



**Machine MATRIX  
DuraScan G5**

11.01.2016

		DuraScan 10 G5	DuraScan 20 G5	DuraScan 50 G5	DuraScan 70 G5	DuraScan 80 G5
<b>Test loads</b>						
	[N]			0.002452 - 612.9		
	[kgf]			0.00025 - 62.5		
<b>Test anvil / Test unit</b>						
Drive	[1]	manuell (Option DC-Motor) / manual (Option DC-motor)	manuell (Option DC-Motor) / manual (Option DC-motor)	DC-Motor	DC-Motor	DC-Motor
Drive Test unit	[1]			DC-Motor		
Test unit delivery speed	[mm/s]			1,2 - 25		
Resolution test unit (Z-axis)	[nm]			2,6		
Test anvil holding fixture	[mm]	Ø25	-	-	-	-
Nose cone support dia.	[mm]			-		
Nose cone drilling	[mm]			-		
Dimension anvil (broad)	[mm]	Ø90	135	200	200	300
(deep)	[mm]	-	135	150	150	150
Cross slide (X-axis)	[mm]	-	25	150	150	300
(Y-axis)	[mm]	-	25	150	150	150
Tracking speed (X- / Y-axis)	[mm/s]	-	-	50	50	50
Resolution (X- / Y-axis)	[µm]	-	10	1	1	1
Positioning accuracy**	[µm]	-	±10	1	1	1
<b>Camera system</b>						
Measuring and overview camera	[mm]			CMOS 12 mpix color camera		
Overview camera field of vision	[mm]	-	-	-	65x50	65x50
Zoom	[1]			-		
<b>Facts for workpieces</b>						
Throat depth	[mm]	155	155	97	97	97
Vertical capacity	[mm]			260		
max. component weight	[kg]	50	50	50	50	50
<b>Electric linkage</b>						
Power supply	[V]			230~1/N/PE		
(depending on country delivered to)				110~1/N/PE		
max. Mains voltage deviation	[%]			±10		
Frequency	[Hz]			50 - 60		
Power consumption	[W]			max. 120		
Fuse rating (110V / 230V)	[A/T]			T6,3		
<b>Dimensions</b>						
Display	[inch]	10"	10"	ext. PC / Monitor	ext. PC / Monitor	ext. PC / Monitor
Machine (broad)	[mm]	550	550	550	550	700
(high)	[mm]	700	700	700	700	700
(deep)	[mm]	450	450	450	450	450
space requirement (broad*)	[mm]	700	700	700	700	850
(deep*)	[mm]	600	600	600	600	600
Weight	[kg]	ca. / approx. 85	ca. / approx. 85	ca. / approx. 87	ca. / approx. 87	ca. / approx. 98
<b>Conditions</b>						
Room temperature	[°C]			23 (±5)		
Relative moisture (not condense)	[%]			max. 70%		
Protection EN 60529	[1]			IP20		
<b>Interchangeable lenses</b>						
L2,5				2,5x		
L5				5x		
L10				10x		
L20				20x		
L50				50x		
L100				100x		
<b>Lenses-lighting</b>						
LED-lamp	[1]			ja / yes		
<b>Interfaces</b>						
	[1]	4xUSB,3.0 1xHDMI, 2xRJ45 (Ethernet), 1x Display Port	4xUSB,3.0 1xHDMI, 2xRJ45 (Ethernet), 1x Display Port	je nach verwendetem PC / depending on used PC	je nach verwendetem PC / depending on used PC	je nach verwendetem PC / depending on used PC

\* ) mit Kreuztisch/Verfahrweg/Kabelverbindungen usw.

\* ) with cross slide/cables...

\*\* ) resultierender Gesamtfehler aus X-, Y-, Z-Achsen und Revolverachsen

\*\* ) resulting error total from the X-, Y-, Z-axis and the turret axis