

## OUTLINE

This is a grinding machine for performing the B-notch processing of rings in the full-automatic mode.

## 45320 Group

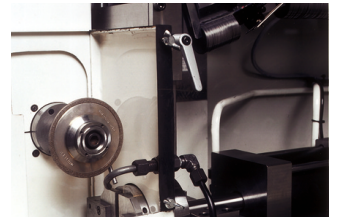
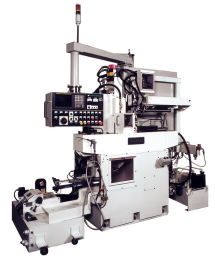
## CNC FULL AUTOMATIC PISTONRING GRINDING MACHINE

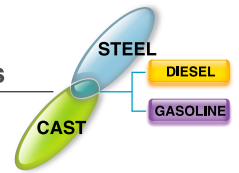
### BNG-1

3/7-45320

#### NOTCH GRINDING

● Use	DIESEL / GASOLINE
● Material	<b>C</b> <b>S</b>
● Condition	<b>W</b>
● O.D.Range	φ 30 ~ φ 70
● Chucking Breadth	1PIECE
● 1-cycle processes	SINGLE
● Machining Profile	





# PISTONRING GRINDING MACHINE 11210 Series List of Specifications

Specifications item		11210 3/7-45320		
		BNG-1		
SPEC SHEET				
No. of work clamps		Single		
Method of work clamp		Clamping devices on both sides (movable on both sides)		
Work head side		Clamping device		
Tailstock side		Clamping device		
Closing sleeve		Fixed-type		
Structure		Horizontal type		
Operation mode	Full automatic	○		
	Semi automatic			
S P E C I F I C A T I O N S	Machining capacity Ring nominal diameter( $\phi$ )	30~70		
	Machining count per cycle	Single		
	Work head	No. of heads		
		No. of spindle speed changes		
		Head clamp method	×	
	Grinding head	No. of heads	1	
		No. of spindle speed changes		
		Head clamp method	Spindle construction	
	Machine dimensions L × D × H(mm)	2556×1600×1950		
	Machine weight(kg)	About 2800		
B A S I C S T R U C T U R E	NC controlled axes	Work head		
		Grinding head	1	
		Others		
	Loader		○	
	Unloader		○	
	Stocker	IN stocker		
		OUT stocker		
	Hydraulic unit		○	
B A S I C O P T I O N S	Pneumatic unit		○	
	Forcible lubrication unit for slide		○	
	Electric system	Control panel	○	
		NC unit	○	
	Deburring unit		×	
S T A N D A R D A T T A C H M E N T S	Grinding wheel flange		○	
B A S I C O P T I O N S	Leveling bolt & plate		○	
B A S I C O P T I O N S	Adjustment tool		○	
B A S I C O P T I O N S	Machine instruction manual		○	
B A S I C O P T I O N S	NC instruction manual		○	
B A S I C O P T I O N S	CBN wheel compliant		※	
A D D E D O P T I O N S	CE marking		○	
A D D E D O P T I O N S	Low-pressure splash guard		○	
A D D E D O P T I O N S	High-pressure splash guard		※	
A D D E D O P T I O N S	Coolant tank		○	
A D D E D O P T I O N S	Low-pressure coolant unit		○	
A D D E D O P T I O N S	High-pressure coolant unit		※	
A D D E D O P T I O N S	Coolant separator		○	
A D D E D O P T I O N S	Coolant filtering unit		○	
A D D E D O P T I O N S	Magnetic separator		○	
A D D E D O P T I O N S	Paper filter		○	
A D D E D O P T I O N S	Mist collector		○	
A D D E D O P T I O N S	Cover & hood for mist collector		○	
A D D E D O P T I O N S	Diamond tool		○	
A D D E D O P T I O N S	Fan cooler for hydraulic unit		○	
A D D E D O P T I O N S	Heater for hydraulic unit		○	
A D D E D O P T I O N S	Oil controller		○	

	3-lamp signal tower	<input type="radio"/>		
	4-lamp signal tower	<input type="radio"/>		
	Manual both-hand start	<input type="radio"/>		
E	Data registration function	<input type="radio"/>		
	RS232C interface	<input type="radio"/>		
	Entanglement preventive proximity switch	<input type="radio"/>		
	Air conditioner	<input type="radio"/>		
	Grinding wheel flange (spare)	<input type="radio"/>		
	Grinding wheel	<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

Specify the items marked with "※" when ordering CBN Application.