

# ACRA.

*High Performance High Precision  
Heavy Duty Slant Bed Lathe*



▶ **ASL-78/1100**

Chuck 10"  
Swing 520mm  
Bar capacity 77mm



▶ **ASL-90/600-2000**

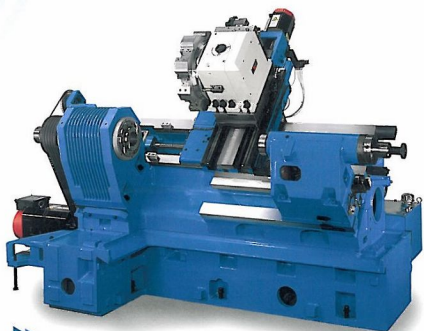
Chuck 10"  
Swing 520mm  
Bar capacity 90/115mm

▶ **ASL-115/2000**

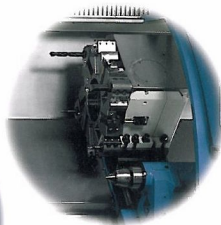
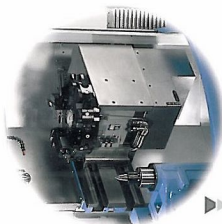


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~SINCE 1973~

# High Performance High Precision Heavy Duty Slant Bed Lathe

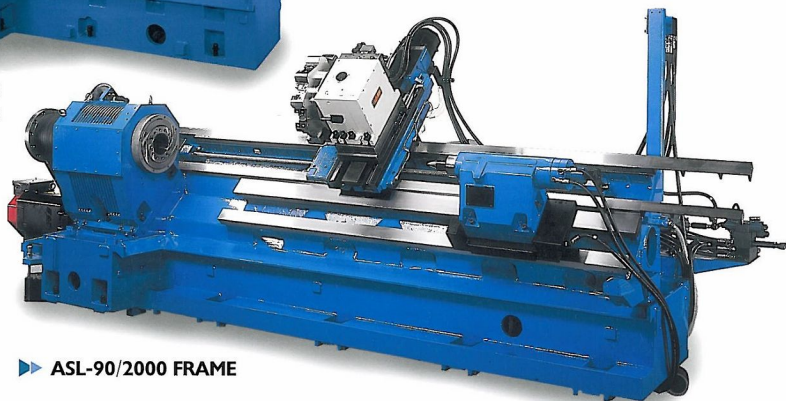


▶ ASL-78/600  
ASL-90/600  
FRAME



▶ V10 Turret

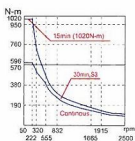
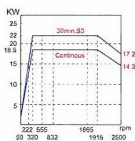
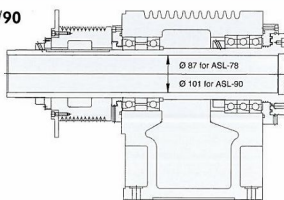
▶ Driven tool system



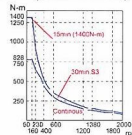
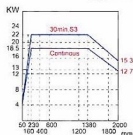
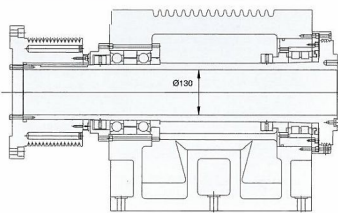
▶ ASL-90/2000 FRAME

## ▶ Structure and dimensions of spindle / Spindle speed / Output diagram

○ ASL-78/90

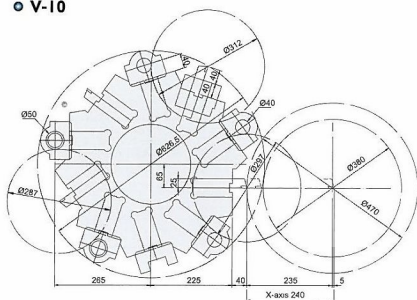


○ ASL-115



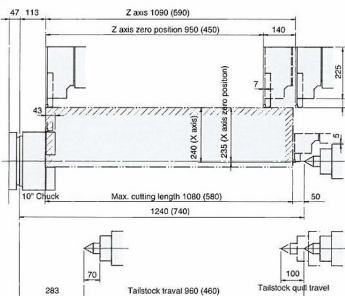
## Tool interference (mm)

### • V-10



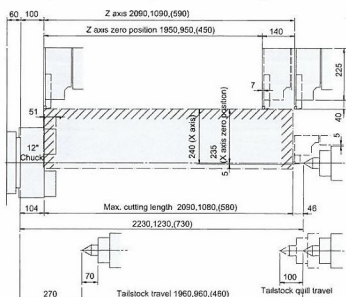
## Working Range (mm)

