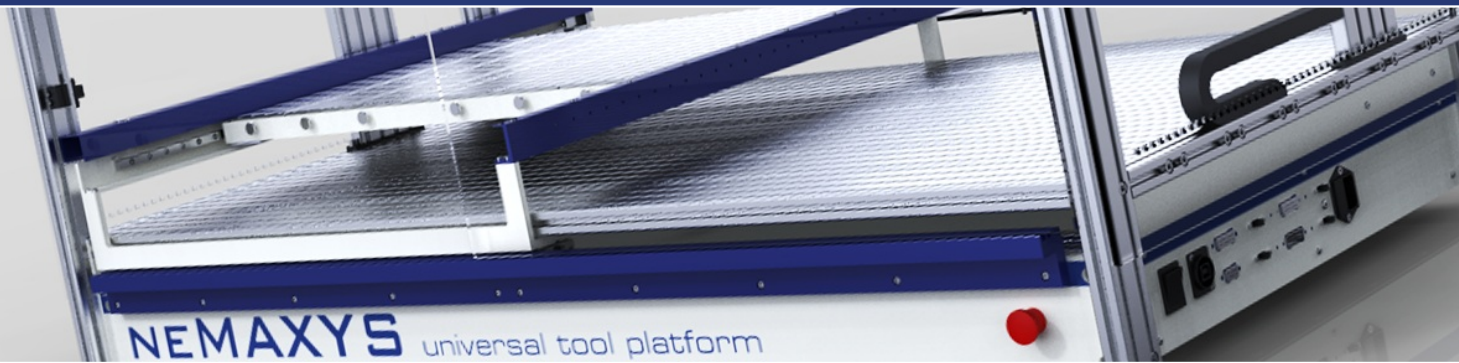


NEMAXYS

positioning technology platform



Modular and extensible positioning systems for more flexibility in your lab.

Highest precision

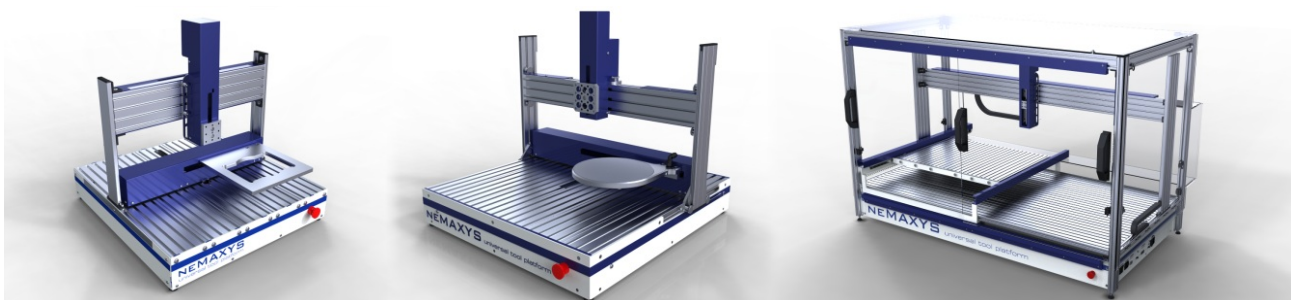
The new neMAXYS positioning systems are the perfect solution for fast and highly precise positioning tasks in your laboratory environment. The working table is movable by a fast and precise x-y-system to the desired position - micrometer accurate. But speed is not everything and so also slow and very smooth movements for transport of sensitive workpieces (i.e. reagents or titer plates) are no problem.

Customizable worktable

The worktable makes the adaption of various workpieces possible like titer plates, petri dishes, object slides and many more. Customized adaptations and changes of the table are possible at any time. We develop the perfect solution for your application.

Your benefits at a glance

- precise to micrometers x-y-system with additional z-axis
- very fast as well as very cautious movements possible
- modular - cascable up to 11 systems
- universal worktable - customized configurable
- flexible tool holder for various tools
- small required space
- easy mounting of additional tools
- many different interfaces (USB, RS232, CAN, Ethernet)
- extensive programming libraries
- extensible by further labbCAN modules (I/O, heaters, controllers, pumps)
- max. stroke (standard system): 200 x 200 x 20 mm
- max. velocity: 200 / 200 / 70 mm/s

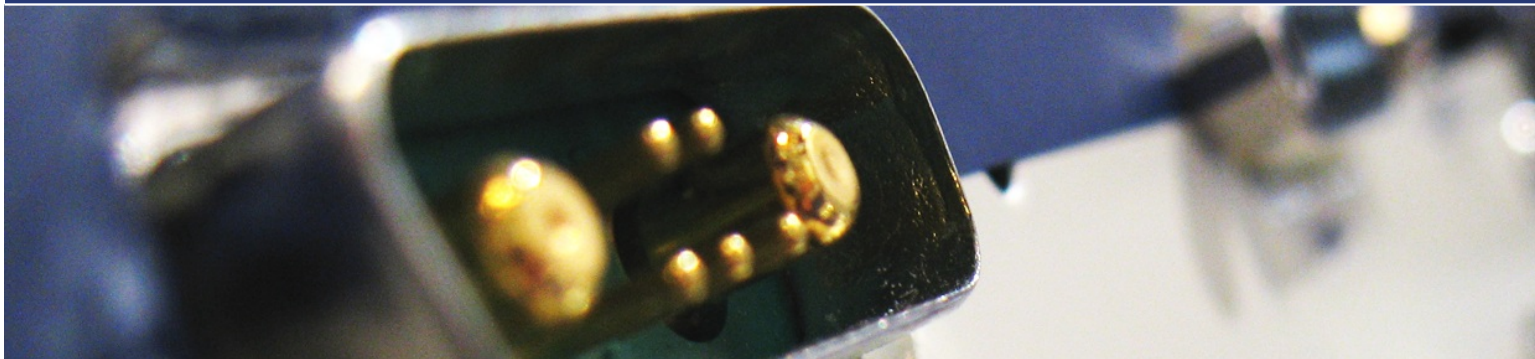


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neMAXYS sets standards in integration into customized applications

Wide variety of possibilities

The neMAXYS positioning systems offer unprecedented possibilities to you for integration into your applications. Whether you develop standard Windows applications or if you want to program in LabVIEW - we deliver the suitable libraries for that purposes.

Interfaces

- USB 2.0 / 1.1
- CAN up to 1 Mbit/s (Standard 500 Kbit/s)
- RS232 up to 115200 bit/s
- Ethernet (optional)
- TTL trigger interface

Extensibility

Extern modules like digital I/O modules, analog I/O modules, peristaltic pumps, neMESYS syringe pumps, regulating modules or heaters can be added flexibly. Up to 11 positioning systems can be added to each other. Every extension module can be integrated into Windows applications and LabVIEW by using the cetoni labbCAN library.

labbCAN Windows 32-Bit DLL

All functions like positioning, homing or status request are made available by a Windows 32-Bit DLL. This makes it easy to integrate positioning functionality into all development environments that support Windows DLLs (i.e. Visual Studio, Delphi, C++ Builder and Visual Basic).



LabVIEW Integration

The comprehensive library of VIs makes embedding of the neMAXYS positioning system into your LabVIEW environment easy as a child's play. There are ready to use VIs for all functions.



CANopen (DS402)

The system implements the CANopen device profile DS402 "Drives and Motion Control". Each single axis can be accessed by CANopen applications via the integrated CAN interface.

