

## Traversing Systems



### Features:

- Closed-loop DC motor control with high-resolution optical encoder for max. accuracy
- Control of up to three axes per controller
- Complete range of traversing units, from 200 to 2000mm travel
- RS 232 interface
- Standalone software option

In LDV and PIV, probes, cameras and laser optics will at time require repeatable and precise positioning that can be changed at will. For this purpose ILA offer an extensive range of traversing hardware and software covering a large range of loads, from grams to hundreds of kilograms, and travel distance up to 2m. The systems come complete with control electronics and user-friendly software. Up to three different DC-motor driven axes can be driven from a single control unit. More than one control unit can be handled by the software. All ILA traversing systems use DC motor technology combined with gear box torque magnification and closed-loop position feedback by an incremental encoder. Closed-loop position feedback results in outstandingly accurate positioning.



## Motion Controller Specifications



- Number of axes: up to 3 per controller (a second controller can be added for positioning systems requiring more than 3 axes)
- Modular design: easy and cost-effective installation of additional axes
- Closed-loop control for high positioning accuracy: +/- 0.005mm
- User-friendly configuration via ILA's own standalone motion control software
  
- Power supply: 230V AC mains
- Enclosure: 19 inch rack -compatible

