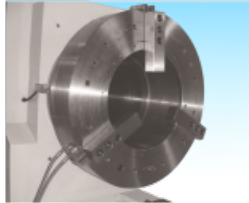




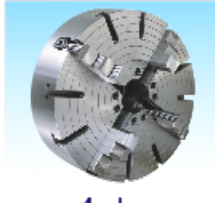
Big Bore 4-Jaw
Independent Chuck



3-Jaw
Hydraulic Chuck



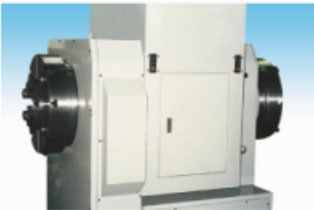
3-Jaw
Air Chuck



4-Jaw
Independent Chuck



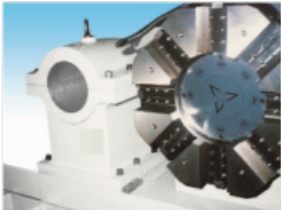
4-Jaw
Face Chuck



Double Chuck
Attachment



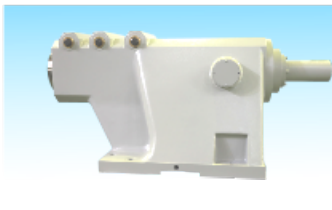
Grinding
Attachment



Boring
Attachment



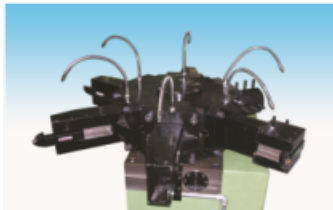
Manual
Tailstock



Powerful
Hydraulic Tailstock



H4 Auto Turret



H6 Auto Turret



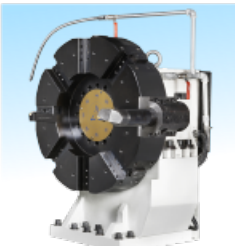
V8
Live Tooling Turret



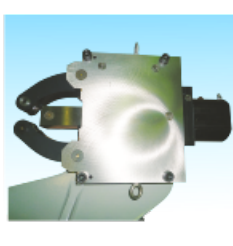
V8
Live Tooling Turret
+ Y Axis



V12
Live Tooling Turret



V8 Auto Turret



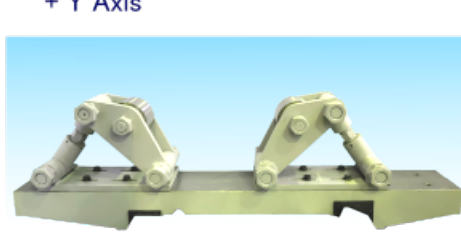
Self - Centering
Steady Rest



C-Type
Steady Rest



Steady Rest



Roller Steady Rest

Standard Accessories

10.4" LCD Color Monitor
MPG Hand Wheel
Powerful Spindle Motor 50/60 HP
Spindle Bore 6" (A2-15)

Half Carriage
Manual Tailstock
Hydraulic System
Auto Lubrication System

Center & Center Sleeve
Two Doors Safety Guarding
Tool Box & Adjusting Tool
Foundation Screws & Leveling Pads

Optional Accessories

Upgrade Spindle Motor (60/73 HP)
Big bore Spindle (9", 12", 16")
Double Chuck Attachment
Boring Attachment
Grinding Attachment
Digital Readout Scale
Full Length Carriage
Y-Axis Attachment

H4 Auto Turret
H6 Auto Turret
V8 Auto Turret
V8 Live Tooling Turret
V12 Live Tooling Turret
Steady Rest
Follow Rest
C-Type Steady Rest

Self-Centering Steady Rest
Roller Steady Rest
3-Jaw Hydraulic Chuck
3-Jaw Air Chuck
4-Jaw Independent Chuck
4-Jaw Face Chuck
Hydraulic Rotary Tailstock
Powerful Hydraulic Tailstock

Live Center
Fully Enclosed Safety Guarding
CE Standard
Chip Conveyor
Headstock Coolant System
Air Conditioner

