star

- 5.5/7.5kw high-power main spindle motor
- 18,000mm/min rapid feed rate on Z-axis
- High speed tool selection with servo motor
- Gang tool post (for front machining) & Turret (for both front and back machining)

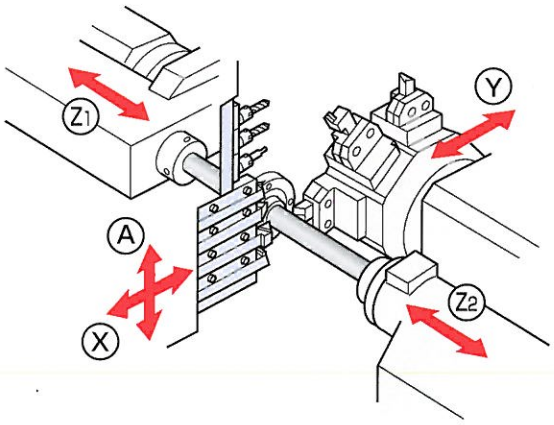
High Productivity

Versatility

- Main spindle 1° or 15° indexing function (OP)
- 3 power-driven tools (OP)
- Power-driven tool AC servo motor with rigid tapping ability

Justified Performance

Justified Performance for shaft processing *The SV-32J with high-power motors, highly rigid design, along with the ability to balance cut, conveys its potential through core of its design. Reach another machining level with a large diameter or shaft part!*



Reduced cycle time

Utilizing independently controlled tool posts (gang tool and turret), balance cutting or approach function allows continuous tool path, with high speed tool selection through servo motor reduces idle time. High rigidity allows heavy cutting through high-power 5.5/7.5kw, and 2.2/3.7kw motors, main and sub-spindle respectively, reduces machining time.

Striving for User Friendliness

Operator panel's position can be adjusted for optimum position for ease of operation, and quick tool change feature on the turret allows easy tool change.

Additional operations to turning

Up to 3power driven tool can be mounted on the gang tool post, allowing keyway cutting, cross milling, and cross rigid tapping with optional 1 or 15 degrees indexing on the main spindle.

SV-32J

SWISS TYPE CNC AUTOMATIC LATHE

Product Planning Concept

*Optional unit

1	High Productivity	Balance cutting	High power spindle	Simultaneous front and back drilling function	High speed collet open/close mechanism	Overlap machining
2	Machining Capabilities	8 faced Turret & Gang tool post	Maxim turning diameter of φ32 (Main spindle bore diameter of φ38)	Main/Sub-spindles synchronous rotation control	Z-1－Z-2 synchronous control	Up to 3 power-driven tools *
3	Operation Efficiency	Free position operation panel	Quick tool change feature on turret	Simulation function *	Absolute position detection function	Separate type coolant tank
4	Safety	Machining area fully covered	Door interlock	Spindle speed fluctuation detection	Coolant oil · Lubrication oil level detector	Water-based coolant available

Standard Machine Specifications

OP:Option

Item		Specifications
Max. turning diameter		φ32mm(1-1/4in)
Max. headstock stroke	Standard	310mm(12-13/64in)
	with Gripping unit	300mm(11-4/5in)
Max.drilling capacity	Stationary tool	Turret φ19mm(3/4in)
	Power-driven tool	Gang tool post φ8mm(5/16in) : OP
Max. tapping capacity	Stationary tool	Turret M12×P1.75
	Power-driven tool	Gang tool post M6×P1.0 : OP
Max. milling capacity		φ10mm(25/64in) : OP
Max. die cutting capacity		M12×P1.75
Main spindle motor		5.5kw (Continuous) / 7.5kw (30min/50%ED)
Main spindle min. indexing angle		1° /15° : OP
Main spindle speed		350~7,000min⁻¹
Main spindle bore diameter		φ38mm(1-1/2in)
Number of tools	Gang tool post	4 tools+3 power-driven tools : OP
	Turret	8 stations (1tool /1 face, Sleeve Max.2tools /1 face)
Tool shank	Gang tool post	□16×135mm
	Turret	□16×70mm
Gang tool post power-driven tool	Spindle speed	Max.6,000min⁻¹ : OP
	Motor	0.5kw (Servo drive)
Dimension(Length×Width×Height)		2,715×1,245×1,680mm (Including leveling pads)
Main spindle center high		1,100mm (Including leveling pads)
Weight		Approx. 3,200kg
Coolant tank capacity		170 ℓ
Coolant motor		0.4kw
Coolant used		Oil- / Water-based coolants are possible
Hydraulic tank capacity		10 ℓ
Hydraulic pump motor		0.75kw
Power consumption		7.0KVA

Note)
The above machining capacities apply to S45C (AISI 1045, DIN C45) material.
The machining capacities may differ from listed values depending on the machining conditions, such as the material to be machined or the tools to be used.

Backworking Attachment Specifications

Item		Specifications
Max. chucking diameter		φ32mm(1-1/4in)
Max. length for front ejection		150mm(5-29/32in)
Max. parts projection length		75mm(2-19/20in)
Turret	Max.drilling capacity	φ13mm(1/2in)
	Max. tapping capacity	M10×P1.5
	Max. die cutting capacity	M10×P1.5
Sub-spindle motor		2.2kw(Continuous) / 3.7kw(15min/50%ED)
Sub-spindle speed		350~7,000min⁻¹

Standard Accessories and Functions

1. Machine body
2. NC unit (FANUC 18i-TA)
3. Operation panel with LCD display
4. Back working attachment
5. Hydraulic unit
6. Air unit
7. Separate type coolant tank
8. Coolant level detector (Lower limit)
9. Automatic centralized lubrication unit (with oil level detector)
10. Door interlock
11. Synchronous revolving guide bushing unit
12. Parts separator B
13. Broken cut-off tool detector
14. Tool holder (for Gang tool post)
15. Leveling bolts and leveling pads
16. Work light
17. Parts ejection detector
18. Sub spindle air blow unit
19. Tool kit (1 set)
20. Operation manual
21. Parts list
22. Electric circuit diagram
23. Sequence / Ladder diagram
24. Coolant oil flow detector**
25. Transformer CE marking specifications**
26. CE confirmed components**

**is for Europe

Optional Accessories and Functions

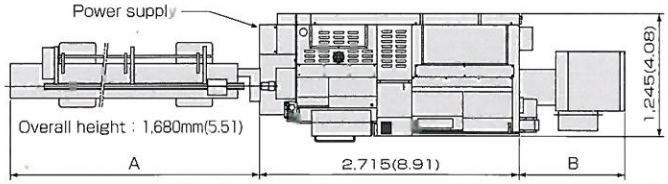
1. Main spindle 15° indexing version
2. Main spindle 1° indexing version
3. Transformer
4. Leakage breaker
5. Chip conveyor hinge type
6. Gripping unit
7. Tool setter
8. Tool pre-setter
9. Parts receptacle
10. Parts conveyor
11. Parts separator type A
12. Rotating beacon
13. Signal tower
14. Main spindle indexing unit
15. Drive unit for power driven tool (for Gang tool post)
16. Coolant unit 0.8MPa
17. Oil hole drill unit
18. Long parts ejector with guide tube
19. Parts stopper
20. Single tube barfeed unit

External Dimensions and Floor Space

Unit=mm(ft)

●Barfeeder

Type \ Length	A mm (ft)				
	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)



※Design features, specifications and technical execution are subject to change without prior notice.
※This machine is controlled under foreign exchange and foreign trade control law .

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