

PinPoint™

Precision Cortical Impactor™



Configurations



HATTERAS
INSTRUMENTS

Model Number: PCI3000

PinPoint™ is a Precision Cortical Impactor™ for inducing traumatic brain and spinal cord injuries in a medical research model.

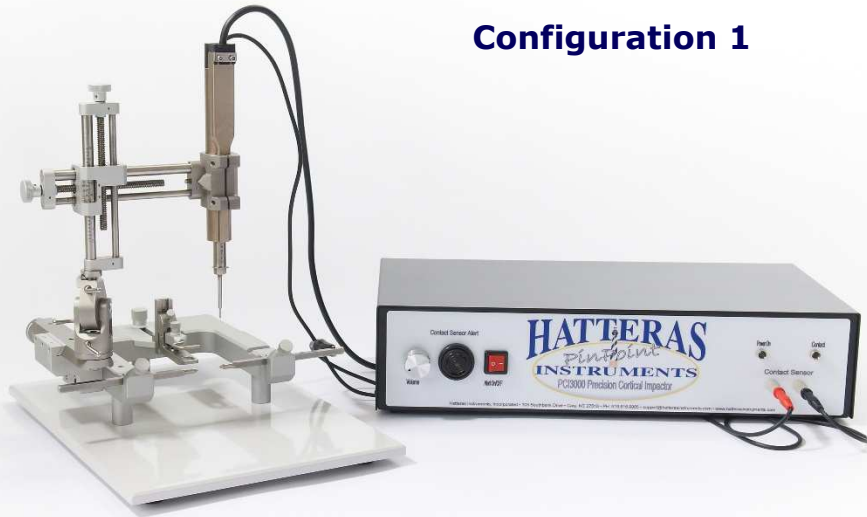
PinPoint™ Features:

- ◆ Computer controlled
- ◆ Software operated
- ◆ Adjustable impact velocity, depth, and dwell time
- ◆ Integrated contact sensor with visual and audible indicators
- ◆ Easily replicate identical impact parameters for multiple animals
- ◆ Scalable to induce same impacts on larger animals

There are three PinPoint™ Configurations



Configuration 1



Each **PinPoint™** Configuration is designed to interface with a stereotaxic frame and uses a manipulator arm to position the drive motor for impacts.

The configurations vary on how the system interacts with the stereotaxic frame and the utilized manipulator arm.

Stereotaxic frames are sold separately.

Please contact us if you would like Hatteras Instruments to supply a stereotaxic frame with your **PinPoint™** purchase.

