

Technical data ATS

	ATS 100	ATS 200	ATS 200 UP	ATS 300 UP
Machine type	Mineral casting base	Granite frame	Granite frame	Granite frame
Spindle	Aerostatic	Aerostatic	Hydrostatic	Hydrostatic
Workpiece diameter	Up to 100 mm	Up to 200 mm	Up to 200 mm	Up to 300 mm
Max. workpiece weight ¹	3 kg	5 kg	10 kg	15 kg
Workpiece material	Brass, aluminum, NiP-Steel	Brass, aluminum, NiP-Steel	Brass, aluminum, NiP-Steel, invar, titan, steel	Brass, aluminum, NiP-Steel, invar, titan, steel
Production accuracy	Up to < 2.5 μm	Up to < 1.0 μm	Up to < 0.5 μm	Up to < 0.5 μm
Dimensions (h x w x d)	Ca. 2.00 m x 1.00 m x 1.00 m	Ca. 2.20 m 1.55 m x 1.10 m	Ca. 2.20 m 1.55 m x 1.10 m + 1.65 m x 0.87 m x 0.65 m	Ca. 2.20 m 1.85 m x 1.10 m + 1.65 m x 0.87 m x 0.65 m
Weight	Approx. 1,400 kg	Approx. 2,500 kg	Approx. 2,500 kg	Approx. 2,700 kg
Type	Stand alone	Stand alone	Stand alone	Stand alone

¹ Depending on the design of the workpiece and the machining parameters (in particular the spindle velocity)

Technical data ATS upgrade for Precitech Nanoform X

	Alignment turning on Precitech Nanoform X
Workpiece diameter	Up to 100 mm, up to 200 mm without diameter measurement
Workpiece material	Brass, aluminum, NiP-Steel
Relative accuracy for flatness and roundness	1 μm
Absolute turning accuracy for the flange surfaces	1 μm
Absolute turning accuracy for the diameter	2 μm
Residual error optical axis to mounting (at maximum offset of 250 μm)	< 2 μm