CLT Series - Multiple Guide Way Heavy Duty CNC Lathe

Item \ Model	CLT 46			CLT 52			CLT 58		
Swing Over Bed	1170 mm (46")			1320 mm (52")			1470 mm (58")		
Swing Over Cross Slide	780 mm (30.7")			940 mm (37")			1100 mm (43.3")		
Distance Between Centers	2200 mm	3200 mm	4200 mm	5200 mm	6200 mm	7200 mm	8200 mm	9200 mm	10200 mm

HEADSTOCK

Spindle Bore	153 mm (6")	*230 mm(9")	*310 mm(12")	*406 mm(16")
Spindle Nose	A2-15	A2-15	A2-20	A2-28
Range of Spindle Speed	1~ 680 RPM	1~450 RPM	1~400 RPM	1~250 RPM
Number of Spindle Speeds	4	4	2	2

TURRET

Tool Stations	*H4 / *H6 / *V8 / *V12			
OD Tool Shank Size	32x32 mm			
ID Tool Shank Size	Ø60 mm			

CARRIAGE

Cross Slide Travel (X-axis)	610 mm								
Longitudinal Travel (Z-axis)	2200 mm	3200 mm	4200 mm	5200 mm	6200 mm	7200 mm	8200 mm	9200 mm	10200 mm
AC servo motor	X: 4 KW (5.4 HP) Z: 9 KW (12.1 HP)								
Rapid feed	X: 6 m/min (236 ipm) Z: 6 m/min (236 ipm)								
Cutting feed rate	X/Z: 0.001~500 mm/rev (0.0004"~20"/rev)								

TAILSTOCK

Quill Diameter	Ø200 mm
Quill Travel	250 mm
Taper of Center	M.T. No.6

MOTOR

Main Spindle (continuous)	AC 37 KW (50 HP)
Main Spindle (30min. rating)	AC 45 KW (60 HP)
Hydraulic Pump	3.75 KW (5 HP)
Coolant Pump	0.75 KW (1 HP)

CONTROL

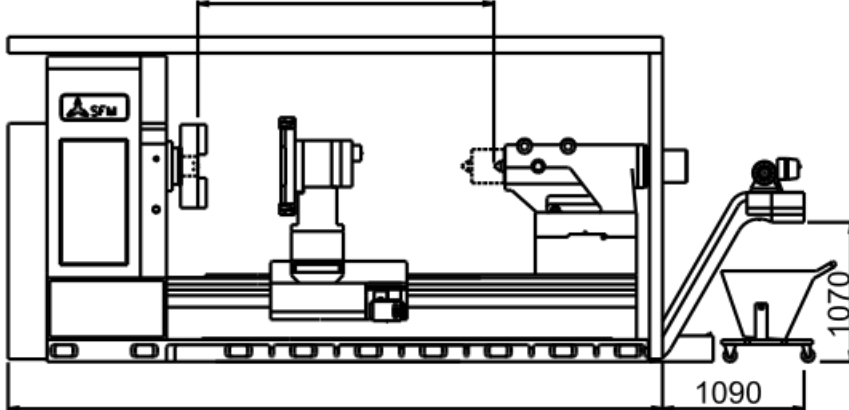
Controller	FANUC / FAGOR / SIEMENS
------------	-------------------------

BED (ONE-PIECE MACHINE BED WHICH IS MOST SUITABLE FOR HEAVY DUTY MACHINING)

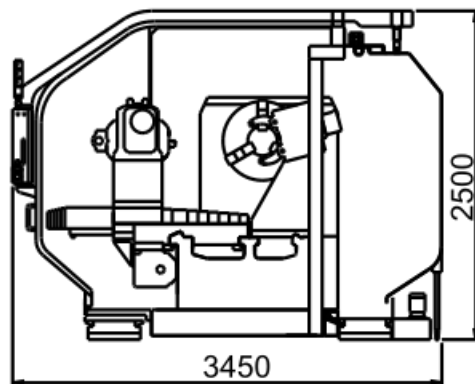
Bed Width	1120 mm (44")
Full Bed Width	1435 mm (56")

*Specifications are subject to change without notice for further design improvement.

