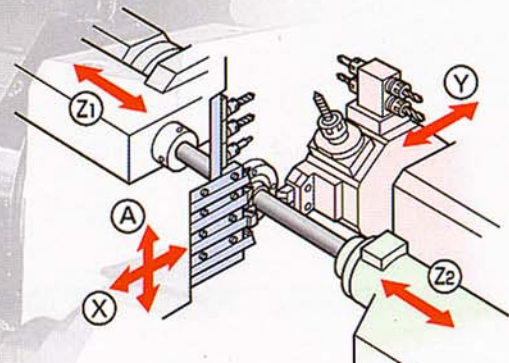




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CNC SWISS TYPE AUTOMATIC LATHE

# SV-32JII



# JS

# Evolution

High Productivity and Greater Versatility

**A NEW GENERATION MODEL of SV-32J that excels in heavy-duty cutting performance is now being launched with greatly enhanced "machining capability".**

- ★ Power-driven tool mounted on turret tool holders.
- ★ Indexing function of main and sub-spindles.

The SV-32J model has been further developed to enhance the more demanding range of machining needs by reinforcing the capability of complex machining. Increasing the available power with an ability to "complete machine" components in one operation will ensure the market future of a machine ideal for large diameter bar turning.

## COMPLEX MACHINING



- Provision of main spindle C-axis control function as standard specification (15° as OP)
- Sub-spindle 1° and 15° indexing function (OP)
- Mounting of up to 3 power-driven tools on the gang tool post.
- Mounting of power-driven tools on turret.
- AC servo drive to power-driven tools that enables rigid tapping.

### Tool Post & Tooling

#### 1 Gang Tool Post

Turning Tool 4 tools+Max.2 tools (OP)  
Power-driven Tool Max.3 tools (OP)

#### 2 Turret

Turning Tool 1 tool/1 face (OP)  
Power-driven Tool Max.2 tools/1 face (OP)



## VERSATILITY

- Mounting of up to 2 power-driven tools at each station of turret makes it possible to satisfy a wide variety of machining elements comparable to the SV-32 machining capability.
- Mounting of up to 3 power-driven tools on the gang tool makes it possible to perform cross drilling and milling as well as cross tapping.
- The function of main spindle C-axis control (15° as OP) is adopted within the standard specification. In addition, sub spindle indexing 1° or 15° available as an option.

## HIGH PRODUCTIVITY

- Powerful spindle motors (5.5kw/7.5kw for main spindle and 2.2kw/3.7kw for sub spindle) are designed to provide heavy duty cutting capability.
- Approach function by tool holders (gang tool and turret) under independent control achieves smooth tool path positioning.
- Balance cut by gang tool and turret-type tool holders is now feasible.
- Servo drive system achieves tool selection with increased speed.

## USER FRIENDLINESS

- A new design of freely positioning operation panel (patented) helps operators to work in most comfortable position at all times.
- A quick-change system for easy changeover of the tool holder on the turret side is now applied as standard.

### Standard Machine Specifications

OP : Option

Item		Specifications
Max. machining diameter		φ32mm(1-1/4in)
Max. headstock stroke	Standard	310mm(12-13/64in)
	with Gripping unit	300mm(11-13/16in)
Tool post configuration	Gang type	Tool+Power-driven attachment
	Turret type	8 face
Tool	Number of tools	Gang type 4 tools+Max.2 tools : OP
		Turret type 1 tool/1 face : OP
	Tool shank	Gang type □16mm×95~135mm
		Turret type □16mm×65~70mm
Sleeve	Number of tools	Max.2 tools/1 face : OP
	Max. drilling capacity	φ19mm(3/4in)
	Max. tapping capacity	M12×P1.75
	Max. die cutting capacity	M12×P1.75
Power-driven attachment	Number of tools	Gang type Max.3 tools : OP
		Turret type Max.2 tools/1 face : OP
	Max. drilling capacity	Gang type φ8mm(5/16in)
		Turret type φ8mm(5/16in)
	Max. tapping capacity	Gang type M6×P1.0
		Turret type M8×P1.25
Max. milling capacity	φ10mm(25/64in)	
Max. slotting capacity	1.5mm(W)×4mm(D)	
Main spindle min. indexing degree		C-axis/15° : OP
Main spindle speed		Max.7,000min <sup>-1</sup>
Main spindle motor		AC spindle motor 5.5kw (continuous)/7.5kw (30min)
Power-driven att. spindle speed	Gang type	Max.6,000min <sup>-1</sup>
	Turret type	Max.5,900min <sup>-1</sup>
Power-driven att. drive motor		AC servo motor 0.5kw (Gang type), 0.9kw (Turret type)
Coolant tank capacity		170 ℓ
Dimension (W×D×H)		2,715×1,245×1,680mm
Weight		3,200kg
Power consumption		7.0KVA

Note) The described machining capacity is for the S45C material to be cut. The machining performance may differ from the described values depending on the material to be cut and tools used, etc.

### Backworking Attachment Specifications

OP : Option

Item		Specifications
Max. chucking diameter		φ32mm(1-1/4in)
Max. length for front ejection		φ150mm(5-7/8in)
Max. parts projection length		75mm(2-15/64in)
Turret type	Number of tools	Max.2 tools/1 face : OP
	Max. drilling capacity	φ13mm(1/2in)
	Max. tapping capacity	M10×P1.5
	Max. die cutting capacity	M10×P1.5
Sub spindle min. indexing degree		15° : OP/1° : OP
Sub spindle speed		Max.7,000min <sup>-1</sup>
Sub spindle motor		AC spindle motor 2.2kw (continuous)/3.7kw(15min)

### Standard Accessories and Functions

1. Hydraulic unit
2. Pneumatic unit
3. Stand alone type coolant tank
4. Coolant oil level detector
5. Automatic centralized lubrication unit
6. Door interlock unit
7. 4-Station toolholder(Gang Tool)
8. Drive system for power driven attachment(Gang Tool&Turret)
9. Main spindle C-axis control unit
10. Revolving guide bush unit
11. Broken cut-off tool detector
12. Parts ejection detector
13. Parts separator
14. Sub spindle air blow unit

### Optional Accessories and Functions

1. Tool setter
2. Tool presetter
3. Rotary magic guide bush unit
4. Parts conveyor
5. Long parts ejector unit
6. Barstock gripping unit
7. Main spindle 15° indexing unit
8. Sub spindle 15° indexing unit
9. Sub spindle 1° indexing unit
10. Transformer CE marking specifications

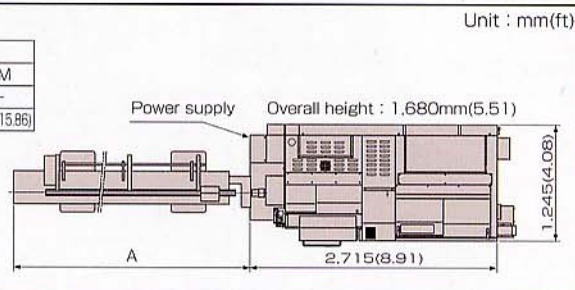
※ Design features, specifications and technical execution are subject to change without prior notice.

※ This machine is subject to foreign exchange and foreign trade law as one of the strategic commodities. Thus, before exporting this product, or taking it overseas, contact your STAR MICRONICS dealer.

### External Dimensions and Floor Space

#### Barfeeder

Length Type	A(mm)				
	2M	2.5M	3M	3.7M	4M
Single barfeed unit	-	-	-	5,132(16.84)	-
S302	2,835(9.30)	3,335(10.94)	3,835(12.58)	-	4,835(15.86)



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