

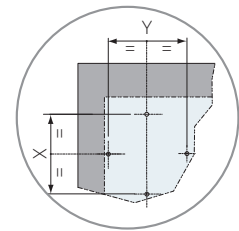
GLOBAL S and Advantage

Overall dimensions

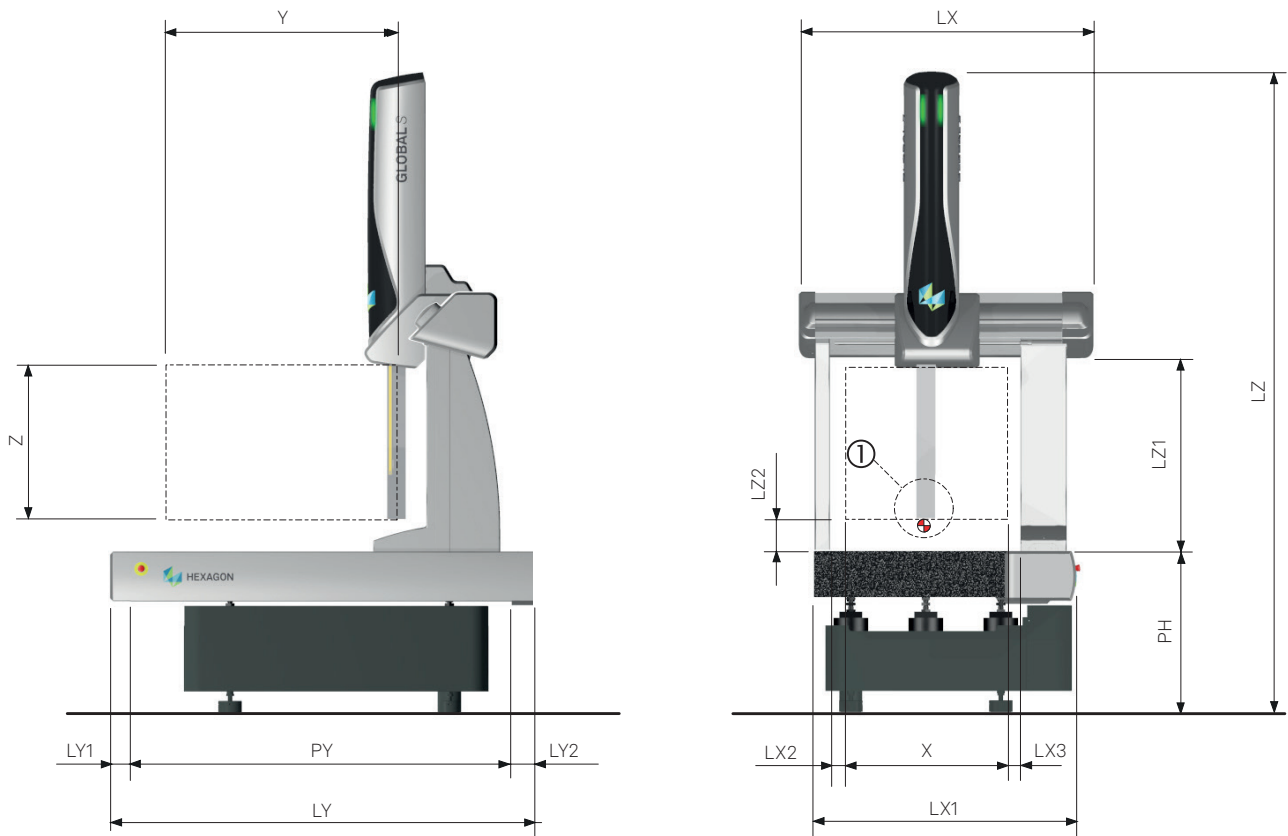
Version 2023-2

GLOBAL: Technical characteristics

Mechanical frame		X: Micromachined anodized light alloy extrusion Y: Integral dovetail guideways, machined into the table Z: Micromachined anodized light alloy extrusion 20.xx.15: silicon carbide
Surface plate		Material: Granite Flatness: according to DIN 876/III Part Locking: threaded inserts M8 x 1.25 Diagonally staggered hole pattern: GLOBAL S 05.YY.05: X = 350 mm ; Y= 150 mm GLOBAL S 07.07.05 - 07.10.07: X = 300 mm ; Y= 300 mm GLOBAL S from 09.YY.08: X = 350 mm ; Y= 350 mm GLOBAL Advantage: X = 300 mm ; Y= 300 mm
Sliding system		Air bearings on all axes
Measuring system		METALLUR® linear scales. System resolution: 0.005 µm
Temperature compensation		Extended temperature 16 - 26 °C: Multi-sensor technology Shop floor temperature 15 - 30°C: Structural multi-sensor technology
Ram counterbalance		Pneumatic, adjustable
Controller		Standard or I/O-Ready, IP5 4
Supply requirements	Power Air	100/120/220/240 V ± 10% - 50/60 Hz - 1.6 KVA 0.5 MPa minimum - Class 4 according to ISO 8573/1
Consumption	Power Air	0.35 KVAh or 0.5 KVAh 70 NI/min (for 05.YY.05); 90 NI/min; 160 NI/min (GLOBAL Advantage)
Operating specifications		Ambient temperature: 10 - 40 °C Relative humidity: 20% - 90 % non-condensing



GLOBAL S: Overall dimensions



	05.05.05	05.07.05	07.07.05	07.10.07	09.12.08	09.15.08	09.20.08	12.15.10	12.22.10	12.30.10	15.22.10	15.30.10
X	500	500	700	700	900	900	900	1200	1200	1200	1500	1500
Y	500	700	700	1000	1200	1500	2000	1500	2200	3000	2200	3000
