

OUTLINE

This is a grinding machine for performing the simultaneous keystone processing of rings on both sides with one work head and 2 grinding wheel spindle in the full-automatic mode.

The keystone angle is automatically set by means of CNC control.

Productivity is doubled or more compared with one-side keystone grinding machines.

55900 Group

CNC FULL AUTOMATIC DUALKEYSTONE RING GRINDING MACHINE

DKG-1

6/16-55900

SIDE FACE (KEYSTONE)

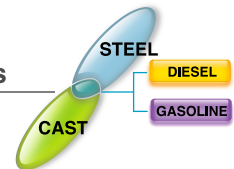
● Use	DIESEL / GASOLINE
● Material	C S
● Condition	W
● O.D.Range	φ 60 ~ φ 160
● Chucking Breadth	1PIECE
● 1-cycle processes	SINGLE
● Machining Profile	



SPEC

PHOTO

PHOTO



● KEYSTONE RING GRINDING MACHINE 14210 Series List of Specifications

仕様項目		14210 6/16-55900		
		DKG-1		
SPEC SHEET				
No. of work clamps		Single		
Method of work clamp		Closing		
Work head side		Face plate		
Tailstock side				
Closing sleeve				
Structure		Horizontal type		
Operation mode	Full automatic	○		
	Semi automatic			
SPEC	Machining capacity	Ring nominal diameter(ϕ)	60~160	
		Keystone angle(°)	0~10	
	Machining count per cycle		Single	
	Work head	No. of heads	1	
		No. of spindle speed changes	Infinitely variable	
		Head clamp method		
	Grinding head	No. of heads	2	
		No. of spindle speed changes	Stepless (inverter)	
		Spindle structure	Hydrostatic bearing	
	Machine dimensions L × D × H(mm)		—	
	Machine weight(kg)		—	
Basic structure	NC controlled axes	Work head		
		Grinding head	3×2	
		Others		
	Loader		○	
		Unloader	○	
	Stocker	IN stocker		
		OUT stocker		
	Hydraulic unit		○	
	Pneumatic unit		○	
	Forcible lubrication unit for slide		○	
	Electric system	Control panel	○	
		NC unit	○	
	Dressing unit		○	
		Deburring unit		
Standard attachments	Leveling bolt & plate		○	
	Adjustment tool		○	
	Machine instruction manual		○	
	NC instruction manual		○	
Basic options	Grinding axis hydrostatic spindle		○	
	Grinding spindle stepless speed change		○	
	CE marking		○	
Added options	C V	Low-pressure splash guard	○	
		High-pressure splash guard	○	
	C L	Coolant tank	○	
		Low-pressure coolant unit	○	
		High-pressure coolant unit	○	
		Coolant separator	○	
		Coolant filtering unit	○	
		Magnetic separator	○	
		Paper filter	○	
	M C	Mist collector	○	
		Cover & hood for mist collector	○	
	D	Standard dressing unit	○	
		Dressing unit for CBN wheel	○	
	G	Diamond tool	○	
		Down amount measuring unit	○	
		Angle measuring unit	○	

H Y D	Fan cooler for hydraulic unit	<input type="radio"/>		
	Heater for hydraulic unit	<input type="radio"/>		
	Oil controller	<input type="radio"/>		
E	3-lamp signal tower	<input type="radio"/>		
	4-lamp signal tower	<input type="radio"/>		
	Data registration function	<input type="radio"/>		
	RS232C interface	<input type="radio"/>		
	Keystone angle change auto offset software	<input type="radio"/>		
	Air conditioner	<input type="radio"/>		
	Grinding wheel flange (spare)	<input type="radio"/>		
	Grinding wheel	<input type="radio"/>		
	Balancing arbor	<input type="radio"/>		
	Spare part 1	<input type="radio"/>		
	Spare part 2	<input type="radio"/>		

Added options mark

CV : Cover CL : Coolant unit MC : Mist collector D : Dressing unit G : Measuring unit AIR : Pneumatic unit V : Dust collector HYD : Hydraulic unit
E : Electric system LUB : Lubricator