### • ASL-78/600 ASL-78/1100

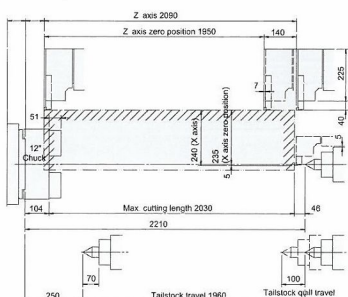


## Working Range (mm)

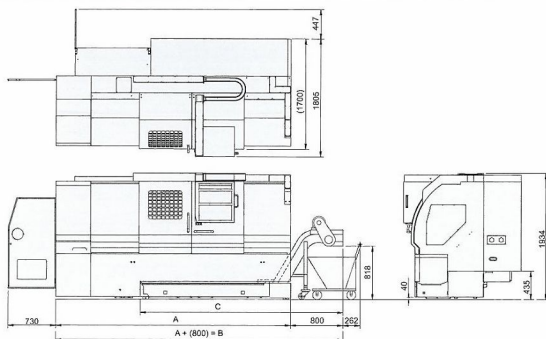
### • ASL-90/600 ASL-90/1100 ASL-90/2000



### • ASL-115/2000



## Overall Dimensional



Model	A	B	C
ASL-78/600	3140	3940	2593
ASL-78/1100	3590	4390	3093
ASL-90/600	3140	3940	2593
ASL-90/1100	3590	4390	3093
ASL-90/2000	4960	5760	4150
ASL-115/2000	4960	5760	4150

## Specifications

(Option)※

Item	ASL-78/600	ASL-78/1100	ASL-78/600DS ASL-78/1100DS Driven tool system	ASL-90/600	ASL-90/1100	ASL-115/2000	
Capacity	Swing over bed	520 mm			550 mm		
	Swing over carriage	380 mm			380 mm		
	Max. turning diameter	420 mm		320 mm	470 mm		
	Max. cutting length	580 mm	1080 mm	580, 1080 mm	580 mm	1080 mm	2060 mm (1970 mm)※
	Distance between face of spindle and center	740 mm	1240 mm	740, 1240 mm	730 mm	1230 mm	2210 mm (2200 mm)※
Stroke	X-axis	230 mm		-----	240 mm		
	Z-axis	590 mm	1090 mm	590, 1090 mm	590 mm	1090 mm	2090 mm (2030 mm)※
Spindle	Speed	30-3000 rpm (35-3500 rpm)※			25 - 2500 rpm (30-3000 rpm)*		20 - 2000 rpm (25-2500 rpm)*
	Spindle nose	A2-8			ø220		
	Spindle bore	87 mm			101 mm		130 mm
	Chuck	10"			12"		12" (15")※
	Bar Capacity	77 mm			90 mm		90 mm (115 mm)※
Turret	Tools	V10		V12 Driven tool system	V10		
	OD tool shank				□ 25 mm		
	ID tool shank (Max.)				ø 40 mm		
Feed traverse	X-axis				12 m/min		
	Z-axis				15 m/min		
Tailstock	Tailstock stroke	500 mm	1000 mm	500, 1000 mm	460 mm	960 mm	1960 mm
	Quill diameter				100 mm		
	Quill taper				MT5		
	Quill stroke				100 mm		
Motor	Main motor (30 min)				FANUC αP40 <sub>r</sub> , 30 HP / 22 kw		
	Axes servo motor				4 HP / 3 kw		X: 4 HP / 3 kw Z: 5.3 HP / 4 kw
	Hydraulic unit motor				3 HP / 2.2 kw		
	Coolant pump motor				1 HP / 0.75 kw		
Machine dimension	Height	1940 mm			2000 mm		
	Floor space (mm)	4000 x 2300	4500 x 2300	4000, 4500 x 2300	4000 x 2300	4500 x 2300	6630 x 2400
	Weight	5400 kgs	6400 kgs	5400, 6400 kgs	5500 kgs	6500 kgs	8950 kgs

※ Specifications are subject to change without notice.

## Standard Accessories

- FANUC 0iT controller
- Main motor 30HP, αP40<sub>r</sub>
- 10" hollow 3-jaw hydraulic chuck for ASL-78
- 12" hollow 3-jaw hydraulic chuck for ASL-90
- Hard jaws & soft jaw 1 SET / EACH
- Vertical 10 stations turret
- Boring bar holder 5 PCS
- Facing tool holder 2 PCS
- Boring bar socket 1 SET
- Morse taper socket 1 SET
- Hydraulic system
- Coolant tank & high power coolant system
- Moving door & splash guard
- Hydraulic tailstock, moving center MT#5
- Work light
- Chip conveyor & chip bucket
- Tool box & adjusting tools

## Optional Accessories

- 15" hollow 3-jaw hydraulic chuck for ASL-115/2000
- OD tool holder
- V12 Driven tool system, not including tool holder
- Steady rest 55-160 mm
- Self-centering steady rest 40-152 mm
- Manual tool measurement arm
- Cs axis function
- CE approval specification
- Transformer



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