

Slide Decks for Dispense Targets

Flexibility for your Application:

The slide decks of the Nano-Plotter™ are removable and come with grips for easy handling. Ideal for increasing the throughput, more than one removable slide deck for a given instrument allows for loading and unloading of arrays while the instrument is spotting.

The slide decks can be adapted for multiple functions. For example, the surface temperature can be maintained by an optional intermediate plate with embedded coolant manifold and temperature sensor.

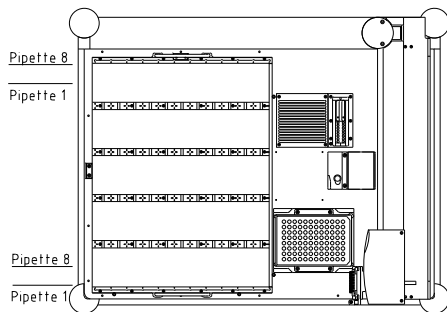
Slides

Membranes

Micro Well Plates

Chips/Slides of arbitrary size

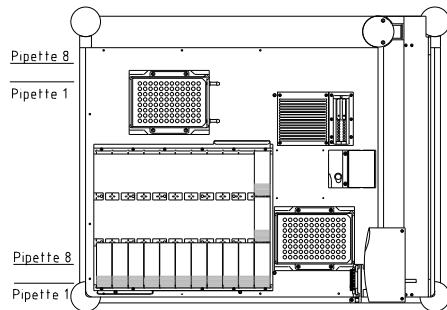
Basic Layouts



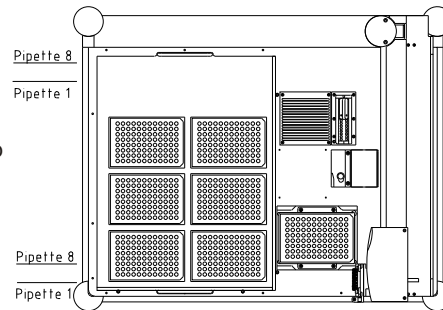
5 x 11 slides up to 26 mm x 76 mm, one source plate

Nano-Plotter™ NP2.1

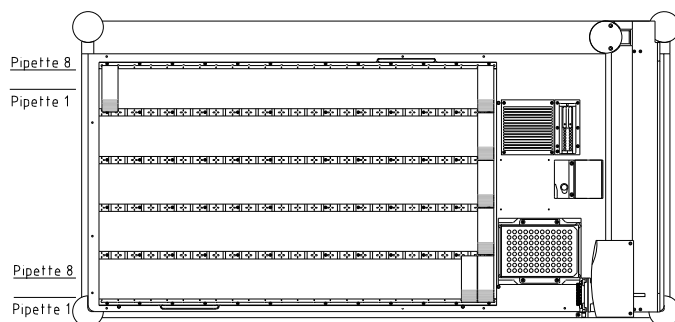
We can provide different customized designs upon request. The number of usable rows depends on the particular spotting scheme (parallel or sequential).



3 x 11 slides up to 26 mm x 76 mm, two source plates

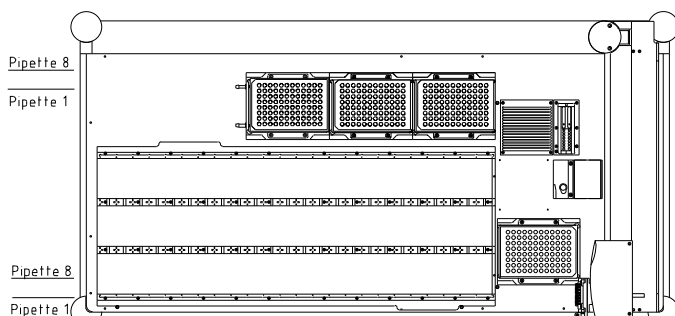


Six target plates, one source plate

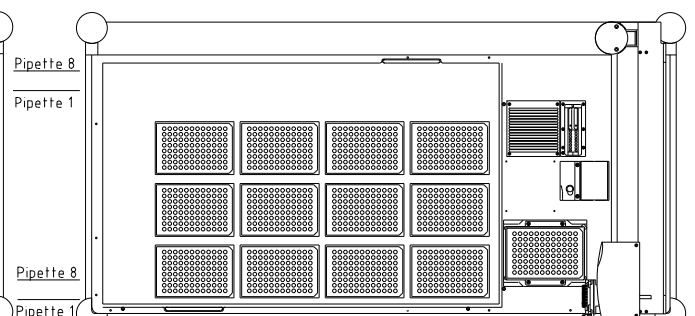


5 x 23 slides up to 26 mm x 76 mm, one source plate

Nano-Plotter™ NP2.1/E



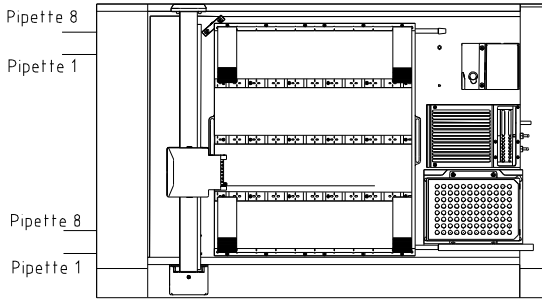
3 x 23 slides up to 26 mm x 76 mm, four source plates



12 target plates, one source plate



Nano-Plotter™ NP1.2

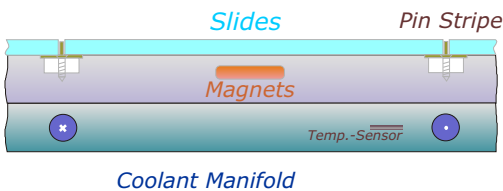
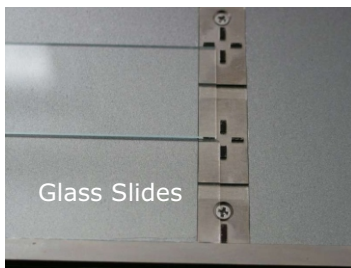


4 x 10 Slides up to 26 mm x 76 mm, one source plate

Fixation of Dispense Targets

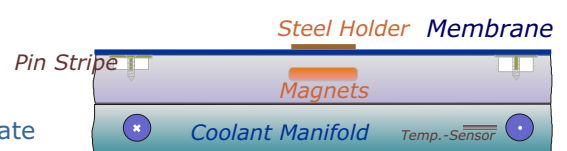
Universal

A set of pin stripes can be screwed on the decks with different orientation. Thus, it is possible to have either the pins be positioned into a grid of 26 mm by 76 mm to hold slides or the entire surface of the deck can be planar. In the latter case, thin metal bars - attracted by the embedded magnets - can be used to clamp objects of arbitrary format or hold them into position.



Configuration for standard slides

Slide Deck
Intermediate Plate



Configuration for membranes

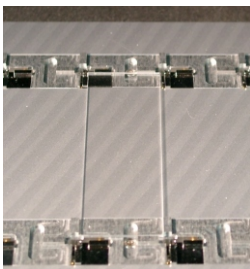
Vacuum Fixation



Configuration for standard slides

The vacuum fixation of slides and membranes is also available as an optional feature; however it can not be combined with magnetic fixation and chilling.

Spring Loaded Fixation



Alternatively, spring loaded fixation of each individual slide is available. Movable pegs adjust the slide in x- and y- direction. Loading and unloading will take more time.