

InfiniteFocus X-Large

Alicona's X-Large versions of InfiniteFocus are used for high resolution, optical 3D measurement of large and heavy components. The systems differ in possible XY travel ranges and max. measurable weight of components. The available spectrum of InfiniteFocus X-Large solutions includes travel ranges of (mm) 500 x 500 and 1000 x 1000 with a maximum weight of up to 200kg – more on request. X-Large systems are used for automatic defect analysis of large measurement fields or dimensional measurement of laser structured geometries on printing plates. With an automation interface, InfiniteFocus X-Large systems are also applied for fully automatic measurement in production.

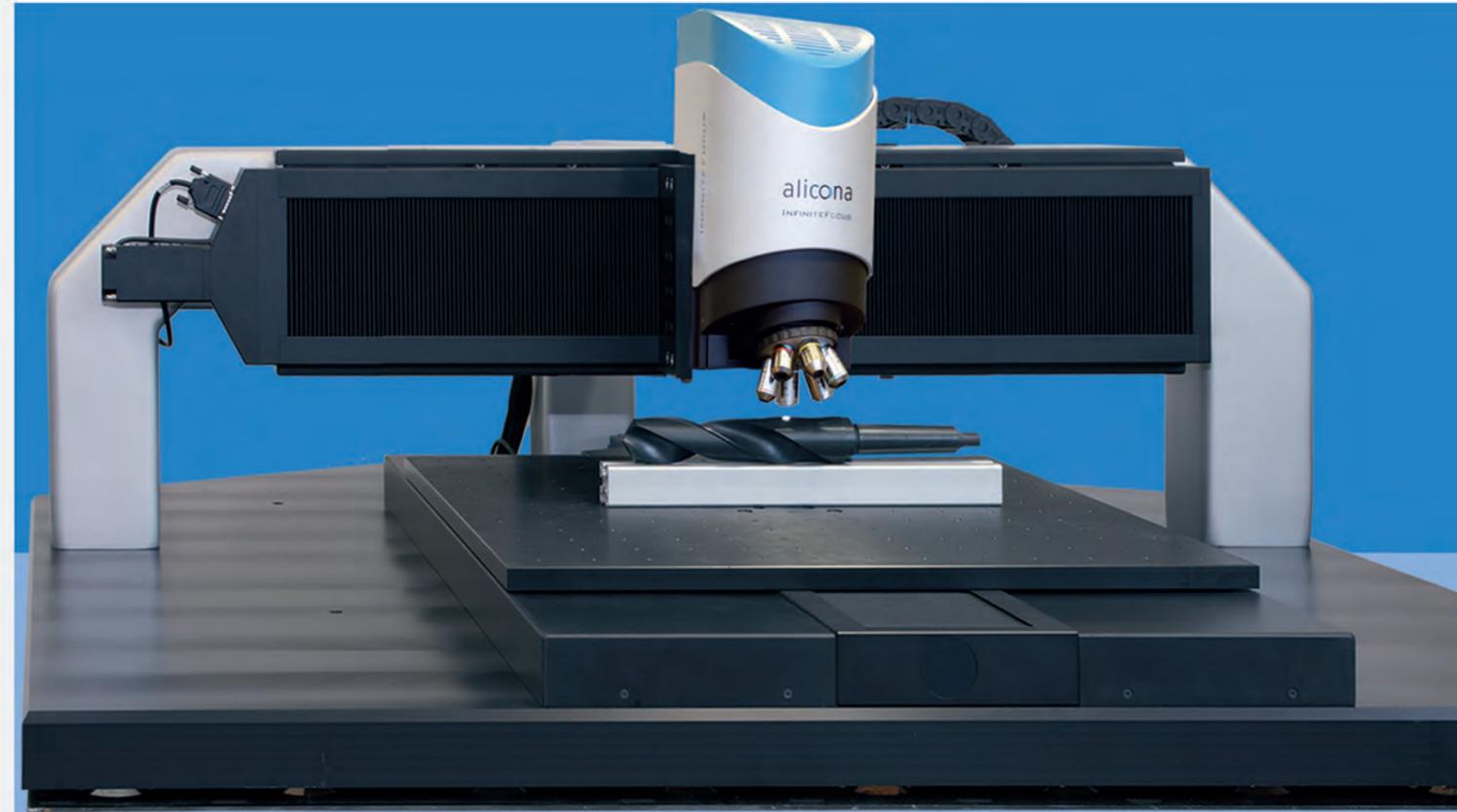
InfiniteFocus X-Large 1000

GENERAL SPECIFICATIONS

Positioning volume (X x Y x Z)	1000 mm x 1000 mm x 100 mm = 100 million mm ³
Coaxial illumination	white LED coaxial illumination, high-power, electronically controllable
Ring light illumination (optional)	white LED high-power ring light, 24 segments, wireless, snap-on system
Dimensions (W x D x H)	measurement instrument: 1680 mm x 785 mm x 1700 mm; ControlServerHP: 200 mm x 485 mm x 440 mm
Mass	measurement instrument: 3080 kg; ControlServerHP: 19 kg
Objectives	2.5x, 5x, 10x, 20x, 50x, 100x

MEASUREMENT OBJECT

Surface texture	surface topography Ra above 0.009 µm with λ _c 2 µm; depending on surface structure
Max. height	100 mm; more on request
Max. size	1000 mm x 1000 mm
Max. weight	200 kg
Preparation	none



InfiniteFocus X-Large 500

GENERAL SPECIFICATIONS

Positioning volume (X x Y x Z)	500 mm x 500 mm x 100 mm = 25 million mm ³
Coaxial illumination	white LED coaxial illumination, high-power, electronically controllable
Ring light illumination (optional)	white LED high-power ring light, 24 segments, wireless, snap-on system
Dimensions (W x D x H)	measurement instrument: 900 mm x 1100 mm x 800 mm; ControlServerHP: 200 mm x 485 mm x 440 mm
Mass	measurement instrument: 500 kg; ControlServerHP: 19 kg
Objectives	2.5x, 5x, 10x, 20x, 50x, 100x

MEASUREMENT OBJECT

Surface texture	surface topography Ra above 0.009 µm with λ _c 2 µm; depending on surface structure
Max. height	100 mm; more on request
Max. size	500 mm x 500 mm