



Technical specifications

Video model

Combo model

General

Video system	DeMeet camera (1/2" Sony-CCD)	
Touch Probe system	-	Renishaw TP20-5W (standard)
Nikon telecentric lenses	3.0x (1.0x, 5.0x and 10.0x optional)	
Leica-design telecentric lenses	2.0x (1.0x, 5.0x and 10.0x optional)	
Ringlight*	White LED: 3 rings, 16 segments and 48 cells (adjustable)	
Backlight and coaxial light	Adjustable	
Reference sphere (mm)	-	Ceramic r 25
Work table	Anodized aluminum, tension relieved	
	Mounting hole pattern prepared for DF-System	
	DC servo motors	
Drive equipment	Motorized joystick control / Full CNC control	
Operation	Cast iron, extremely tension relieved	
Construction DeMeet-220	Granite surface plate (DIN876/00)	
Construction	Portal: cast iron, extremely tension relieved	

* For video models (not for DeMeet-220) a ringlight with 4 rings, 16 segments and 64 cells can be supplied as an option.

DeMeet-220

Measuring range (mm)	X = 220, Y = 150, Z = 100
Table size (mm)	X = 357, Y = 260
Dimensions (mm)	W = 455, L = 725, H = 615
Weight (approx. kg)	110
Maximum load (kg)	20

DeMeet-400

Measuring range (mm)	X = 400, Y = 250, Z = 200
Table size (mm)	X = 560, Y = 422
Dimensions (mm)	W = 870, L = 930, H = 1570
Weight (approx. kg)	510
Maximum load (kg)	50

DeMeet-404

Measuring range (mm)	X = 400, Y = 400, Z = 200
Table size (mm)	X = 560, Y = 574
Dimensions (mm)	W = 870, L = 1245, H = 1580
Weight (approx. kg)	710
Maximum load (kg)	50

DeMeet-443

Measuring range (mm)	X = 400, Y = 400, Z = 300
Table size (mm)	X = 560, Y = 574
Dimensions (mm)	W = 870, L = 1245, H = 1800
Weight (approx. kg)	730
Maximum load (kg)	50

DeMeet-705

Measuring range (mm)	X = 700, Y = 500, Z = 300
Table size (mm)	X = 930, Y = 700
Dimensions (mm)	W = 1534, L = 1550, H = 1830
Weight (approx. kg)	1400
Maximum load (kg)	60

Measuring specifications

Resolution (f/m)	0.5 (0.1 optional)		
Accuracy 0.5f/m model (f/m)	U1(X,Y,Z) = 4+L/150*		
(L in mm)	U2(XY) = 5+L/150		U3(XYZ) = 5+L/150*
Accuracy 0.1f/m model (f/m)	U1(X,Y,Z) = 3+L/200*		
(L in mm)	U2(XY) = 4+L/200		U3(XYZ) = 4+L/200*
Max. velocity DeMeet-220 (mm/s)	X, Y = 200, Z = 50		
Max. velocity DeMeet (mm/s)	X, Y = 250, Z = 50		

* The accuracy of the probing system should be taken into account.

Supply

Voltage (V)	90 - 120 ; 210 - 240 (50 to 60 Hz)
Power (VA)	400

Computer

Minimum system requirements	CPU: 2.0 GHz Core-2-Duo Intel (or AMD equivalent) or higher Internal Memory: 2 GB RAM or more Recommended screen resolution: 1920x1080 (Full-HD) Video: PCI-e display adapter supporting OpenGL with pixelbuffer extension (recommended: nVidia Quadro NVS295 or higher) USB port to connect the dongle Serial port to connect the DeMeet 3D CNC measuring machine. Only 'real' serial-ports are supported, USB-To-Serial converters are not supported. PCI-e slot for SGM15400 framegrabber (video only)
Operating system	Windows XP SP3/Vista/7 For Windows 7 both the 32 bit and 64 bit version are supported, for previous versions of Windows only the 32 bit version is supported.

Environment

Operating temperature (°C)	15 to 35
Storage temperature (°C)	-10 to 50
Measuring temperature (°C)	20 ± 0.5
Relative humidity (%)	40 to 70 (no condensation)

Specifications apply to all DeMeet models, unless otherwise specified.
Machines with higher specifications and/or modifications are available upon request.

Specifications are subject to change without prior notice.