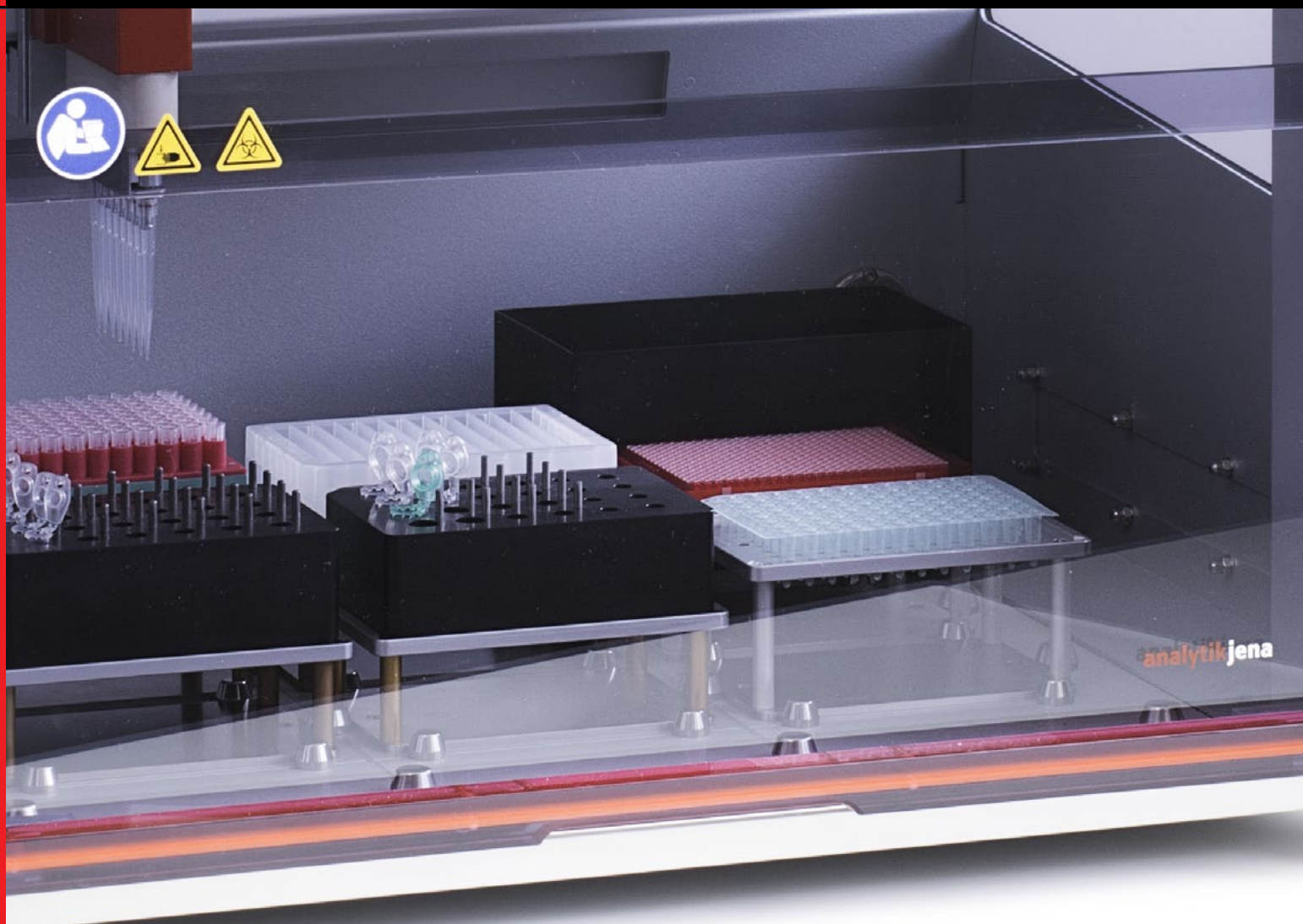


# Smart Benchtop System for Your Lab GeneTheatre

Automated Liquid Handling



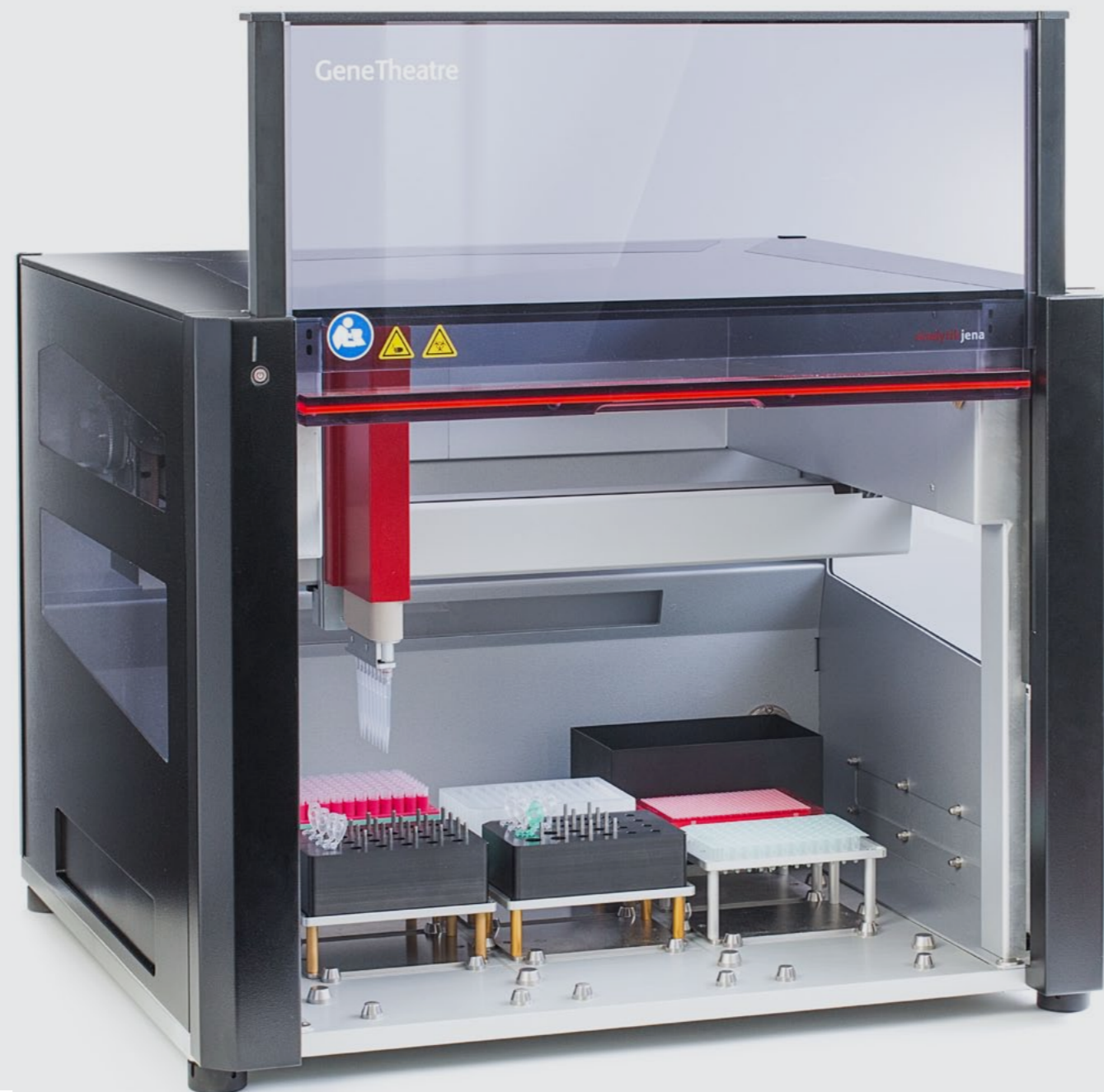
# GeneTheatre

Automated pipetting routines:  
easy and fast.

The use of the GeneTheatre greatly simplifies all pipetting routines within the low to medium throughput range via disposable tips.

Thanks to its compact footprint, GeneTheatre can be placed on any lab bench. Through its open design and customer swappable pipetting heads, the system can be adapted to many requirements such as PCR setup, gene assembly, master mix preparation and serial dilution to name a few.

In addition to microplate handling on 12 freely selectable deck positions, GeneTheatre enables the use of strips, single vessels and glass slides. Depending on your application needs the system is also perfectly suited for the use of external accessories, such as shaker and cooling or heating plates.



# GeneTheatre

Smart Benchtop System for Your Lab

Used for All Laboratory Pipetting Tasks



### Analysis

- Sample preparation
- ELISA
- Kits



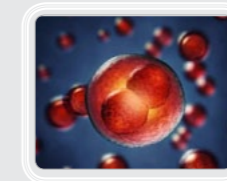
### Drug Discovery

- Hit picking
- Sample pooling
- Serial dilution
- 96 to 384 reformatting



### Genomics

- PCR & qPCR
- NGS and mag bead
- clean ups
- Gene assembly



### Cells

- ADME/Tox
- Cell seeding
- Transfection

### Maintain sample quality

Highly precise and reproducible pipetting and dispensing results without the risk of cross contamination.

### Adaptable for any application

12 freely selectable positions, handling of any SBS footprint (ANSI/SLAS 1-4 2012) labware and accessories as well as third-party equipment such as magnets, shakers and temperature control blocks.

### Compact and affordable for any lab

Compact benchtop system with smallest footprint of 642 x 494 x 607 mm (W x H x L) for an affordable price.