2200/3200/4200/5200/6200/7200/8200/9200/10200



5250/6250/7250/8250/9250/10250/11250/12250/13250



SUN FIRM



2019
TAIWAN EXCELLENCE



2019
National Brand Yushan Award
The Best Enterprise
First Prize in The Best Products



2018
TAIWAN EXCELLENCE
TRADEMARK AWARD

MACHINERY

Multiple Guide Way Heavy Duty CNC Lathe

CLT Series



SUN FIRM MACHINERY IND.CO.,LTD.

NO.155, GONGYE 11TH RD., DALI DIST., TAICHUNG CITY 41280, TAIWAN

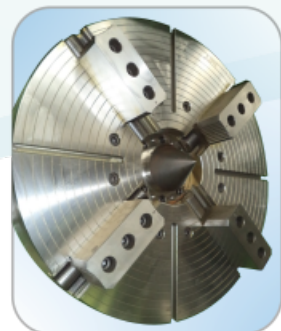
TEL:886-4-24913781

FAX:886-4-24915322

E-mail:sunfirm@ms34.hinet.net

http://www.sunfirm.com

Main Features



Powerful 4-Jaw Chuck

- High-rigidity structure with heavy loading capacity and stable operation.



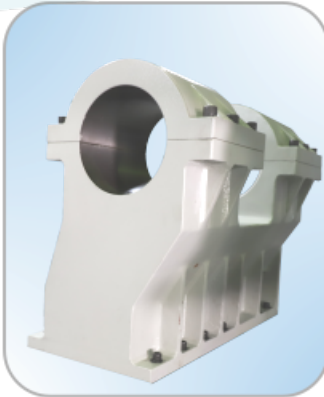
Grinding Attachment

- High rigidity and high spindle RPM are designed to improve component surface smoothness.



Live Tooling (C-Axis) + (Y-Axis)

- It is able to make spindle high precision index position, fitted with power tooling turret, will complete with turning, milling, drilling and tapping capacities.
- Machine can be equipped with Y-axis to improve the processing capability for complex workpieces.



Boring Attachment

- The carriage can be matched with high rigidity, deep hole special boring holder.



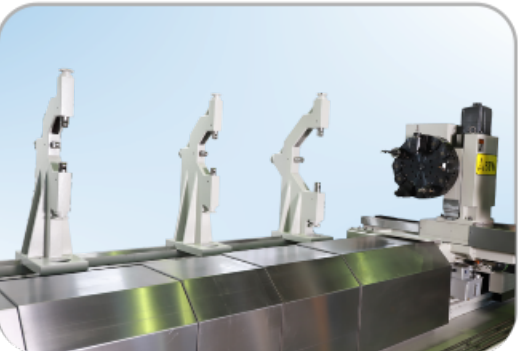
Powerful Tailstock

- Powerful Tailstock with extra large quill diameter and special design of quill, achieves the best balance between heavy cutting strength and machining efficiency.



Head Stock

- Large spindle bore supported by 3-point precision bearing which is suitable in accuracy and heavy duty.
- All gears and spline shafts are made of Ni-Cr-Mo steel, carbonize and ground.



Half Carriage

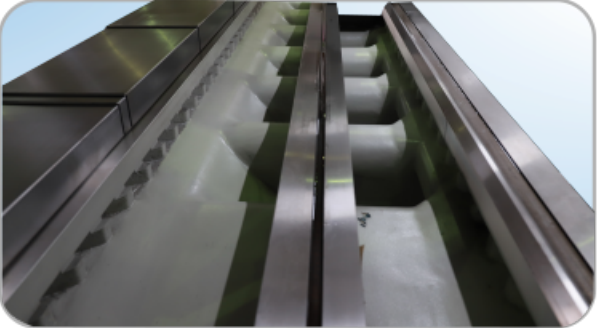
- Half carriage won't interfere with steady rests and tailstock during turning.

