column pipetting:** CyBio TipRacks and TipBoxes – ideal for flexible manual or semi-automated workflows across various formats and volumes.
- **Consumables tailored to automation:** Products developed for seamless integration into Analytik Jena's liquid handling platforms such as CyBio FeliX, CyBio SELMA, and CyBio Well vario.
- **Multiple formats, volumes, and quality grades:** Tip types and labware are available in a broad range of specifications to meet the exact needs of your application – from standard use to high-precision requirements.
- **PCR and qPCR consumables:** Plates, strips, tubes, and sealing films – optimized for full compatibility with Analytik Jena's PCR and real-time PCR thermal cyclers, ensuring reliable and reproducible results.



Don't compromise when it comes to your data. Choose Analytik Jena consumables and see how small details make a huge difference.

Modular service contracts

The service contract that's a perfect fit: Enjoy a tailored service concept that exactly suits your needs. With all advantages from Analytik Jena's service: fast, friendly, personal, and competent.



Create your own service contract


You choose your device with the configuration you need. Why not your service contract too? Select the service modules you need and tailor your individual service package. Benefit from the flexibility of components and the full support of a strong service partner. For service as unique as your business.

Our contract modules

- **Repair & Maintain:** individual maintenance concept and all repairs during the contract period
- **Operational Qualification/OQ:** a functional qualification during the contract period
- **Preventive Maintenance:** inspection of equipment technology and peripherals according to protocol
- **Calibration:** temperature calibration of your thermal cycler
- **Application Training:** one applicative-methodological training plus consulting and troubleshooting for daily routines
- **Reaction Time:** Book a defined reaction time (72 or 48 hours). We guarantee to solve your case or to send a technical expert to your site within this period.

i Benefits of a modular service contract

- Customized – create the contract that is tailored to your needs
- Powerful – secure best performance and minimum downtime of your devices
- Cost efficient – plan your costs and pay only what you need
- Time-saving – secure efficient processes and minimal organizational effort
- Strong partner – enjoy competent personal service from the manufacturer

 More information online
www.analytik-jena.com/servicemodules



Your partner in chemical analysis

In addition to our know-how in life science, liquid handling and automation, the chemical analysis portfolio of Analytik Jena includes a wide range of products for nearly every task in analytical chemistry.



Expertise in chemical analysis

In analytical chemistry, there is a range of methods and technological solutions to answer specific questions. Analytik Jena offers a variety of robust and highly sensitive instruments for modern analysis.

Product portfolio

- Atomic absorption spectrometers
- Inductively coupled plasma spectrometers (ICP-MS, ICP-OES)
- UV/Vis spectrophotometers
- TOC/TN_b analyzers
- Combustion elemental analyzers (AOX, TOX, EOX, POX, TX, CNSX)
- Sample Preparation systems (AOX/AOF, liquid chromatography, microwave digestion)
- Automated sample handling and preparation systems

Industries and fields of application:

- Environment
- Chemicals & Materials
- Pharma & Life Science
- Food and Agriculture
- Geology, Mining & Metals
- Petro Industry
- Power & Energy

 More information online
www.analytik-jena.com/chemical-analysis



Headquarters

Analytik Jena GmbH+Co. KG
Konrad-Zuse-Straße 1
07745 Jena / Deutschland

Tel +49 3641 77 70
Fax +49 3641 77 9279
info@analytik-jena.com
www.analytik-jena.com

Pictures: Analytik Jena GmbH+Co. KG (unless otherwise noted)
Subjects to changes in design and scope of delivery as well as further technical development!
Version 4.0 | en | 05/2026 | 844-MA100-2-B

© Analytik Jena GmbH+Co. KG

analytikjena
An Endress+Hauser Company