

RWD

Scintica:

68099 II Precise Impactor

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68099 II Precise Impactor

The 68099 II Precise Impactor is an instrument used for traumatic brain injury and spinal cord injury model. The system adopts pneumatic-electric control, which can precisely adjust the speed, depth and dwell time to achieve precise impact. Touch screen design, convenient and friendly operation. The zero method uses a sensor contact mechanism to automatically detect the zero interface, which is sensitive and efficient.

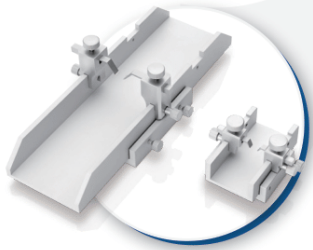


Features

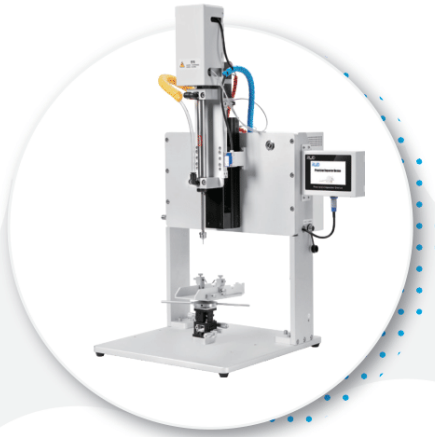
- Pneumatic-electric design, stable blow without shaking, to ensure the repeatability of the experiment;
- It is suitable for small animal brain and spinal cord injury models such as mice, rats, and guinea pigs;
- LCD touch screen, wide-angle visibility, convenient and friendly operation;
- Sound alarms and text message prompts improve the human-computer interaction between the equipment and the user, and reduce human errors in the operation process;
- The zero-contact method can automatically determine the zero interface to reduce human error;
- A variety of cylindrical flat-head head hammers with outer diameters of 1, 2, 3, 4 and 5mm, which can meet the needs of traumatic brain injury and spinal cord injury model;
- Speed calibration function to ensure the stability and repeatability of the experiment;
- Speed range is 0.5-5.6m/s, resolution 0.1m/s; depth range is 0.00-5.00mm, resolution 0.01mm; dwell time range is 0.00-5.00s, resolution 0.01s;
- The rotatable design ensures that the brain and spinal cord are hit vertically and improves the repeatability of the experiment.



Spinal Cord Injury(SCI)



Spinal Cord Adaptor



Three-axis Micro-manipulated Rotatable Platform

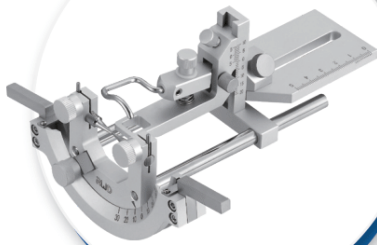
- The rat and mouse spinal cord adaptor adopts the method of supporting the spinal cord from the lower sides of the spine to avoid the depth error caused by the collapse of the animal when breathing or impacting;
- The three-axis micro-manipulated rotatable platform includes a universal adjustment device, which can adjust the level of the spinal cord to ensure vertical strikes and improve experiment repeatability.



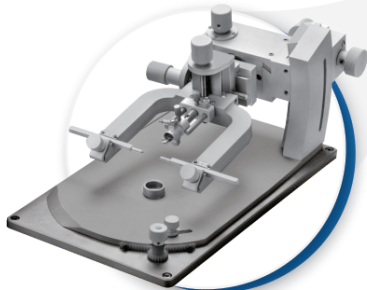
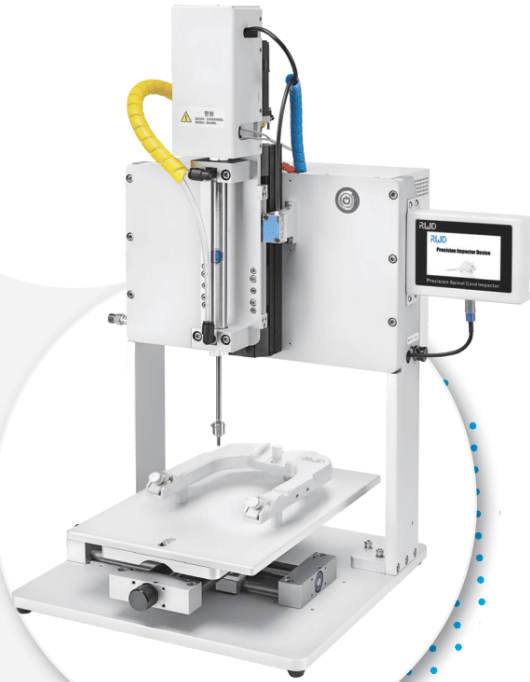
Ordering Information

Model	Products Description	Remarks
68099 II	Precise Impactor-Brain	Standard configuration (without adaptor)
68099 II -S-M	Precise Spinal Impactor for Mice	Standard configuration (including adapter)
68099 II -S-R	Precise Spinal Impactor for Rat	Standard configuration (including adapter)
68063	Rotational Rat Adaptor, 18°Ear Bars Incl.	Optional
68065	Rotational Mouse Adaptor, 60°Ear Bars Incl.	Optional
69100-03	Precise Rotational adaptor for Rat	Optional
69100-04	Precise Rotational adaptor for Mouse	Optional

Traumatic Brain Injury(TBI)



Rotational Adaptor



Precise Rotational Adaptor



Head hammers

- Two kinds of brain adaptors for rats and mice are optional. The rotational adaptor can rotate left and right $\pm 30^\circ$, the height adjustment range of $+10\sim-20\text{mm}$, and the precise rotational adaptor can rotate left and right $\pm 30^\circ$, swing up and down $\pm 10^\circ$, three-axis displacement 30mm;
- The base is movable, 0~116mm in X direction and 0~98mm in Y direction.