

		<b>Meyer Burger DS 264</b>	<b>Our Planned Specifications</b>	
<b>Features</b>	Workpiece	Cross Section	max. 220 mm x 220 mm	220 mm 220mm
		Length	max. 820 mm	400 mm
		Number of cuts		50 to 270
		No. of Workpieces	1 x 820 mm or 2 x 410 mm	
		Wafer Thickness	0, 100 mm (process has to be adjusted)	1.515 mm to 6.9 mm
		Minimum Workpiece Size		
	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	~130 km
		Wire direction	bi-directional traverse or single direction	bi-directional traverse or single direction
		Acceleration	up to 2 m/s <sup>2</sup>	
		Cycle Time	programmable	
	Wire Guide Rollers	Roller Diameter	320 mm	320 mm
		Roller Length	840 mm (800mm cutting space)	420 mm (400 mm cutting space)
		Weight	130 kg	
		No. of Wire Guide Rollers	2	2
		Drive Output	2 x 47 kW	
		Bearing	special roller bearing, water-cooled	
		Axis Spacing Horizontal	660 mm	660 mm
	Wire Deflection Pulleys	Diameter	160 mm	
		Number	2 x 3 (6)	?(6)
	Cutting Feed	Feed Speed	0-10 mm/min, programmable	
		Rapid Speed Rate	200 mm/min	
		Working Stroke	max. 265 mm	
	Slurry Supply	Tank Capacity	up to 3901	
		Slurry Temperature	constant within +/- 1 C example 1: 18 C <sup>1</sup> example 2: 20 C <sup>2</sup>	
		Pump Capacity	max. 160 l/min, adjustable, measured with flow meters and displayed	
Slurry Density		displayed		
Slurry Cooling		with heat exchanger		
Control Unit / Operation	Type	S7 PLC control unit with integrated PC		
	Suppliers	Siemens		
	Monitor / Operating Panel	flat screen color monitor 10.4" with touchscreen keypad		
<b>Dimensions &amp; Weights</b>	Dimensions	Length	5,183 mm	~ 2,140 mm
		Width	2,524 mm	~ 1,965 mm
		Height	3,408 mm	~ 1,885 mm
	Weight	Machine Unit	15,600 kg	
		Slurry Unit	750 kg	
Total Weight		16,350 kg		
<b>Connections</b>	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 inlet/outlet	~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 Slicing Process	<= 2 C	
		Variations in Temperature	< .5 C/h	
Humidity	Relative Humidity	50 % +/- 10%		
Noise Level	Noise Level Measured during Cutting Operation	<78 dB (A)		
<b>Installing and Commissioning the Machine</b>	Temperature	Room Temperature	15 C - 25 C	
		Variation during the Slicing Process	<= 2 C	
		Variations in Temperature	< .5 C/h	
	Humidity	Relative Humidity	50 % +/- 10%	