

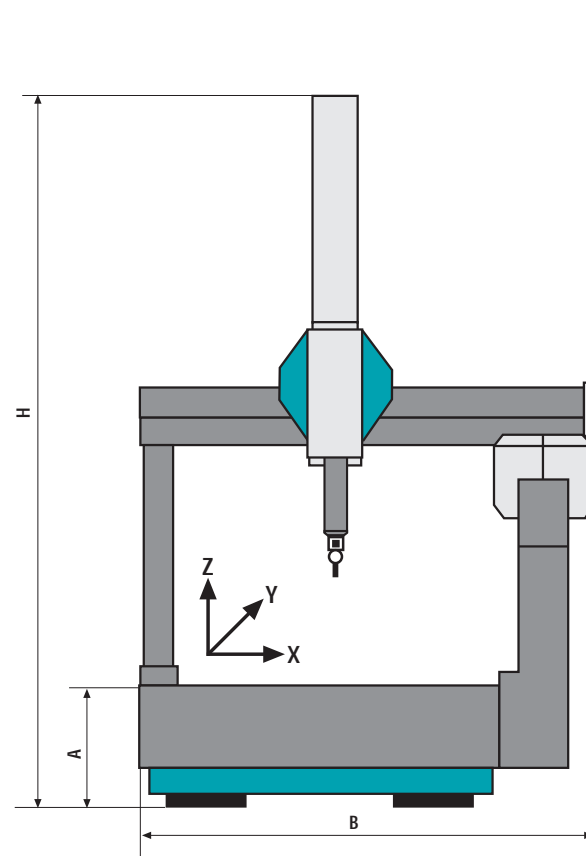
## System LH, Nr. 120

### Air bearings, gantry design

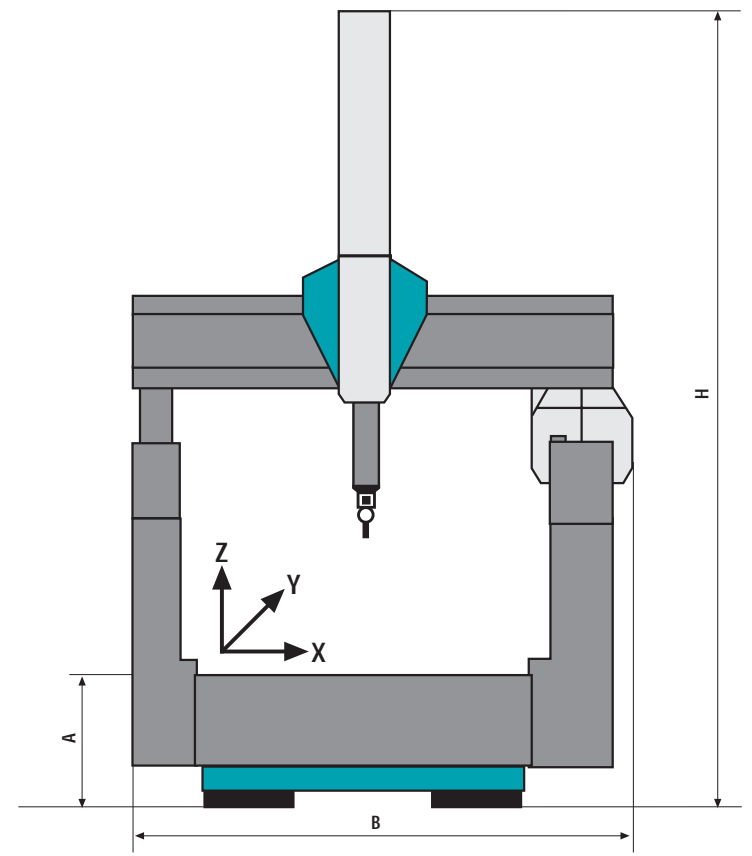
The LH 120 gantry design Coordinate Measuring Machine series is equipped with air bearing guide-way systems in all axes, providing frictionless and wear-free operation. Base plate, Y beam and Z ram are made of dark granite in order to achieve the same thermal behavior in all axes.

The Z axis counterbalance is obtained through a pneumatic cylinder capable to hold the Z ram in any position. The base plate is finely lapped according to DIN 876/O.

The machine body is designed as self stable, homogeneous unit with integrated active vibration dampers. Therefore a separate foundation is not necessary.



### LH 1515



### LH 2015

1500	1500	1500	1500
2000	2500	3000	4000
1500	1500	1500	1500
3000 x 1950	3500 x 1950	4000 x 1950	5000 x 1950
500	500	550	550
99 x M10	117 x M10	135 x M10	171 x M10
660	660	710	710
3700	4200	4700	5700
2775	2775	2775	2775
4880	4880	4930	4930
13800	16000	19000	23000
3500	3750	4000	4250

2000	2000	2000
3000	4000	5000
1500	1500	1500
4500 x 2100	5500 x 2100	6500 x 2100
600	600	600
170 x M10	220 x M10	270 x M10
760	760	760
5100	6100	7100
3260	3260	3260
5120	5120	5120
27000	32000	37000
5000	7000	8000

min. 150 **
115/230 V, 60/50 Hz
1500
20°C ± 2 K 1,0 K/h, 1,0 K/m
incremental scales
0.0005

180**
115/230 V, 60/50 Hz
1500
20°C ± 2 K 1,0 K/h, 1,0 K/m
incremental scales
0,0005

Other measuring ranges on inquiry.

All technical features and specifications may be subject to change without notice.

\*With manual temperature compensation.

\*\* The LH 1512 , LH 1515 and LH 2015 models are equipped with active vibration dampers, air consumption depending on load and measuring range.

	3,2 + (L/300) μm 3,7 + (L/250) μm		
120.4.170	120.4.171	120.4.172	120.4.173
	2,7 + (L/350) μm 3,2 + (L/300) μm		
120.5.170	120.5.171	120.5.172	120.5.173
	2,2 + (L/350) μm 2,7 + (L/300) μm		
120.6.170	120.6.171	120.6.172	120.6.173

	3,7 + (L/300) μm 4,2 + (L/250) μm		
120.4.180	120.4.181		120.4.182
	3,2 + (L/350) μm 3,7 + (L/300) μm		
120.5.180	120.5.181		120.5.182
	2,5 + (L/350) μm 3,2 + (L/300) μm		
120.6.180	120.6.181		120.6.182