

11420 Series

OUTLINE

This is a boring machine of vertical type specialized in processing almost all the I.D. shapes (I.D. finishing, I.D. grooving, chamfering, end-face dressing) in the full-automatic mode.

Shortened set-up time by completing the necessary data setting by selecting the processing pattern according to the ring configuration to be processed from among the registered processing patterns and inputting the processing dimensions, the processing conditions and other variables

IGC-1

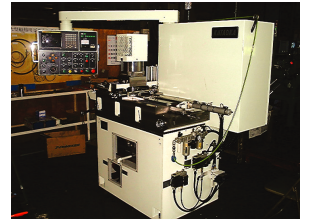
6/14-11979

SIDE FACE & I.D. FINISH

● Use	DIESEL / GASOLINE
● Material	C
● Condition	D
● O.D.Range	φ 60 ~ φ 140
● Chucking Breadth	mm(1p.c.s)
● 1-cycle processes	SINGLE
● Machining Profile	



SPEC

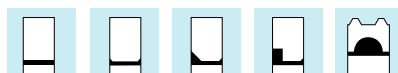


IGC-4M

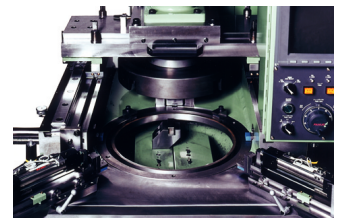
20/40-11979

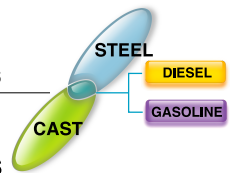
SIDE FACE & I.D. FINISH

● Use	DIESEL / GASOLINE
● Material	C
● Condition	D
● O.D.Range	φ 200 ~ φ 400
● Chucking Breadth	mm(1p.c.s)
● 1-cycle processes	SINGLE
● Machining Profile	



SPEC





PISTONRING BORING MACHINE 11410 Series List of Specifications

List of Specifications		11420 6/14-11979	11420 20/40-11979	
		IGC-1	IGC-4M	
SPEC SHEET				
Type of machining		I.D.boring	I.D.boring	
No. of work clamps		Single	Single	
Method of work clamp		Clamping devices on both sides (movable on one sides)	Clamping devices on both sides (movable on one sides)	
Work head side		Clamping device (Closing type)	Clamping device (Closing type)	
Tailstock side		x	x	
Closing sleeve		With built-in clamping device-type	With built-in clamping device-type	
Structure		Vertical type	Vertical type	
Operation mode	Full automatic Semi automatic	○	○	
Machining count per cycle		Single	Single	
SPEC	Machining capacity	Ring nominal diameter(ϕ)	60~140	200~400
	Tool head	No. of heads	1	1
		Motor output(kW)	2.2	5.5
		Rotation speed(rpm)	290~500	30~180
	Machine dimensions	L × D × H(mm)	2200×950×1870	2410×2350×2006
Basic structure	Machine weight(kg)		1500	4000
	NC controlled axes	X	1	1
		Z	1	1
		others	x	x
	Loader		Arrowhead bar	x
	Unloader		pickout method	Work pusher
	Stocker	IN stocker		
		OUT stocker		
	Hydraulic unit	x	○	
	Pneumatic unit	○	○	
	Forcible lubrication unit for slide	○	○	
	Electric system	Control panel	○	
		NC unit	○	
Standard attachments	Leveling bolt & plate	○	○	
	Adjustment tool	○	○	
	Machine instruction manual	○	○	
	NC instruction manual	○	○	
Basic options	CE marking	○	○	
Added options	C V	Template for interruption	x	x
		Safety cover	○	○
	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	○	○
		Oil controller	○	○
	E	3-lamp signal tower	○	○
		4-lamp signal tower	○	○
		Lighting for panel internal check	○	○
		Data registration function	○	○
		Air conditioner	○	○
		Jig crane mounting plate	x	○
		Jig	○	○

Cutter	☐	☐	
Spare part 1	☐	☐	
Spare part 2	☐	☐	

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