

3-dimensional measurement device for chairs with integrated lifting equipment for the seat weight



3D measurement device for swivel chairs, chairs, stools, armchairs and cantilever chairs acc. to EN 1335, EN 1728, EN 1729, EN 581-2-3, EN 13761, DIN 68878 und BIFMA X5.1, with integrated pneumatic lifting equipment for the seat weight. Based on the indication of positions in the testing procedures it is possible to mark the load loci on the specimen with the help of this measurement device.

consisting of:

- 1 frame (with base plate) constructed as 4 column portal, **moveable**
- 1 base plate 1200mm x 1200mm, 12mm thick, zinc-plated, borehole pattern
- 1 pneumatic stroke cylinder device for the **easy positioning** of the seat shape, max lifting height 500mm
- 1 seat shape, acc. to DIN 4551 and EN 1335-1, weight 64 kg
- 3 separately moveable measuring axes with lock; the vertical axis has a counterweight
- **3 digital measurement devices**, for the determination of the seat dimensions acc. to standards;
includes distance measurement
- 1 vertical measuring range, 300mm to 1100mm above base plate (difference and absolute height)
- 1 horizontal measuring range, ± 500 mm from the middle (difference and absolute distance to the middle)
- 1 swivelling control cabinet with a display for each of the three measuring axes
- fasteners for chairs, swivel chairs and cantilever chairs