Motorized Stereotaxic

SMART Add-Ons

Drill Robot

Safe Drilling with Depth Control
Sharp Edge Craniotomy

Microinjection Robot

Ultraprecise Microinjections
Robot Mode

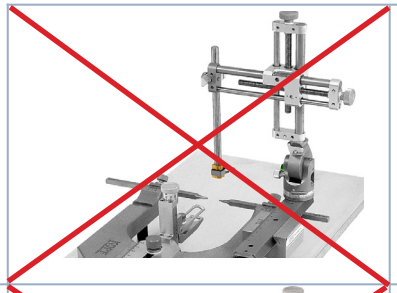
Drill & Injection Robot

One Step Drill & Injection
High-Throughput Experiments

Neurostar's Motorized Stereotaxic

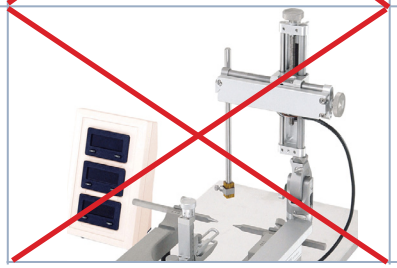
Solves all problems of older generation stereotaxic

1st generation
Manual Stereotaxic



- poor precision
- human errors
- readout and calculation errors
- no correction for inaccurate alignment
- no atlas integration

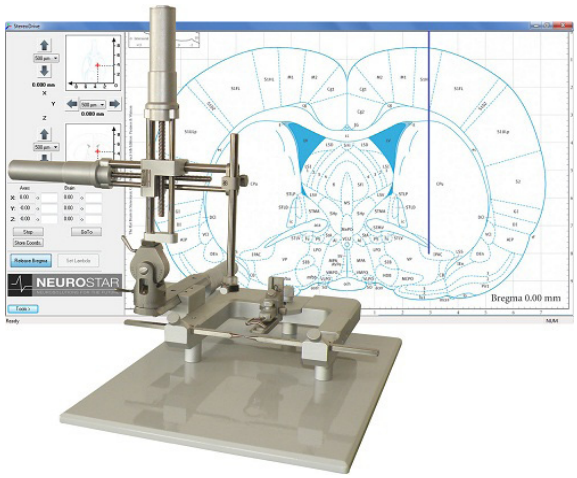
2nd generation
Digital Stereotaxic



- human errors
- position readout only
- no reproducible positioning
- no correction for inaccurate alignment
- no atlas integration

3rd generation
Motorized Stereotaxic
Invented by Neurostar

- **ultra precise**
- **time saving**
- **avoids human errors**
- **corrects for inaccurate alignment**
- **computer control with atlas integration**
- **probe visualization in the atlas space**
- **intuitive navigation**



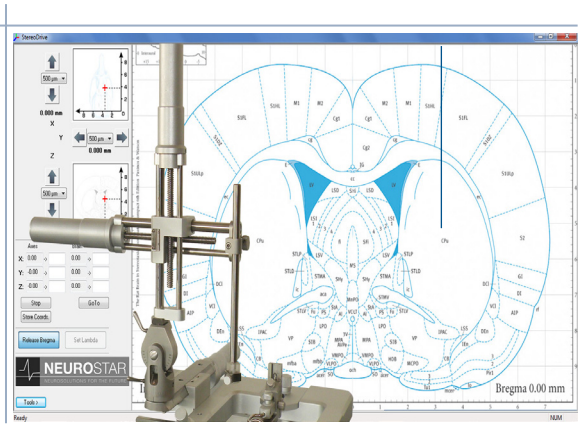
Focus on the experiment.
Avoid human induced errors.
Reach any target with micron precision.

Perform better and faster experiments using less animals.

Full software control and atlas integrated visualization makes Neurostar's Motorized Stereotaxic a must-have instrument for your daily lab routine.

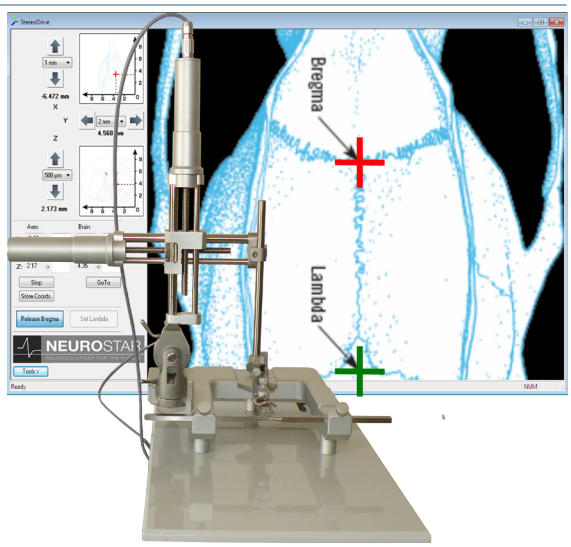
Eliminates Procedural Errors

Atlas Integration



- Neurostar's software comes with integrated atlases.
- Real-time visualization of the probe in the atlas space.
- Intuitive navigation in all three planes.