Configuration 2



Configuration 3



Configuration 1



Components

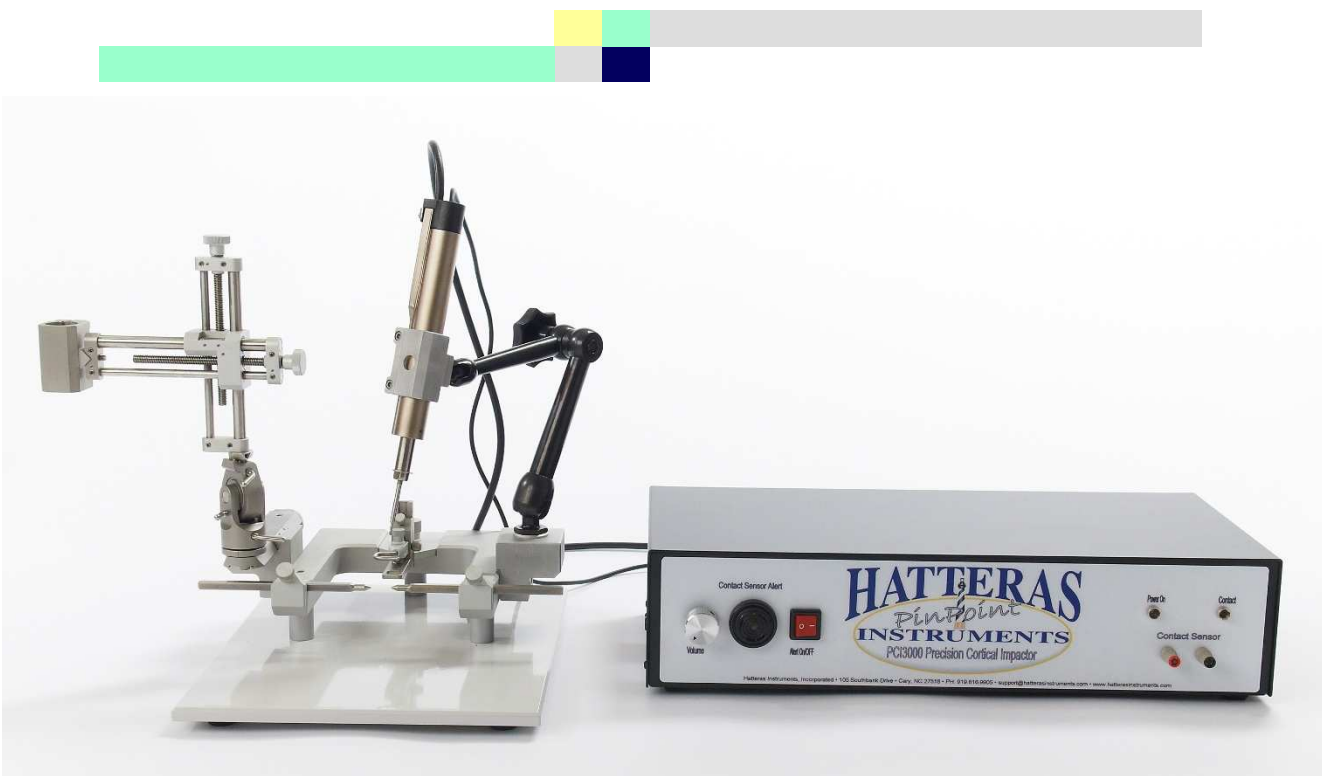
- Drive Motor
- Motor Mounting Adaptor
- Impact Tips
- Control Unit
- Software

- Uses the standard manipulator arm supplied with a stereotaxic frame to position the drive motor for impacts.
- Drive motor attaches to manipulator arm through the motor mounting adaptor.
- Simplest configuration with fewest components.
- The original **PinPoint™** design.



Configuration 2

- Uses the medium articulated support arm (ASA) to position the drive motor for impacts.
- Arm mounting adaptor attaches the medium ASA to the side of a stereotaxic frame—no need to remove the standard manipulator arm.
- Medium ASA supplies the drive motor with increased range of motion.
- ASA locks the drive motor into position providing rigid support.



Components

- Drive Motor
- Motor Mounting Adaptor
- Medium Articulated Support Arm
- Arm Mounting Adaptor
- Impact Tips
- Control Unit
- Software

Components

Drive Motor
Motor Mounting Adaptor
Large Articulated Support
Arm
Base Plate
Impact Tips
Control Unit
Software

Configuration 3



- Uses the large articulated support arm (ASA) to position the drive motor for impacts.
- Large ASA attached to base plate.
- Base plate fashions a workspace for the stereotaxic frame - no attachments necessary!
- Workspace allows user to swap out stereotaxic frames.
- Large ASA supplies the drive motor with increased range of motion.
- ASA locks the drive motor into position providing maximum rigidity.
- Ideal for larger animals and/or high volume users.

PinPoint™ Configurations

Quick Recap

	Manipulator Arm	Suggested Use
Config. 1	Standard on Frame	Small populations
Config. 2	Medium ASA	Combined use with standard manipulator arm
Config. 3	Large ASA	Large populations or animals

Components Included in a PinPoint™ Configuration									
	Drive Motor	Motor Mounting	Impact Tips	Control Unit	Software	Medium ASA	ASA Mounting	Large ASA	Base Plate
Config. 1	●	●	●	●	●				
Config. 2	●	●	●	●	●	●	●		
Config. 3	●	●	●	●	●			●	●

Thank you for your interest in
PinPoint™, Precision Cortical Impactor™!



If you have additional questions or
would like to request a quote,
please contact us at:



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