

MODEL	MONOTRAC-3/500	MONOTRAC-5/500	DUOTRAC-5/700	DUOTRAC-10/700
	MONOTRAC-3/1200	MONOTRAC-5/1200	DUOTRAC-5/1200	DUOTRAC-10/1200
Class ISO 7500-1	0,5			
Maximum load	3 kN	5 kN	5 kN	10 kN
Force measurement	Universal (tensile-compression) extensometric-bands load cell			
Measuring range	From 1 % to 100 % of the load cell nominal capacity			
	30 - 3.000 N	50 - 5.000 N	50 - 5.000 N	100 - 10.000 N
Force resolution	0,1 N (1)			
Columns	1 grounded column, chrome-plated steel		2 grounded columns, chrome-plated steel	

Ball screws	1 high precision ball screw, with scrapers	2 high precision ball screw, with scrapers
Mobile crosshead	Driven by the ball screws, guided by the 2 columns. End of stroke with proximity detectors.	
Motor drive	Synchronous servomotor (Brushless) with direct drive to screws by reducers. Enables displacement (mm/min) and load (kN/s) closed loop control	
Gear transmission	Motor-pulley and reducer-pulley connecting via HTD precision teeth belt	
Movement speed range (mm/min)	0,01 a 500,00	
Load speed range (kN/s)	Between 1% and 10% of maximum load capacity (others on demand)	
	0,0003 a 0,3 kN/s	0,0005 a 0,5 kN/s
	0,0005 a 0,5 kN/s	0,001 a 1 kN/s
Crosshead position measurement	Encoder	
Crosshead position resolution	0,001 mm (1 micron)	
Power supply	Single-phase 220V + earth, 50/60 Hz	
Power consumption	500 W	
Vertical free light with load cell, without fixtures	500 mm (version /500) 1200 mm (version /1200)	700 mm (version /700) 1200 mm (version /1200)
Free distance between columns (or adapter and column)	66 mm (2)	400 mm (3)

Dimensions (mm)	390 x 300 x 1040 mm (version /500)	640 x 240 x 1230 mm (version /700)
	390 x 300 x 1680 mm (version /1200)	640 x 240 x 1730 mm (version /1200)
Approx. weight without testing fixtures	40 kg	80 kg
	55 kg	105 kg
Safety	Emergency push-button, located in the front of the machine	