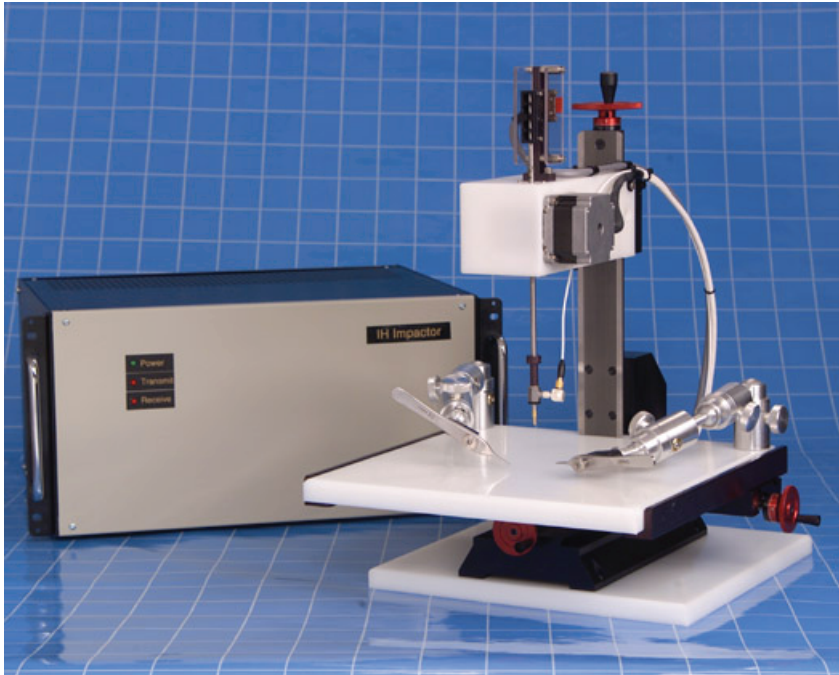


## IH-0400 Impactor



### A Contusion device specifically designed for medical research using rats and mice.

PSI engineers have developed a contusion device designed specifically for medical research using rats and mice. This system provides medical researchers specializing in spinal injury with a unique tool to evaluate the mechanisms underlying injury to spinal cord structures. This instrument enables the application of standard-force injuries to the spinal cords of small rodents. Force levels are user-selectable between 30 and 200 kDynes. The probe can also be halted at a specific force levels to model extended compression injuries. Probe force and displacement curves, as a function of time, are displayed using PC software and recorded to an experiment log file. Data can be recalled at any time to review an experiment. The system is ready to use out of the box with a user-supplied Windows 95, 2000, Me, NT or XP computer and requires minimal training.

### Specifications

#### Impactor:

- Maximum height — 19" (483mm)
- Desk top foot print X by Y — 24" (610mm) by 16" (407mm)
- Weight 30 lbs
- Power train, position sensor and force sensor installed
- 3 - 6' (1.8m) cables
- 3 axis manual position control
  - X — Range: 8" (228mm)
  - Y — Range: 3" (76mm)
  - Z — Range: 3" (76mm)
- Z axis auto range — .63" (16mm)
- Removable 12" (305mm) x 12" (305mm) fixation plate
- Addson micro- forceps
- 12" (305mm) x 12" (305mm) base

#### Control Cabinet:

- Control cabinet 19" (483mm) x 8-3/4" (222mm) x 15" (380mm)
- Weight 45 lbs
- 120/240VAC 50/60Hz 10AMP

#### Removable Impact Tips:

- Standard mouse tip size — 1.3mm
- Standard rat tip size — 2.5mm
- Custom tip sizes made to order

#### System Software:

- Windows 95, 2000, ME, NT, or XP compatible. User-supplied computer.
- Standard 9 pin serial port
- Programmable force levels 30 to 300 kDynes
- Programmable hold time
- Display: Force, displacement, velocity, Force and displacement curves Vs time.
- Experiment log file for data recall.