High-Speed 3D Scanner
Technical Data

The ATOS 5 and ATOS 5X systems capture up to 2× 12 million coordinate points during scanning. This means that the precision, resolution, and measuring area size can be freely defined. This also permits very high resolution in small, detailed components as well as very rapid digitizing of large components.

	ATOS 5 (12M)	ATOS 5 (8M)	ATOS 5X
Light source	LED	LED	LD
Laser class	—	—	2 / 3B *
Measuring area [mm²]	170×140 – 1000×800	170×140 – 1000×800	320×250 – 1000×800
Working distance [mm]	880	880	880
Measuring points per scan	12 million	8 million	12 million
Dimensions [mm]	approx. 550×320×200	approx. 550×320×200	approx. 550×320×200
Temperature range	+5 °C to +35 °C, non-condensing		

* according to standard IEC 60825-1: In 2014, classified as a Class 2 laser in automated use and as a Class 3B laser in manual use (safety distance without safety goggles > 700 mm).

ATOS ScanBox with ATOS 5 and ATOS 5X

Four ATOS ScanBox models are available for a wide range of different applications. This allows small, complex components of up to 500 mm in size to be measured and two-sided measurements of larger and heavier components of up to 6,000 mm to be carried out. The modular structure of the ATOS ScanBox Series 7 and 8 enables a demand-oriented extension of the ATOS ScanBox both within the series as well as from series 7 to series 8.

	ATOS ScanBox 5108	ATOS ScanBox 5120
Dimensions [mm³]	2000×2550×2700	3300×3300×2700
Max. part size [mm]	Ø 800	Ø 2000
Max. part weight [kg]	300	500
Opening width [mm]	800	1400
Sensor compatibility	ATOS 5	ATOS 5

	ATOS ScanBox 6130	ATOS ScanBox 6135	ATOS ScanBox 6235
Dimensions [mm³]	4250 × 4250 × 2700	4500 × 4500 × 3026	7665 × 4500 × 3026
Max. part size [mm]	Ø 3000	Ø 3500	2× Ø 3500 mm
Max. part weight [kg]	2000	5000	2× 5000
Opening width [mm]	3100	2850	2850
Sensor compatibility	ATOS 5	ATOS 5, ATOS 5X	ATOS 5, ATOS 5X

	ATOS ScanBox 7160	ATOS ScanBox 7260
Dimensions [mm³]	4750 × 10150 × 3900	8750 × 10150 × 3900
Max. part size [mm]	6000 × 1250	6000 × 1250, rotation table working area up to Ø 3000
Max. part weight [kg]	unlimited	unlimited, rotation table working area up to 2000
Opening width [mm]	3050	3050, rotation table working area 3400
Sensor compatibility	ATOS 5, ATOS 5X	ATOS 5, ATOS 5X

	ATOS ScanBox 8160	ATOS ScanBox 8260	ATOS ScanBox 8360
Dimensions [mm³]	5750 × 10150 × 3900	9750 × 10150 × 3900	13750 × 10150 × 3900
Max. part size [mm]	6000 × 2500	6000 × 2500, rotation table working area up to Ø 3000	
Max. part weight [kg]	unlimited	unlimited, rotation table working area up to 2000	
Opening width [mm]	3050	3050, rotation table working area 3400	
Sensor compatibility	ATOS 5, ATOS 5X	ATOS 5, ATOS 5X	ATOS 5, ATOS 5X