TRIOPTICS
See the Difference

Technical data OptiCentric® complete systems

	OptiCentric® Bonding Station 2D	OptiCentric® Bonding Station 5D
Application	Bonding in 2 degrees of freedom, Alignment with three actuators	
Max. diameter of the lens	200 mm	10 mm ... 150 mm1)
Max. diameter of the cell	10 mm … 200 mm	20 mm ... 260 mm1)
Lens weight	< 10 kg	1 kg1)
Cell weight	< 10 kg	20 kg1)
Measurement in reflection	Yes	
Positioning accuracy	x or y: 2 µm	x,y,z: < 1 µm2) Θx, Θy < 2 arcsec
Process time	2 min1), 2)	< 5 min2), 3) (incl. loading)
Air bearing	Yes	
Motorized stage	Yes	
Measuring accuracy	x/y < 0.1 µm z No (optional Cell < 0.2µm	x/y < 0.1 µm2) z < ± 1 µm Cell < 0.2 µm
Visual measurement head	Yes	
OptiSurf integration	Optional	
Dimensions (h x w x d)	2,500 mm x 2,000 mm x 700 mm	2,000 mm x 1,800 mm x 1,000 mm
Weight	300 kg	350 kg

1) depending on lens geometry
1) others on request
2) without UV curing
2) Depending on sample geometry
3) Without UV curing and depending on defined process steps

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