Z ¹⁾	500	500	500	660	800	800	800	1000	1000	1000	1000	1000
LX ²⁾	1024	1024	1277	1277	1598	1598	1598	1898	1898	1898	2198	2198
LX1	908	908	1135	1135	1475	1475	1475	1757	1757	1757	2057	2057
LX2	61	61	66	66	70	70	70	70	70	70	70	70
LX3	70	70	60	60	69	69	69	60	60	60	69	69
LY	1258	1458	1608	1908	2455	2755	3255	2906	3606	4406	3605	4405
LY1	108	108	90	90	212	212	212	213	213	213	213	213
LY2	160	160	168	168	213	213	213	213	213	213	213	213
LZ	2540	2540	2438	2777	3150	3150	3150	3513	3488	3513	3488	3513
LZ1 ²⁾	678	678	679	839	934	934	934	1170	1170	1170	1170	1170
LZ2	130	130	140	140	117	117	117	150	150	150	150	150
PH	800	800	680	700	700	700	700	625	600	625	600	600
PY	990	1190	1350	1650	2030	2330	2830	2480	3180	3980	3180	3980
Max. part weight	230	230	900	900	1300	1500	1800	1800	2250	2250	2250	2250
CMM weight approx.	510	625	960	1265	2215	2455	2855	3850	5750	7650	6700	8930

GLOBAL: Minimum door opening requirements

Standard size frames	Machine maximum overall dimension Width (mm)	Height (mm) ¹⁾
05.05.05 - 05.07.05	1041	1880
07.07.05	1277	1780
07.10.07	1277	2777
09.12.08 - 09.15.08 - 09.20.08	1610	1680
12.15.10 - 12.22.10 - 12.30.10	1898	1980 - 2040 - 2065
15.22.10 - 15.30.10	2198	2040 - 2065
15.26.14 - 15.33.14	2360	2470
20.33.15 - 20-40-15	2860	2455

¹⁾ Minimum Height is listed w/o the CMM stand for Global 05.YY.05 , 07.YY.05, 07.YY.07 series and w/o pedestals for the Global 09.YY.08 and 15.YY.10 series.

Dimensions shown are from the highest point at the top of the CMM to the lowest point on the CMM as in shipped condition.

Dimensions shown do not include lifting equipment.

Dimensions shown are with 25 mm minimum clearance all around.

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