

STEREOTAXIC ALIGNMENT SYSTEM



David Kopf Instruments is proud to present the Stereotaxic Alignment System originally designed and developed by Joseph Saracione, Cartesian Research Inc.

Our patented **Stereotaxic Alignment System** provides the ability to refine and manipulate the position of the head in 3 dimensional space,

independent of the clamping features of the head holding device, prior to exploring inside the head and brain.

The unique design allows maximum stereotaxic adjustment for positioning the animals head, Dorsal/Ventral, Dorsal Tilt, Coronal Tilt, Anterior/

Posterior and midline alignment (nose left/nose right). Additionally, the instrument provides dimensional output of each of these axes of manipulation with .010 mm resolution.

Offering a new level of precision and accuracy our Micro Manipulator provides 1 micron resolution linear glass scales with digital display readout, proving this instrument to be the most advanced manual manipulator available today.

The precise manner in which this instrument was designed and is manufactured insures that the researcher will be able to make precise, repeatable and efficient stereotaxic placements.

Our quick change tool holder allows you to attach any stereotaxic alignment tool and maintain an exact common vertical centerline position tool-to-tool.

This valuable feature will assist in reducing surgical time, increase hit rates and greatly reduce potential time consuming errors.

The Stereotaxic Alignment System manufactured by David Kopf Instruments is protected under patent number U.S. 6,258,103 and patent number U.S. 6,716,220.

(Additional tool attachments may be necessary based on individual surgical requirements)

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Recommended Instrumentation

Model 1900 Stereotaxic Alignment System

Includes:

- **Model 1900-C** Stereotaxic Frame Assembly
- **Model 1900-B** Head Holder Assembly with Sagittal Plate
- **Model 1923-B** Mouse Gas Anesthesia Head Holder
- **Model 1922** 60° Non-Rupture Tip Mouse Ear Bars
- **Model 1900-51** Centering Height Gage

Model 1905 Alignment Indicator

Model 1910 Dial Test Indicator

Model 1911 Stereotaxic Drilling Unit

Model 1915 Centering Scope 40X

Model 1940 Micro Manipulator with Digital Display Readout 1 micron resolution, 3-axis

Stereotaxic Alignment System Products

Model 1900 Stereotaxic Alignment Instrument

Model 1901 Adjustable Stage Platform

Model 1905 Alignment Indicator

Model 1910 Dial Test Indicator

Model 1911 Stereotaxic Drilling Unit

Model 1915 Centering Scope 40X

Model 1922 Non-Rupture 60° Tip Mouse Ear Bars

Model 1923-B Mouse Gas Anesthesia Head Holder

Model 1925 Angle Adapter 15°

Model 1929-B Rat Gas Anesthesia Head Holder

Model 1940 Micro Manipulator with Digital Display 1 micron resolution, 3-axis

Model 1950 Off-Plane Insertion Tool Adapter

Model 1955 Non-Rupture 45° Tip Rat Ear Bars

Model 1957 18° Tip Rat Ear Bars

Model 1960 Micro Manipulator 10 micron resolution, 3-Axis (vernier scale)

Model 1966 Cannula Holder (Alzet/Plastics One)

Model 1970 Electrode Holder

Model 1971 Syringe Pump Adapter

Model 1972 Syringe Holder

Model 1973 Dual Cannula Insertion Tool

Model 1974 Single Cannula Insertion Tool

Model 1975 Glass Pipette Holder

PHYSIOLOGY & NEUROSCIENCE