

# profile projectors – horizontal bench top



**Fusion-2:**  
PC software option  
shows SPC data

## R400 Profile Projector

### Standard features:

- 0.5 micron X, Y measuring resolution
- 400mm (16") screen with 90 degree crosslines and chart clips
- Profile illumination with halogen lamp and green filter
- Surface illumination (fibre optic)
- Helix adjustment of light source  $\pm 7^\circ$  for accurate thread form projection
- Cast iron workstage with two machined slots for holding accessories
- Workstage measuring range of 300mm (12") x 150mm (6")
- Digital angle measurement to 1 minute of arc
- Digital clock function

### Optional features:

- Corrected image optics (*shown*)
- Internally fitted automatic edge sensor (*shown*)
- Swing-over lamphouse to allow clear access to the workstage
- Cabinet stand ensures a solid base and provides storage
- Computer numerical control (CNC) for automated measuring
- Other options include footswitch control and printer
- Full work holding accessories (page 28)
- Extended lamphouse for larger components

### Measuring Options:

**XLS:** A simple 2 axis digital readout for X and Y measurement

**GXL:** Incorporates geometric functions for skew alignment, angle, radii measurement, pitch circle diameter and construction of intersect points etc.

**GXL-E:** As GXL with screen mounted automatic profile edge sensor. As an option the sensor can be fitted internally.

**Fusion-2:** PC based measuring system produces dimensioned part drawing. Includes geometric tolerancing, SPC, full reporting with pass/fail analysis, auto Excel™ link and auto sequence program.

**Fusion-2E:** As Fusion but supplied with screen mounted automatic edge detector. As an option the sensor can be fitted internally.

**GXL-5205:** PC based measuring system features geometric construction, tolerancing, part sequence program, auto storage or measured features, measure magic and capture scanning mode.