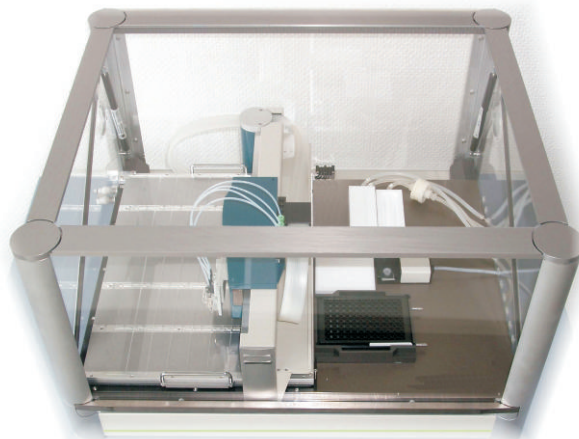


Nano-Plotter NP2.1 (NP2.1/E) Product Information

Basic information on our micropipetting stations Nano-Plotter™ is available from the dedicated product brochure. This flyer outlines technical updates of the current model Nano-Plotter™ NP2.1

Environmental Enclosure

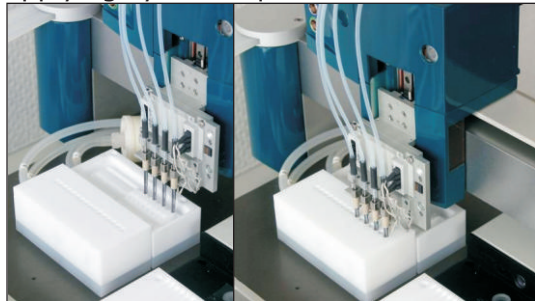
All screens of the Nano-Plotter housing can be replaced individually. The instrument comes with improved thermal heat management.



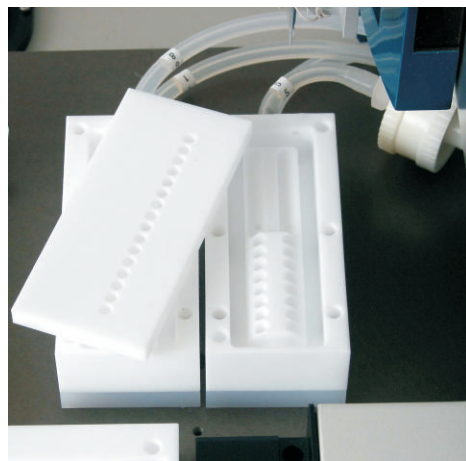
Double Wash Bowl*

For effective protein removal

Standard wash step Aspiration of a
applying system liquid wash fluid



The second - Teflon made - receptacle connects to a separate wash fluid supply



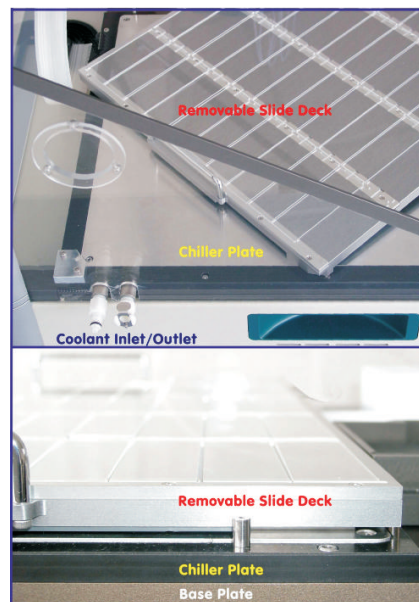
Removable Chilled Slide Tray*

The new slide decks feature a **two-level design**:

The chiller plate (Bottom level) is fixed on top of the instrument. It contains both the coolant manifold and in-/outlets.

The deck (Upper level) is placed on top of the chiller plate and ensures an effective heat transfer. It can be replaced without releasing the tube connectors.

Slide decks are available with different layouts and without chiller, respectively. Please request on separate product info.



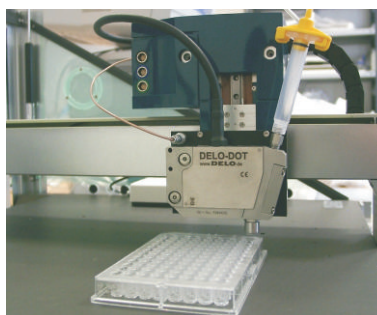
* Options



Dispensing of High Viscous Substances*

Nano-Plotter NP2.1 with a Delo-Dot Dosage Head

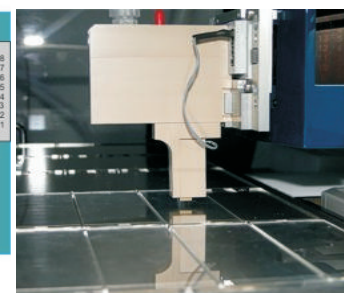
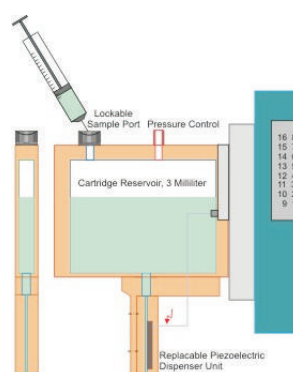
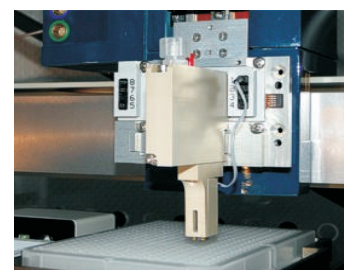
- Viscosity: 50...200000 mPas
(thixotrope, to be tested)
- Tempering: Up to 60°C (controlled)



Liquids exceeding the viscosity limit of the piezoelectric micro pipettes don't have to be kept away from the Nano-Plotter. Piezoelectric dosage heads manufactured by Delo fit to the GeSiM instruments. Drops are significantly larger (> 3nL) and sample must be fed from the back (No aspiration through the nozzle.)

Bulk Dispensing*

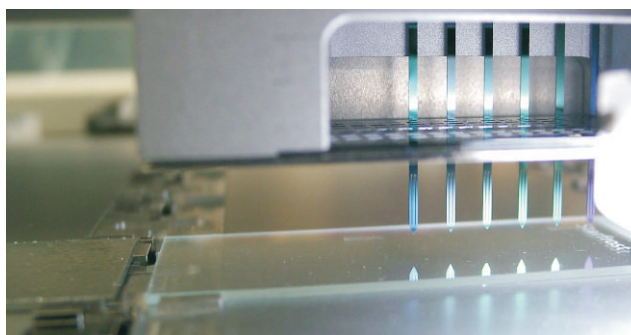
- Drop volume: (10 500) Pikoliter
- Drop frequency: 100 ... 5000 Hz, depending on sample properties
- Cartridge reservoir: 3 Milliliter
- Max. number of cartridge dispensers: 4
- Center-to-center distance(s)
between adjacent dispensers: 10 mm



The cartridge dispenser requires manual rear-side loading of samples and eliminates aspiration (of larger volumes) through the nozzle. As usually, dispenser chips for different drop volumes (down to 10 Pikoliter!) are available.

Solid Pin Printing*

The Nano-Plotter™ printhead with SMT-P75 pins from Parallel-Synthesis Inc., USA.



Non-contact or contact microarray printing? Usually contact printing allows higher throughput but piezoelectric non-contact printing gives better results. You are not sure what fits better your application? Now you can get both on one platform. The Nano-Plotter NP2.1 can be equipped with third-party solid pins.