

	<b>Meyer Burger DS 264</b>		<b>Our Planned Specifications</b>
Workpiece	Cross Section	max. 220 mm x 220 mm	220 mm x 220mm
	Length	max. 820 mm	400 mm
	Number of cuts	4000	50 to 270
	Mounting	sacrificial plate	sacrificial plate
	Mounting attachment	dove tail	dove tail
	No. of Workpieces	1 x 820 mm or 2 x 410 mm	
	Direction of motion	downward	downward
	Wafer Thickness	0, 100 mm (process has to be adjusted)	1.515 mm to 6.9 mm
Wire	Wire Speed	programmable up to max. 15 m/s, runs at 12m/s	
	Wire Diameter	0, 100 - 0, 160 mm	.175 mm
	Wire Length	up to 800 km for wire 0, 140 mm	125 km
	Wire direction	bi-directional traverse or single direction	bi-directional
	Acceleration	up to 2 m/s <sup>2</sup>	
	Cycle Time	programmable	programmable
Wire Guide Rollers	Roller Diameter	320 mm	320 mm
	Roller Length	840 mm	400 mm
	Weight	130 kg	65 kg
	No. of Wire Guide Roller	2	2
	Drive Output	2 x 47 kW	
	Bearing	special roller bearing, water-cooled	
	Axis Spacing Horizontal	660 mm	660 mm
Wire Deflection Rollers	Diameter	160 mm	160 mm
	Number	2 x 3 (6)	2 x 3 (6)
Cutting Feed	Feed Speed	0-10 mm/min, programmable	
	Rapid Speed Rate	200 mm/min	
	Working Stroke	max. 265 mm	
Control Unit / Operation	Type	S7 PLC control unit with integrated PC	
	Suppliers	Siemens	
	Monitor / Operating Pane	flat screen color monitor 10.4" with touchscreen keypad	
Dimensions	Length	5,183 mm	Max = 50% of the Meyer Burger sq. ft Goal = 25% of the Meyer Burger sq. ft Min = 20% of the Meyer Burger sq. ft.
	Width	2,524 mm	
	Height	3,408 mm	
Weight	Machine Unit	15,600 kg	
	Slurry Unit	750 kg	
	Total Weight	16,350 kg	
Electrical Connections	Voltage	440 volts	
	Frequency	160 amps	
	Power Supply	max. 135 kW	
	Mains Condition	according to EN60204 section 1	
Compressed Air	Pressure	6-8 bar	

	Volume	ca. 20 m <sup>3</sup> /h	
	Connection	hose fitting for inner hose diameter 13 mm	
Water	Water Volume	200 l/min	
	Temperature Difference i	~6 C	
	Pressure min. / max.	2-5 bar (Differential pressure of installed pipe must be at least 1,5 bar)	
	Cooling Capacity	84 kWh	
Air Exhaust	Air Exhaust	approx. 500 m <sup>3</sup> /h	
	Connection	1 PVC pipe inner 126 mm	
Identification Colors of the Lines	Black	oil, free-flowing grease	
	Blue	air, vacuum	
	Green	water	
	White/transparent	emulsions, slurry	
Environment	Room Temperature	15 C - 25 C	
	Variation during the Slici	<= 2 C	
	Variations in Temperatur	< .5 C/h	
Humidity	Relative Humidity	50 % +/- 10%	
Noise Level	Noise Level Measured d	<78 dB (A)	
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