

Precision Surface Grinder



KGS-616S



KGS-250AHD



KGS-1020AHD



KGS-63AHD



KGS-84AHD

MACHINE SPECIFICATIONS

SPECIFICATION		UNIT	KGS-616S	KGS-250AH/AHD	KGS-1020AH/AHD	KGS-63AH/AHD	KGS-84AH/AHD	
Capacity	Overall table working area	mm	410*160	460*200	500*250	600*300	800*400	
	Longitudinal table travel	mm	430	540	560	710	910	
	Cross feed table travel	mm	200	260	275	340	450	
	Distance spindle center to table	mm	440	475	490	600	600	
	Table load including magnetic chuck	kgs	100	100	250	420	700	
Table & Cross feed	T-Slot	mm * N	14*1	14*1	14*1	14*1	14*3	
	Longitudinal table speed	m/min		5~25	5~25	5~25	5~25	
	Cross feed on hand wheel	1 gra.	mm	0.02	0.02	0.02	0.02	0.02
		1 rev.	mm	4	4	4	4	5
	Auto cross feed per stroke	mm		0.25~12	0.25~12	0.25~20	0.25~20	
Power cross feed	50 Hz	mm/min		820	820	1000	1000	
	60 Hz	mm/min		980	980	1200	1200	
Grinding wheel	Wheel dimensions	mm	180*13*31.75	180*13*31.75	180*25*31.75	355*38*127	355*38*127	
	Spindle speed	50Hz	rpm	2850	2850	2850	1450	1450
		60 Hz	rpm	3480	3480	3480	1740	1740
Vertical movement	Vertical on hand wheel	1 gra.	mm	0.005	0.01	0.01	0.01/0.001	0.01/0.001
		1 rev.	mm	2	2	2	2/0.5	2/0.5
	Auto down feed elevation	mm		0.002~0.02(AHD)	0.002~0.02(AHD)	0.005~0.025(AHD)	0.005~0.025(AHD)	
	Power head increment	50 Hz	mm/min				133(AHD)	133 (AHD)
		60 Hz	mm/min				160 (AHD)	160 (AHD)
Motor	Spindle motor	KW*P	1.5*2	1.5*2	2.2*2	3.7*4	5.6*4	
	Power elevation motor	KW*P				0.08*6	0.08*6	
	Hydraulic motor	KW*P		0.75*4	1.5*4	1.5*6	2.2*6	
	Dust collection motor	W*P	375*2	375*2	375*2	375*2	375*2	
	Coolant motor	W*P	95*2	95*2	95*2	190*2	190*2	
	Cross feed motor	W*P		40*6	40*6	40*6	80*6	
Dimension & Weight	Machine height	mm	1645	1775	1775	1830	1875	
	Floor space	mm	1610*1120	1800*1400	2100*1800	2600*2500	3600*2600	
	Net weight	kgs	630	1300	1430	1750	2800	
	Gross weight	kgs	780	1500	1680	2200	3000	