Flat-Skull Adjustment

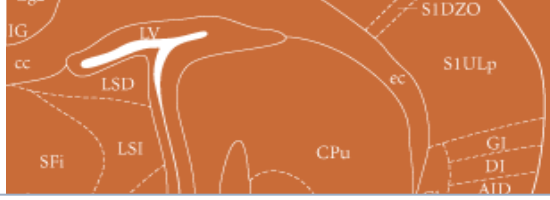


- The software compensates alignment inaccuracies if a perfect flat-skull mounting cannot be achieved.
- This solves critical issues in any surgical approach.

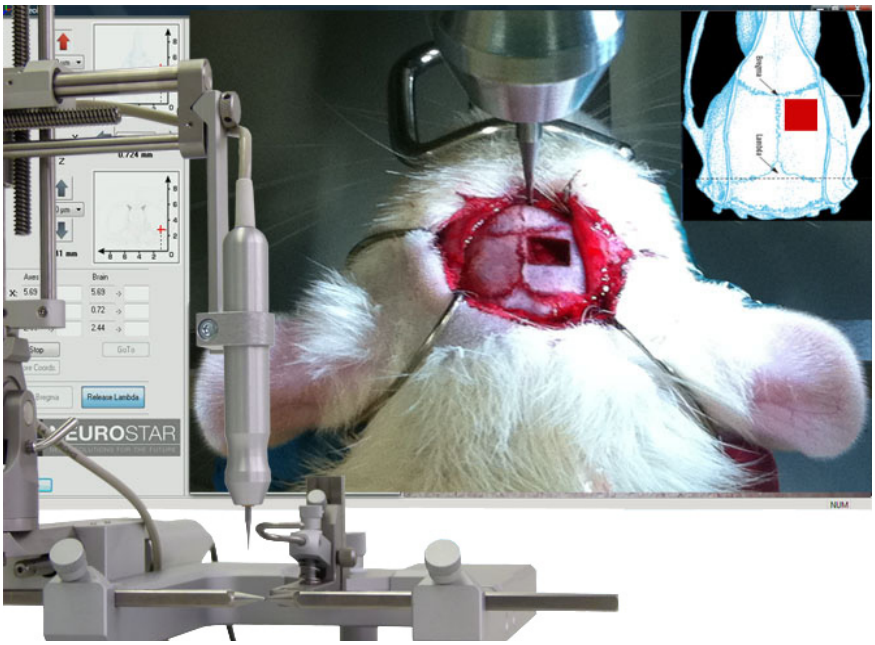
Intuitive Probe Control

- The remote control allows you to quickly position the probe on Bregma/Lambda landmark.
- You only have to focus on the animal's skull for zeroing the brain workspace according to Bregma.

SMART Add-Ons



Drill Robot

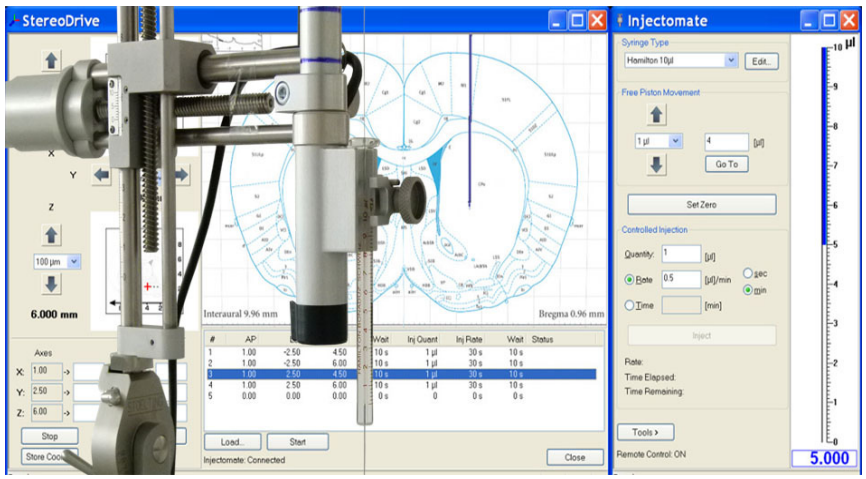


- Ultra Precise
- Works like a CNC Robot
- Safe Drilling with Depth Control
- Sharp Edge Craniotomy
- Brain Windowing
- Atlas Integration

The fully computer controlled Drill Robot ensures highest safety levels.

In contrast to traditional drilling systems the Drill Robot works like a CNC machine.

Microinjection Robot



- Picoliter Dispensing
- Multisite Injections
- Intuitive Protocol
- Syringe Library
- Robot Mode

From now on you can perform multisite microinjections.

Define your targets and the injection protocol - the Robot will then take over.

SMART Add-Ons

Drill & Injection Robot

- One Step Drill & Injection
- Time Saving
- High Throughput Experiments

Drill and inject straightforward without tool exchange or recalibration.

Perform microinjections in series of animals using a standardized automated procedure.

Motorized Stereotaxic Models

- Motorized Stereotaxic for Rats
- Motorized Stereotaxic for Mice
- Motorized Stereotaxic for Large Animals
- Dual Motorized Stereotaxic

Neurostar reinvents Stereotaxy

Ultra Precision made in Germany

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