### Error free results and minimizing of efforts

CyBio's proven pipetting technology allows users to transfer samples safely, error free without confusion or missing wells.

## Software Solutions Designed Around Your Demands

From a clearly structured, graphical and easy to learn entry level package right up to a powerful script writing module, you can choose the right concept to meet your needs.

### GeneTheatre Software

The GeneTheatre software offers a clearly structured, easy-to-learn entry level interface. With drag & drop and the use of predefined pipetting and dispensing parameters different routines are set up quickly. Programmable speeds and heights allow optimal handling for various types of liquid conditions and labware.

### CyBio® Composer

The CyBio® Composer software is CyBio's platform for every aspect of controlling CyBio's instruments. An application oriented graphical user interface, a powerful script writing module, and a flexible integration module leaves nothing lacking in order to satisfy high level users in today's laboratories.

### CyBio® Application Studio

The CyBio® Application Studio is a ready to use graphical user interface without any programming steps. Open your pre-written method and click to start. The input of daily sample number is easy and can be done either on the PC or touch screen.

## Highly Precise Fully Variable Workstation

Thanks to its various pipetting heads and accessories. The GeneTheatre can be adapted to a wide range of applications.

### Pipetting Heads

The core components of the liquid handling performance are the interchangeable pipetting heads. There are 1- and 8-channel pipetting heads\* with a wide volume range from 0.5 µl to 1000 µl available. A simple mechanism allows users to change the pipetting heads without tools – an effortless process requiring no technical expertise.

### Waste systems

Different applications require different numbers of tips and different ways to discard them, which is why GeneTheatre offers three different waste systems. This allows the users to choose whether used tips are discarded into a tip waste rack or a waste box directly placed on the deck or via tip waste outside into commercially available refuse bags.

### Adapter

A wide range of different adapters and passive cooling blocks enables the positioning of the necessary labware and consumables directly on the working deck of the device.

- Adapter 0.2 ml (for 96 well PCR plates, tubes and strips)\*\*
- Adapter 0.5 ml (for 24 x 0.5 ml tubes)\*\*
- Adapter 2.0 ml (for 24 x 1.5 ml or 2.0 ml tubes)\*\*
- Adapter kombi (for 8 x 0.2 ml, 8 x 0.5 ml, 8 x 1.5/2.0 ml tubes)\*\*
- Adapter 96 well microplate LP (for 96 well microplateLP)\*\* Adapter 384 well microplate (for 384 well microplates)\*\*
- Adapter 0.1 ml (for 24 x 6 0.1 ml tubes)\*\*
- Adapter 0.7 ml FluidX (for 24 x 0.7 ml FluidX tubes with jacket)\*\*
- Adapter 2.7 ml Monovette (for 24 x 2.7 ml Monovette)\*\*
- Adapter 7.5 ml Monovette (for 24 x 7.5 ml Monovette)\*\*
- Adapter standard 96 well (for 96 well microplates, PCR plates, tubes and strips)
- Adapter standard 384 well (for 384 well microplates, PCR plates)
- Soft touch adapter (for optimal pipetting of small volumes in empty wells)
- Tip tray adapter 1000 µl (adapter for hosting 1000 µl tips)
- Height adapter 40 mm (required for CyBi®-TipBox 50 µl/250 µl, soft touch adapter as well as further Labware such as microplates)

### Additional equipment

- UV-Lamp
- Barcode reader
- Microplate cooling and heating
- Magnetic adapter
- Microplate shaking

\* for further descriptions see GeneTheatre specifications

\*\* all adapters listed above have a passive cooling function

## Technical Data

Pipetting heads			
1 or 8 channel pipette (No. of Channel)	Pipette type (max. volume)	Precision* (cv in %)	
1 and 8	25	5 – 25 µl 2 – < 5 µl	cv ≤ 2 % cv ≤ 3 %
1 and 8	250	25 – 250 µl 10 – < 25 µl	cv ≤ 2 % cv ≤ 3 %
1 and 8	1000	100 – 1000 µl 50 – < 100 µl	cv ≤ 2 % cv ≤ 3 %

Software	
Operating system	Windows XP (or higher)
Processor	Pentium II
RAM	1 GB

Basic unit	
Dimensions (WxHxL)	642 mm x 494 mm x 607 mm
Plate positions	12 positions (SBS-format)
Weight	Approx. 40 kg
Interface	USB
Voltage	110 – 230 V
Frequency	50/60 Hz
Power consumption	≤ 160 VA

Warranty	
Basic unit	1 year
Pipetting heads	1 year

\* based on absorption measurement

## Analytik Jena Instrument Services

Your reliable and competent partner



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We care about YOUR success.

Our highly skilled service staff is committed to excellence.

Our philosophy is simple.

### Your benefits

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#### Worldwide partners

CyBio's contact partners are available for you worldwide on-site.



#### Headquarters

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Subjects to changes in design and scope of delivery as well as further technical development!

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