KGS-510AH/AHD



KGS-515 / 615AH/AHD



KGS-820 / 830 / 920 / 930AHD



KGS-620AHD

MACHINE SPECIFICATIONS

SPECIFICATION		UNIT	KGS-510AH/AHD	KGS-615AHD	KGS-620AHD	KGS-715AHD	KGS-820 / 825 / 830AHD			KGS-920 / 925 / 930AHD			
Capacity	Overall table working area	mm	1000*500	1500*600	2000*600	1500*700	2000*800	2500*800	3000*800	2000*900	2500*900	3000*900	
	Longitudinal table travel	mm	1140	1600	2230	1760	2250	2750	3250	2250	2750	3250	
	Cross feed table travel	mm	540	660	660	760	885			960			
	Distance spindle center to table	mm	575	600	600	600	880			880			
	Table load including magnetic chuck	kgs	1000	1300	1500	1400	2300	2800	3000	2300	2800	3000	
Table & Cross feed	T-Slot	mm * N	16*3	16*3	16*3	16*3	18*3			18*3			
	Longitudinal table speed	m/min	7-25	7-25	7-25	7-25	10-28			10-28			
	Cross feed on hand wheel	1 gra.	mm	0.02	0.02	0.02	0.02	0.01			0.01		
		1 rev.	mm	5	5	5	5	2			2		
	Auto cross feed per stroke	mm	0.25-20	0.25-20	0.25-20	0.25-20	2-30			2-30			
Power cross feed	50 Hz	mm/min	1250	1250	1250	1250	1500			1500			
	60 Hz	mm/min	1500	1500	1500	1500	1500			1500			
Grinding Wheel	Wheel dimensions	mm	355*38*127	355*50*127	355*50*127	355*50*127	508*50*127			508*50*127			
	Spindle speed	50Hz	rpm	1450	1450	1450	1450	950			950		
		60 Hz	rpm	1740	1740	1740	1740	1150			1150		
Vertical Movement	Vertical on hand wheel	1 gra.	mm	0.002	0.002	0.002	0.002	0.002			0.002		
		1 rev.	mm	0.5	0.5	0.5	0.5	0.5			0.5		
	Auto down feed increment	mm	0.005-0.04 (AHD)		0.005-0.04	0.005-0.04	0.005-0.04	0.005-0.04			0.005-0.04		
	Power head elevation	50 Hz	mm/min	230	230	230	230	230			230		
60 Hz		mm/min	280	280	280	280	280			280			
Motor	Spindle motor	KW*P	5.6*4	7.5*4	7.5*4	7.5*4	11.2*6			11.2*6			
	Power elevation motor	KW*P	0.19*4	0.375*4	0.375*4	0.375*4	0.375*4			0.375*4			
	Hydraulic motor	KW*P	2.2*6	3.7*6	3.7*6	3.7*6	7.5*6	11*6		7.5*6	11*6		
	Dust collection motor	W*P	375*2	375*2	375*2	375*2	375*2			375*2			
	Coolant motor	W*P	190*2	190*2	190*2	190*2	190*2			190*2			
	Cross feed motor	W*P	190*6	190*6	190*6	190*6	HYDRAULIC			HYDRAULIC			
Dimension & Weight	Machine height	mm	2400	2445	2470	2470	2850			2850			
	Floor space	kgs	4445*2100	5810*2645	6200*2700	5810*2800	6000*3360	7300*3360	8700*3360	6000*3400	7300*3400	8700*3400	
	Net weight	kgs	5000	6250	8500	7000	12000	13500	14000	12000	14000	16000	
	Gross weight	kgs	5800	7250	9700	8000	14000	15500	16000	14000	16000	18000	

Precision Surface Grinder-Wizard Series



KGS-510WMA1



KGS-620WM1

MACHINE SPECIFICATIONS

SPECIFICATION	UNIT	KGS-250	KGS-1020	KGS-63	KGS-84	KGS-510	KGS-615		
Capacity	Overall working area	mm	460x200	500x250	600x300	800x400	1000x500	1500x600	
	Longitudinal and cross travel	mm	540x260	590x275	710x340	920x450	1140x540	1600x660	
	Distance spindle center to table	mm	475	490	600	600	550	600	
	Table load including magnetic chuck	kgs	100	250	420	700	1000	1300	
Table & Cross Feed	Longitudinal table speed	WM1	m/min	1-28	1-28	1-28	1-28	7-28	7-28
		WM2	m/min	1-28	1-28	1-28	1-28	1-28	1-28
	Crossfeed on hand wheel (WM1)	1 gra.	mm	0.02	0.02	0.02	0.02	0.02	0.02
		1 rev.	mm	4	4	4	5	5	5
	Crossfeed on MPG (WM2)	1 gra.	mm	0.001	0.001	0.001	0.001	0.001	0.001
		1 rev.	mm	0.1	0.1	0.1	0.1	0.1	0.1
	Auto cross feed per stroke	WM1	mm	0.1-12	0.1-12	0.1-12	0.1-12	0.5-12	0.5-12
		WM2	mm	0-30	0-30	0-30	0-30	0-30	0-30
	Rapid cross feed	WM1 (50/60Hz)	mm/min	820/980	820/980	1000/1200	1000/1200	1250/1500	1250/1500
		WM2	mm/min	1500	1500	1500	1500	1500	1500
Grinding Wheel	Wheel dimensions (ODxTxID)	mm	180x13x31.75	180x25x31.75	355x38x127	355x38x127	355x38x127	355x50x127	
	Spindle speed (50Hz/ 60 Hz)	r.p.m	2850/ 3480	2850/3480	1450/1740	1450/1740	1450/1740	1450/1740	
Vertical Movement	Vertical on hand wheel	1 gra.	mm	0.001	0.001	0.001	0.001	0.001	
		1 rev.	mm	0.1	0.1	0.1	0.1	0.1	
	Auto down feed increment	mm	0.001-0.099	0.001-0.099	0.001-0.099	0.001-0.099	0.001-0.099	0.001-0.099	
Rapid elevating	mm/min	300	300	300	300	300	300		
Motor	Spindle motor	KWxP	1.5x2	2.2x2	3.7x4	5.6x4	5.6x4	7.5x4	
	Elevating motor (AC Servo)	KW	0.4	0.4	0.4	0.4	0.75	0.75	
	Cross feed motor	WM1	WxP	40x6	40x6	40x6	80x6	190x6	190x6
WM2		KW	0.400	0.400	0.400	0.400	1.000	1.000	
Dimension & Weight	Machine height	mm	1775	1775	1830	1875	2400	2445	
	Floor space	mm	1800x1400	2100x1800	2600x2500	3600x2600	4445x2100	5810x2445	
	Net weight	kgs	1550	1680	2200	2800	5800	6250	

