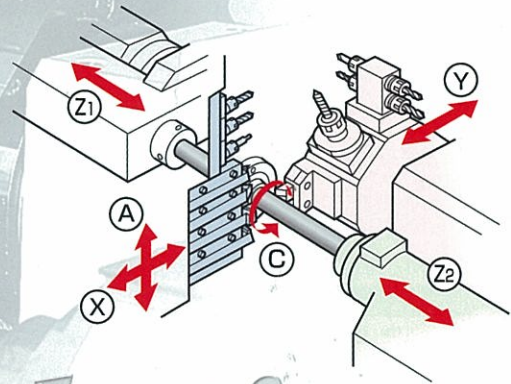




CNC SWISS TYPE AUTOMATIC LATHE

# SV-32JII



# 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/1face (OP)







- 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.
- 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.
- 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 capability φ19mm(3/4in)
	Max. tapping capability M12×P1.75
	Max. die cutting capability 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 capability φ10mm(25/64in)
	Max. slotting capability 1.5mm(W)×4mm(D)
	Main spindle indexing angle C-axis/15° : OP
Main spindle speed Max.7,000min <sup>-1</sup>	
Main 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 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	

### 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 capability φ13mm(1/2in)
	Max. tapping capability M10×P1.5
	Max. die cutting capability M10×P1.5
Sub spindle indexing angle 15° : OP/1° : OP	
Sub spindle speed Max.7,000min <sup>-1</sup>	
Sub 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

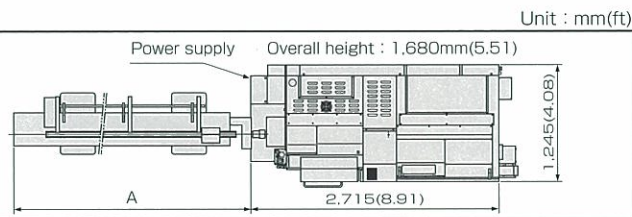
※Design features, specifications and technical execution are subject to change without prior notice.  
 ※This product is an export control item subject to the foreign exchange and foreign trade laws. Thus, before exporting this product, or taking it overseas, contact your STAR MICRONICS dealer.

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.

### 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)



## STAR MICRONICS CO., LTD.

### Machine Tools Division

1500-34 Kitanoya, Misawa, Kikugawa, Shizuoka, 439-0023 Japan

America, Europe Sales TEL.+81-537-36-5594 FAX.+81-537-36-5607

Asia Sales TEL.+81-537-36-5574 FAX.+81-537-36-5607

<http://www.star-m.jp/eng/>

**Star CNC Machine Tool Corporation**  
 123 Powerhouse Road, Roslyn Heights, NY11577, U.S.A.  
 TEL.+1-516-484-0500 FAX.+1-516-484-5820

**Star Micronics AG**  
 Laetstrasse 3, CH-8112 Otelfingen, Switzerland  
 TEL.+41-43-411-60-60 FAX.+41-43-411-60-66

**Shanghai Xingang Machinery Co., Ltd.**  
 229 Fute Road(N) Waigaoqiao F. T. Z. Shanghai 200131, P.R.China  
 TEL.+86-21-5868-2100 FAX.+86-21-5868-2101

**Star Micronics GB Limited**  
 Chapel Street, Melbourn, Derbyshire DE74 8JF, U.K.  
 TEL.+44-1332-86-44-55 FAX.+44-1332-86-40-05

**Star Machine Tool France SAS**  
 55 Avenue du Mont Blanc, F-74950 Scionzier, France  
 TEL.+33-450-96-05-97 FAX.+33-450-96-91-54

**Star Micronics (Thailand) Co., Ltd.**  
 49/30 M.4 Soi Kingkaew 30, Kingkaew RD., Rachathewa A. Bangplee, Samutprakarn 10540, Thailand  
 TEL.+66(0)2-750-4083 FAX.+66(0)2-750-4085

**Star Micronics GmbH**  
 Untere Reute 44, D-75305 Neuenbürg, Germany  
 TEL.+49-7082-79200 FAX.+49-7082-792020