

STL42

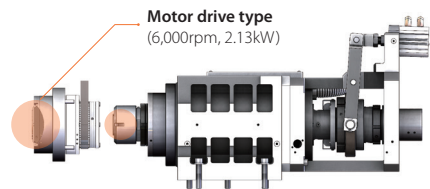
Specialized 9-axis turret type sliding head machine with powerful Siemens 840D controller (42mm)



Model	STL42	
	H	NH
NC	Siemens 840D	
Max. machining diameter (mm)	Ø42	
Z1 Stroke (mm)	420	282 (H), 125 (N)
Main spindle	Speed (rpm)	6,000
	Motor (kW)	22
OD tool	No. of tools	5 (□20mm)
	No. of tools	5 (ER20)
Cross drill	Speed (rpm)	6,000
	Motor (kW)	2.59
Turret unit	No. of unit	1 Unit (10 Station)
	No. of tools	max. 30EA (□20mm, ER20)
	Tool type	VDI 30 (Option : BMT 45)
Sub spindle	Speed (rpm)	6,000
	Motor (kW)	22
Back tool	No. of tools	9 (ER20) (3 Fixed + 6 Driven)
	Speed (rpm)	6,000
	Motor (kW)	2.13
Machine size(L x W x H) (mm)	3,580 x 2,060 x 1,980	
Weight (kg)	7,330	
Power consumption (Cable size)	40kVA, 32kW (VCTF 16SQ x 4C)	
Air flow rate (Liter/Min)	20 ~ 30 (Hydraulic device capacity : 30L)	

OPTIMIZATION OF STRUCTURE & SPEC

Adopted built-in motor with hydraulic chucking cylinder for strong chucking power

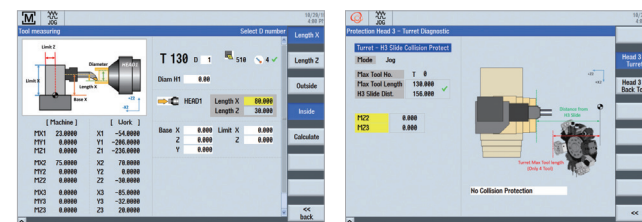


Motor drive type
(6,000rpm, 2.13kW)

Unit	Spec
G/B	BRA-42
Chuck (Main, Sub)	TF48

UPGRADED SOFTWARE PLATFORM

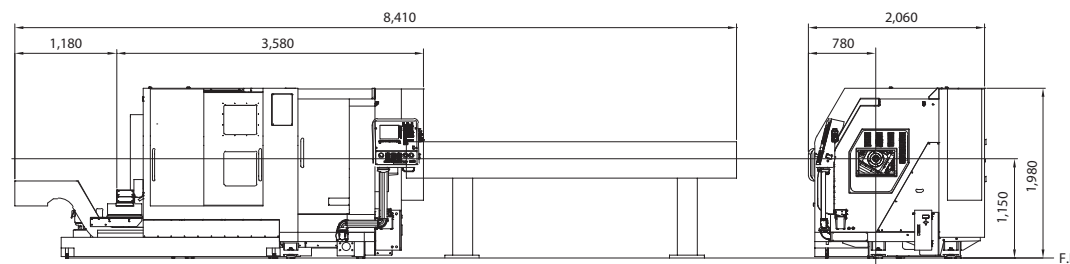
Provides the new HMI screen and improved software functions for machining & operating convenience



Tool measuring

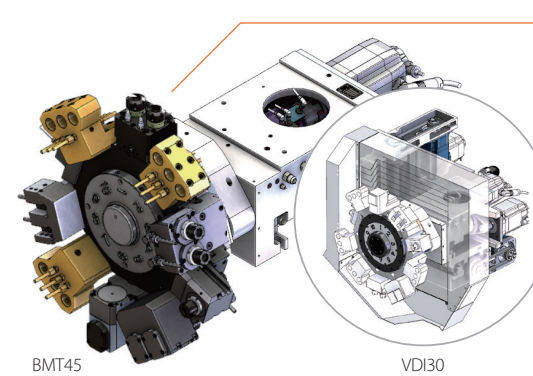
Collision protection

Dimension



Option Tooling

Max. 49 tools with gang & turret tool post are available, and structure, spec & tooling are optimized for material 42mm



Turret Unit

- Type of turret unit is selectable; VDI (standard) or BMT (option)
- Adopted SRG(Roller retainer) LM guide for feed of turret unit

Specification

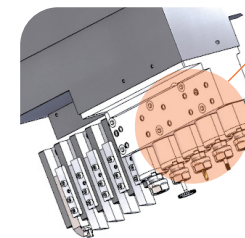
- Driven : 6,000rpm, 2.59kW
- Tool size : □20, ER20
- 10 station
- Max. number of tools : 30
- Tool holder type : VDI30(standard), BMT45(option)

Cross Drilling / Milling Unit

- Optimized structure for machining large bore material
- Extended distance between tools & increased no. of tools

Specification (STL38 → STL42)

- Tool distance : 35mm → **60mm**
- Tool spec : 4(ER20M) → **5(ER20)**
- Motor spec : 6,000rpm, 1.07kW → **2.13kW**

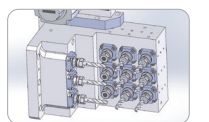


Back Tool Unit

- Enhanced machining capability with Y3-axis feed & increased no. of tools for back
- Simultaneous processing & high complex machining with back tool cross unit (option)

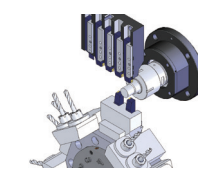
Specification (STL38 → STL42)

- Tool distance : 40mm → **60mm**
- Tool spec : 8(ER20M) → **9(ER20)**
- Motor spec : 6,000rpm, 1.07kW → **2.13kW**

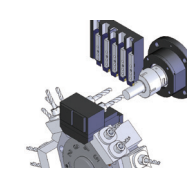


※ Back tool Cross unit (Option)
→ No. of tools : Back tool 6, Cross 3

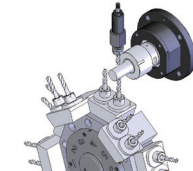
COMPLEX MACHINING



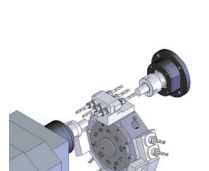
Balance turning (OD+Turret)



Turning/drilling (OD+Turret)



Endmill (Cross+Turret)



Drilling (Front+Back)

Standard

- Main-Sub Cs control (0.001°)
- Rotary Guide bush holder
- MPG
- Chip conveyor
- Part conveyor
- Door interlock
- Work light
- Signal lamp (3color)
- Tool monitoring function
- Cut off tool breakage detector (S/W)
- Auto power off
- Bar feeder interface
- Middle pressure pump

Option

- Bar feeder
- Transformer
- Tap breakage detector
- High pressure pump
- Oil mist collector
- Oil chiller
- Memory card
- Tooling & Programming
- Internal coolant driven tool (cross, back, off-center)
- NC warranty for 2 years
- Turret unit (BMT45)
- Turret Tool Holder