SPECIFICATION	UNIT	KGS 620	KGS 715	KGS 820 / 825 / 830		KGS 920 / 925 / 930				
Capacity	Overall working area	mm	2000x600	1500x700	2000x800	2500x800	3000x800	2000x900	2500x900	3000x900
	Longitudinal and cross travel	mm	2230x660	1600x760	2250x885	2750x885	3250x885	2250x960	2750x960	3250x960
	Distance spindle center to table	mm	600	600	880	880	880	880	880	880
	Table load including magnetic chuck	kgs	1500	1400	2300	2800	3000	2300	2800	3000
Table & Cross Feed	Longitudinal table speed	WM1	m/min	7-28	7-28	7-28			7-28	
		WM2	m/min	1-28	1-28	1-28			1-28	
	Crossfeed on hand wheel (WM1)	1 gra.	mm	0.02	0.02	0.01			0.01	
		1 rev.	mm	5	5	2			2	
	Crossfeed on MPG (WM2)	1 gra.	mm	0.001	0.001	0.001			0.001	
		1 rev.	mm	0.1	0.1	0.1			0.1	
	Auto cross feed per stroke	WM1	mm	0.5-12	0.5-12	2-30			2-30	
		WM2	mm	0-30	0-30	0-30			0-30	
	Rapid cross feed	WM1 (50/60Hz)	mm/min	1250/1500	1250/1500	1500			1500	
		WM2	mm/min	1500	1500	1500			1500	
Grinding Wheel	Wheel dimensions (ODxTxID)	mm	355x50x127	355x50x127	508x50x127		508x50x127			
	Spindle speed (50Hz/ 60 Hz)	r.p.m	1450/1740	1450/1740	950/1150		950/1150			
Vertical Movement	Vertical on hand wheel	1 gra.	mm	0.001	0.001	0.001			0.001	
		1 rev.	mm	0.1	0.1	0.1			0.1	
	Auto down feed increment	mm	0.001-0.099	0.001-0.099	0.001-0.099			0.001-0.099		
Rapid elevating	mm/min	300	300	300			300			
Motor	Spindle motor	KWxP	7.5x4	7.5x4	11.2x6			11.2x6		
	Elevating motor (AC Servo)	KW	0.75	0.75	1.0			1.0		
	Cross feed motor	WM1	WxP	190x6	190x6	Hydraulic			Hydraulic	
WM2		KW	1.000	1.000	1.000			1.000		
Dimension & Weight	Machine height	mm	2470	2470	2850			2850		
	Floor space	mm	6200x2700	5810x2800	6000x3360	7500x3360	8700x3360	6000x3700	7500x3700	8700x3700
	Net weight	kgs	8500	7000	12000	13500	14000	12000	14000	16000

■ Specifications subject to change without prior notice.



KGS-63WM1



KGS-820WM1



KGS-830WM1

OPTIONAL ACCESSORIES



WIZARD SERIES FEATURES

Auto Grinding Cycle:

Grinding Mode

Bar stock mode



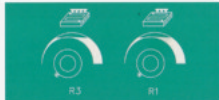
Flange mode



Clindrical mode



(Standard in 510-920 model)



TOUCH SCREEN DESCRIPTION

