

OUTLINE

This is a turning machine for processing the I.D. and O.D. of rings simultaneously in the full-automatic mode.

Loading and unloading and cutting are performed on 2 or 3 stations arranged around the index device located in the center of the machine.

On the cutting station, the O.D. is processed with the front slide and the rear slide, and the I.D. is processed with the I.D. slide located in the lower part of the tailstock.

The rings clamped on both sides are processed one by one.

31964 Group

CNC FULL AUTOMATIC PISTONRING TURNING MACHINE

NRC-120

6/12-31964

O.D. & I.D.FINISH

● Use DIESEL/GASOLINE

● Material **C**

● Condition **D**

● O.D.Range $\phi 80 \sim \phi 120$

● Chucking Breadth 1 PIECE

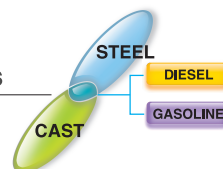
● 1-cycle processes SINGLE

● Machining Profile



SPEC





PISTONRING TURNING MACHINE 11121 Series List of Specifications

Specifications item		11121 6/12-31964		
		NRC-120		
SPEC SHEET				
No. of work clamps		Single		
Method of work clamp		Clamping devices on both sides		
Work head side		固定治具		
Tailstock side		Clamping device		
Closing sleeve		押当ギャップ調整型		
Structure		Vertical type		
Operation mode	Full automatic	○		
	Semi automatic			
Machining shape		Perfect circle		
Machining position		OD		
Machining count per cycle		Single		
SPEC	Machining capacity Motor output(ϕ)	60~120		
	Work head Motor output(kW)	3.7/5.5		
	Rotation speed(rpm)	~500		
	Machine dimensions L × D × H(mm)	2707×2674×2230		
Machine weight(kg)		About 3800		
Basic structure	NC controlled axes	OD slide X	2	
		Z	2	
		ID slide X,U	1 (U)	
		Z,W	1 (W)	
	Loader			
	Unloader			
	Stocker	IN stocker	Rail	
		OUT stocker	Rail	
	Hydraulic unit		○	
	Pneumatic unit		○	
	Forcible lubrication unit for slide		○	
	Coolant unit		×	
	Application unit		○	
	Electric system	Control panel	○	
		NC unit	○	
Standard attachments	Leveling bolt & plate		○	
	Adjustment tool		○	
	Machine instruction manual		○	
	NC instruction manual		○	
Basic options				
Added options	C V	Safety cover	○	
	C L	Chip pan	○	
	A I R	Air blow	○	
	V	Dust collector	○	
		Cover & hood for dust collector	○	
	H Y D	Fan cooler for hydraulic unit	○	
		Heater for hydraulic unit	○	
	E	Oil controller	○	
		3-lamp signal tower	○	
		4-lamp signal tower	○	
		Spindle inching function	○	
		Spindle orientation unit	○	
		Data registration function	○	
		RS232C interface	○	
		Auto shift position offset measuring unit	○	
	Air conditioner		○	

Cutting tool	<input type="radio"/>		
Cutting jig	<input type="radio"/>		
Ring sleeve	<input type="radio"/>		
cut sleeve with handle	<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