



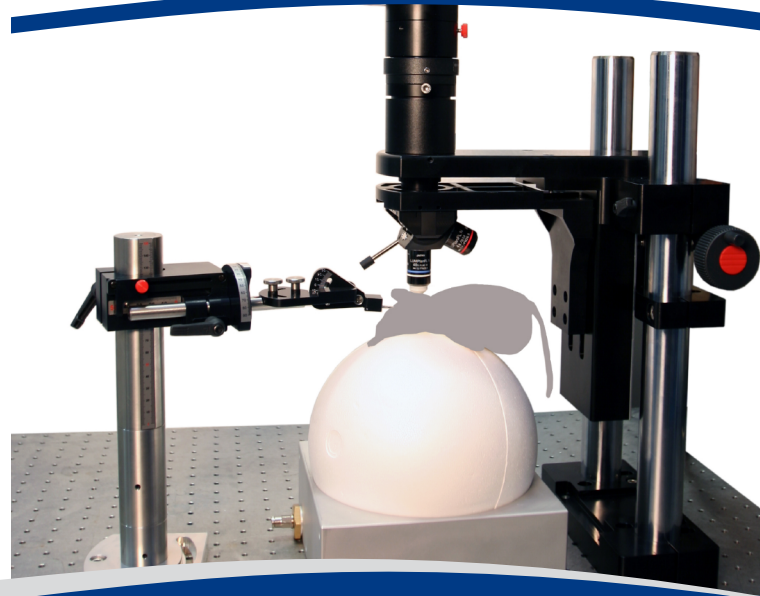
Luigs & Neumann

Technology | Innovation | Manufacturing



Luigs & Neumann

Since the early eighties Luigs & Neumann has established itself as well known developer and producer of electrophysiological workstations. This wealth of experience and the feedback from scientists from all over the world are the basis of the high engineering standards and manufacturing quality of Luigs & Neumann. Our broad product range and the ability to create customer specific setups are a result of our flexible and innovative adaption to new scientific requirements. Our array of product includes patch manipulators, bath chamber systems and optical components as well as moving tables for 2-photon-systems and InVivo setups.



Special features for the LNscopes

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Special features for the LNscopes

The LN-microscopes contains of the following features:

- » Super optical imaging properties by using original microscope components
- » Upgrade and retrofit of accessories from Olympus for the upright microscope BX51WI
- » Suitable for microscopy tasks like bright field, imaging, laser scanning e.g. two-photon system
- » motorized focus
- » motorized positioning of the condenser (optional)
- » flexible design of modular microscope body allows:
 - stepless height adjustment of objective and reflected light illuminator by a manual Z-Drive allows working with different heights of probes and platforms
 - fast exchange device for condenser and condenser carrier for the use of InVivo and InVitro platforms
 - Easy removal of the transmission light device for even more space while InVivo system like reality jet ball system or treadmill are used
- » Sturdy construction with stainless steel guide columns, results in an outstanding stability, thermal drift and vibration free behaviour.
- » Slim design for the use of up to 16 manipulator units
- » Ground connection for electrophysiological measurements
- » Z-Drive compatible with LN controls (e.g. SM7, Junior units)

Advantages over competitors

- » the modular design of the microscope covers all task fields for which different microscope types are needed in the past
 - InVitro (slice and hole cell measures)
 - InVivo (imaging and measurements of anesthetized animals on platforms or stereotaxic frame)
 - InVivo (imaging and measurements of awake animals on stereotaxic frame, ball jet reality systems, treadmills or Mobile home cage system)
- » compatible with controls of LN manipulators. The customer can use one control for Microscope and Manipulator
- » stepless height adjustment of objective and reflected light illuminator by a manual Z-Drive for maximum flexibility in height
- » ground connection for electrophysiological measurements
- » customized designs are easy to implement and available on request due to the modular design

