



## NEMAXYS 200 POSITIONING PLATFORM

### FEATURES

If you need XYZ tool or sample handling in your application or want to be able to mount various tools and instruments, the NEMAXYS positioning system will be the right choice.

The standard device setup consists of a base unit with moving X and Y axes, a separate Z axis mounted to the tool bridge, and a microtiterplate tray table. Additional Z axes, a sample-specific tray table, or overall dynamic configuration of all axes are just some of the configurations that are available.

### MECHANICAL DATA

Dimensions (L x W x H).....	544 x 494 x 506 mm
Weight.....	20 kg
Power Supply Voltage.....	85 – 264 V AC
Frequency.....	47 – 63 Hz
Power Rating (Integrated).....	120 W
Peak Power Consumption.....	

### INTERFACES

USB.....	1.1, 2.0
CAN.....	max. 1 Mbit/s
RS232.....	max. 115200 bit/s
CETONI Trigger Interface.....	2x A-IN, 3x D-IN, 4x D-OUT

### ENVIRONMENT / HANDLING

Operating Temperature.....	0 – 45°C
Storage Temperature.....	-40 – 75°C
Operating Humidity.....	20 – 80%, Noncondensing
Storage Humidity.....	20 – 80%, Noncondensing

### AXIS POSITIONING

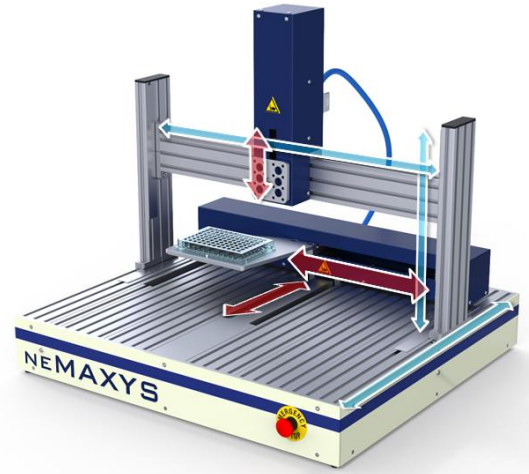
Stroke (XY / Z).....	200 / 50 mm
Supported Weight (XY / Z).....	0.5 / 1 kg (other configurations on request)

### POSITIONING MOVEMENT

Minimum Velocity (XY / Z).....	70 / 17 µm/s
Maximum Velocity (XY / Z).....	200 / 25 mm/s
Acceleration (XY / Z).....	5 / 1.7 m/s <sup>2</sup>

### POSITIONING PERFORMANCE

Precision (XY / Z).....	8 / 7 µm
Accuracy (XY / Z).....	3 / 0.6 µm



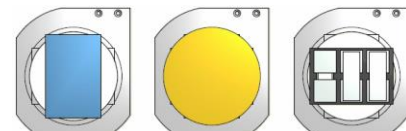
### CUSTOMIZATIONS

#### Sample Tray Table

The standard tray table is shown above. Alternative versions, including holders for slides, Petri dishes, vacuum plates, etc., or custom tables are available on request.



Tray table variants: titerplate, vacuum table, titerplate/Petri dish.



Multi-purpose tray table (titerplate, 6" wafer, slide/35" holder).

#### Z-Axis

In its standard configuration, the tool bridge comes mounted with a single z-axis featuring a universal tool mounting plate. However, additional or, e.g. more powerful, z-axes and your choice of tool holder are available.

#### Axis Movement

All three axes of your NEMAXYS 200 come preconfigured with an optimal balance of acceleration and speed. Adjustments to the dynamic properties of individual axes are possible, e.g., to allow handling of fluids in shallow containers, either via the control software or, via hardware factory settings.

