

High Output CNC Lathe

# FS4-31 / FS4-3100

(for North America)

HIGH-SPEED LOADER  
ROBOT BUILT IN ALL MODELS  
L35



*Geared for high volume production of small to medium-sized rings with the fastest automation in its class.*

This compact machine is designed in pursuit of high productivity and ease of operation. High speed, high output machining and extra smooth chip disposal are based on FUJI's field-proven technologies.



The above photo include options.

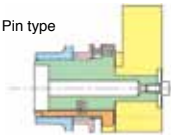
## L35-08H Loader

High speed CNC loader unloads and loads the work piece in just 2.5 sec.

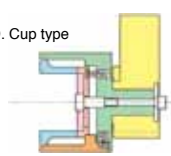


### Loader chuck

I.D. Pin type



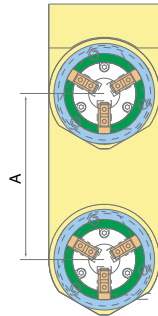
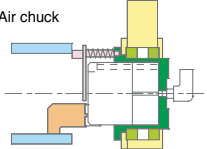
O.D. Cup type



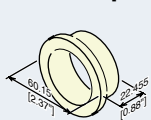
### 3-jaw type loading chuck available for quick change-over

	FS4-31	FS4-3100
A	mm	165
	inch	6.5

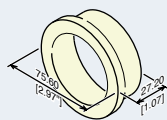
Air chuck



### Work example



- Machine : FS4-31 / FS4-3100
- Work piece : inner ring
- Cyclotime : 13 sec



- Machine : FS4-31 / FS4-3100
- Work piece : inner race
- Cyclotime : 20.8 sec

## Specifications for FS4-31/FS4-3100

### Machine Specifications

		FS4-31 / 3100
Recommended work size	mm [ inch ]	ø100 X 60 [ ø3.9 X 2.4 ]
Spindle dia	mm [ inch ]	ø100 [ ø3.9 ]
Spindle nose		A2-6
Spindle bore	mm [ inch ]	ø56 [ ø2.2 ]
Spindle speed	min-1	Max. 4000
Spindle motor	kw [ hp ]	7.5/11 [ 10/15 ]
Tooling		Gang
Chuck size	inch	8
CNC control		FANUC 0i-TD
Slide stroke	X-axis mm [ inch ]	300 [ 11.81 ]
	Z-axis mm [ inch ]	270 [ 10.63 ]
Feed motor	X-axis kw [ hp ]	1.6 [ 2.1 ]
	Z-axis kw [ hp ]	1.6 [ 2.1 ]

### Robot Specifications

Robot	L35-08H	
Robot controller	FANUC	
Loader chuck	Cup / Pin / Air chuck	
Carrying capacity	Cup / Pin	kg [ lb. ]
		2+2 [ 4.4+4.4 ]
	Air chuck (fixed)	kg [ lb. ]
		1+1 [ 2.2+2.2 ]
	Air chuck (rotatory)	kg [ lb. ]
		0.5+0.5 [ 1.1+1.1 ]

### Machine Size

Footprint	mm X mm [ feet, inch X feet, inch ]	1100 X 1675 [ 3'7" X 5'6" ]
Machine height	mm [ feet, inch ]	2115 [ 6'11" ]
Machine weight	kg [ lb. ]	2500 [ 5500 ]

Specifications are subject to change without notice.