

SX-38 TYPE B



INFORMATION

The SX-38 Type B is a versatile, powerful and heavy-duty solution for machining complex mill-turn parts. Combining some of the best features from the SV, ST and SR series, the new SX-38 Type B gives users the opportunity to expand their machining capabilities and maximise productivity.

The main spindle benefits from a gang type tool post and an 10 station turret to enable simultaneous machining operations. The turret includes an independent Z3 axis, this axis allows two different features to be machined simultaneously (Z1 + Z3) using Star's "super-position" control mode.

Fanuc's 31i-B5 control delivers full five axis capability enabling highly complex components to be processed. The programmable B-axis on the platen enables angular features to be machined on both the main and sub-spindle.

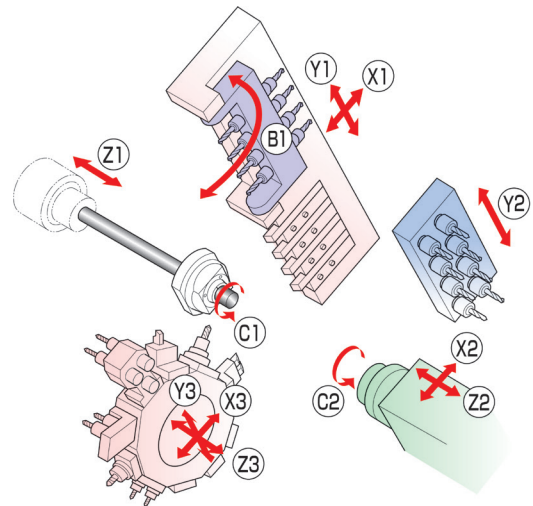
BENEFITS

- ✦ Standard machining diameter 38mm (42mm in NGB mode)
- ✦ Z1 Stroke of 320mm in Swiss mode
- ✦ Z3 axis enables SUPER-POSITION control for increased overlap
- ✦ Switchable between guide bush and non-guide bush modes
- ✦ Main spindle speed 7,000 rpm, sub-spindle speed 7,000 rpm
- ✦ Bolt-on turret tooling employs new single position drive mechanism
- ✦ Programmable B axis for angular machining
- ✦ STAR MOTION CONTROL to minimise idle time
- ✦ 8 Station sub-spindle platen for maximum overlapping

WORKPIECE

DIAMETER	\varnothing	38 MM / 42 MM (NGB)
LENGTH	\longleftrightarrow	320 MM / 95 MM
GEOMETRY		
C AXIS	\oplus	MAIN + SUB SPINDLE

KINEMATIC DIAGRAM



MAIN SPINDLE SIDE

NUMBER OF AXES	12
MAIN SPINDLE (HEADSTOCK)	Z1 / Z3 / C1 AXIS
MAIN SPINDLE PLATEN	X1 / Y1 / X3 / Y3 / B1 AXIS
MAX. MACHINING DIAMETER	38 MM / 42 MM (NGB)
HEADSTOCK STROKE (SWISS TYPE / NGB MODE)	320 MM / 95 MM
MAIN SPINDLE POWER	11 KW
MAIN SPINDLE SPEED	7,000 RPM
MAIN SPINDLE TOOLING	
TURNING TOOL	4 PLATEN TOOLS + 10 TURRET STATIONS
TURRET SLEEVE HOLDER CAPACITY	\varnothing 22 MM SLEEVES (ER16) + \varnothing 32 MM SLEEVES (ER20)
POWER DRIVEN TOOL (PDT) POSITIONS	4 B-AXIS GANG TOOLS + 10 TURRET STATIONS
MAX (PDT) SPEED	6,000 RPM (GANG) / 5700 RPM (TURRET)

SUB SPINDLE SIDE

SUB SPINDLE	X2 / Y2 / Z2 / C2 AXIS
MAX. CHUCKING DIAMETER	38 MM / 42 MM (NGB)
SUB SPINDLE POWER	11 KW
SUB SPINDLE SPEED	7,000 RPM
SUB SPINDLE TOOLING	
BACK-WORKING PLATEN POSITIONS	8
MAX DRILL SLEEVE CAPACITY	ER25
POWER DRIVEN TOOL (PDT) POSITIONS	8
MAX (PDT) SPEED	5,000 RPM