Control Panel

- Conversational Programming Function
- Tool Compensasion
- Portable MPG Handwheel
- Machine Condition Monitoring



Fully Enclosed Safety Guarding



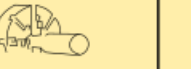
Multiple Guide Way

- One-piece machine bed which is most suitable for heavy duty machining

Shipping Dimensions

CLT	Model	N.W.(kg)	G.W.(kg)	Model	N.W.(kg)	G.W.(kg)	Model	N.W.(kg)	G.W.(kg)	L X W X H (cm)
	4680	20000	24000	5280	21000	25000	5880	22000	26000	750 X 370 X 285
	46120	22000	26000	52120	23000	27000	58120	24000	28000	850 X 370 X 285
	46160	24000	28000	52160	25000	29000	58160	26000	30000	950 X 370 X 285
	46200	26000	30000	52200	27000	31000	58200	28000	32000	1050 X 370 X 285
	46240	28000	32500	52240	29000	33500	58240	30000	34500	1150 X 370 X 285
	46280	30000	35000	52280	31000	36000	58280	32000	37000	1250 X 370 X 285
	46320	32500	38000	52320	33500	39000	58320	34500	40000	1350 X 370 X 285
	46360	35000	41000	52360	36000	42000	58360	37000	43000	1450 X 370 X 285
	46400	37500	44000	52400	38500	45000	58400	39500	46000	1550 X 370 X 285

Loading Capacity

Support Method					
	LOAD BETWEEN CENTERS	ONE STEADY REST	4-JAW CHUCK	ROLLER STEADY REST	C-TYPE STEADY REST
Support Capacity	12000 kgs	15000 kgs	1700 kgs	20000 kgs	13500 kgs

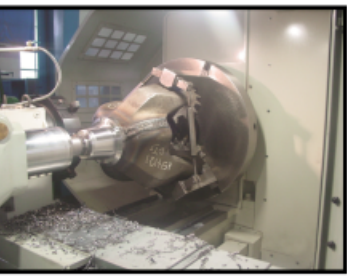
Working Examples



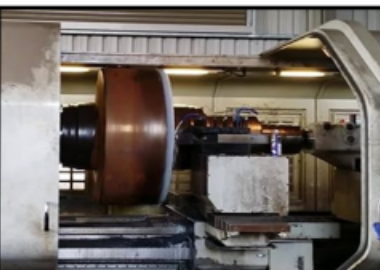
Steel Roller



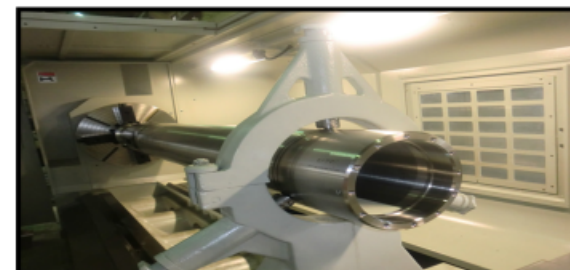
Steel Tie Rod



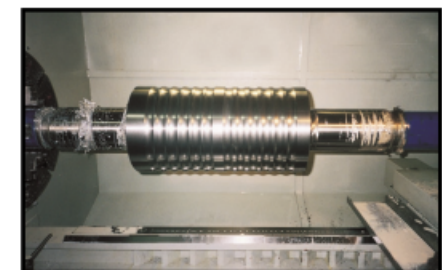
Steel Drill Pipe



Roller



Pipe



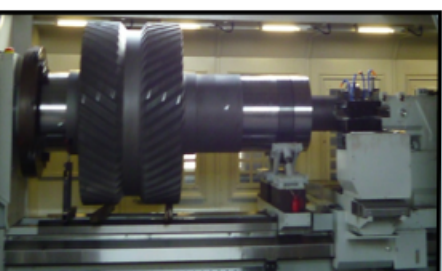
Steel Roller



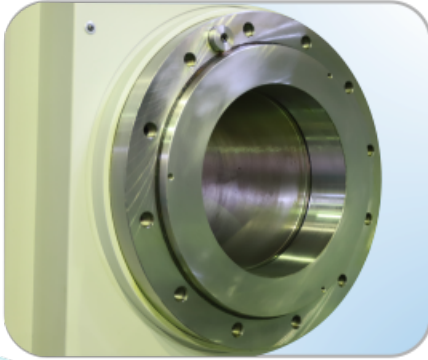
Wheel Hub



Casting Roller



Gear



Large Spindle Bore

- Spindle bore can select 153 mm(6"), 230 mm(9"), 310 mm(12"), 406 mm(16")