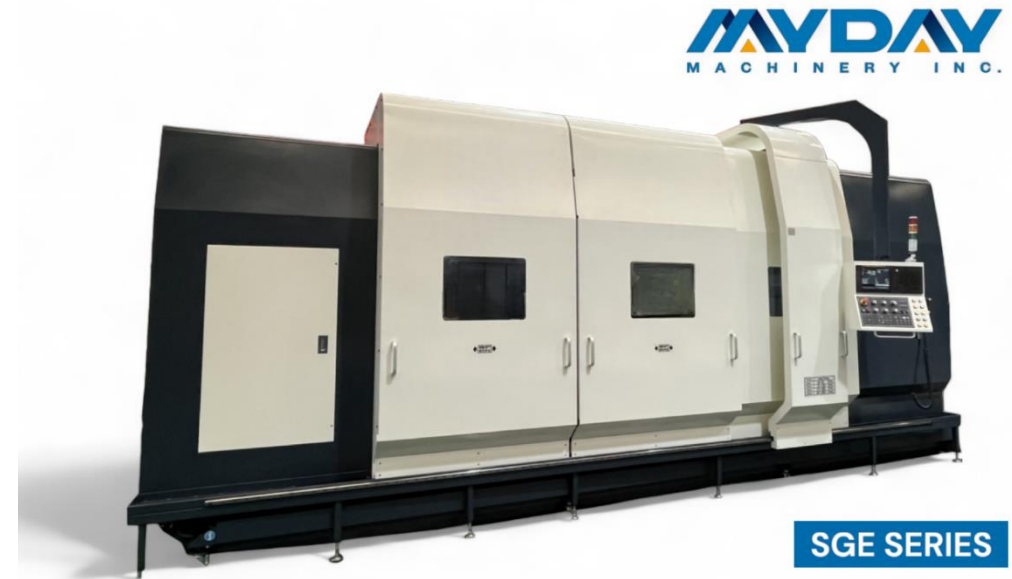
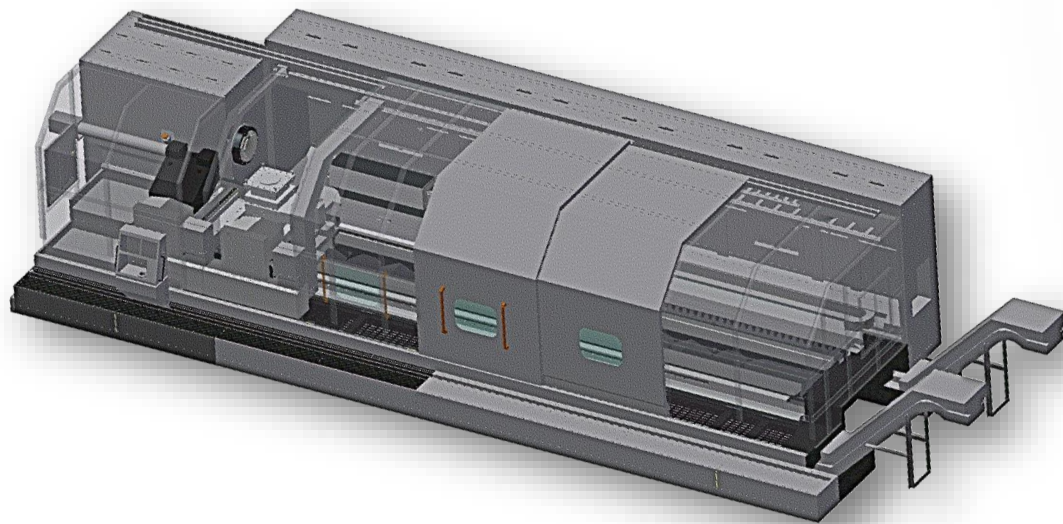


CNC Four Guideway Lathe SGE series



SGE SERIES

Contents

- Specification	P1
Accessory	P2
Feature	P3
● Structure	
● Application	
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	SGE1500S		SGE1500	
Swing over Bed	1500 mm			
Swing over Cross Slide	1000 mm			
Width of Bed	1350 mm			
Distance Between Centers	3000 ~ 15000 mm			
Spindle Bore / Nose	150 mm / A2-15	156 mm / A2-11	230 mm / A2-15	
Spindle Speeds / Steps	1200 rpm / 3	600 rpm / 4	400 rpm / 4	
Rapid Travel Speed (Z / X)	8 / 6 m/min			
Max. Axes Travel (Z / X)	3600 ~ 15600 mm / 550 mm			
Ball Screw (Z / X)	Ø80* / Ø50			
Tailstock Quill Diameter	220 mm		290 mm	
Tailstock Quill Taper	MT6		MT7	
Tailstock Quill Travel	250 mm			
CNC System	Fanuc 0i-TF, Siemens 828D			
Spindle Motor	37 KW			

* Z-axis transmission is by Rack and dual pinions if DBC $\geq$ 6m, or if there are two carriages.



Accessories

Standard Accessories

CNC controller: Fanuc 0i-TF or Siemens 828D
CF-axis: Rapid speed 10 rpm
AC spindle motor
Spindle oil cooler
Electric cabinet air conditioner
Auto lubrication system
Coolant system
Fully-enclosed Splash Guard
Chip conveyor
Adapter sleeve and tool centers
Motorized Tailstock with rotary quill
Leveling bolts & pads
Tool box with oiler, spare fuse, paint & tools
Operation & service manual

Optional Accessories

2second Carriage
3-Jaw Chuck
4-Jaw Chuck
Electrical Transformer
Hydraulic 4-Way Toolpost
Hydraulic 8-Station Turret
Servo Turret 8-station
Servo Turret 12-station
Power Turret 12-station
Grinding
Steady - 3-point C-shape type



Delivery : 150~240 days

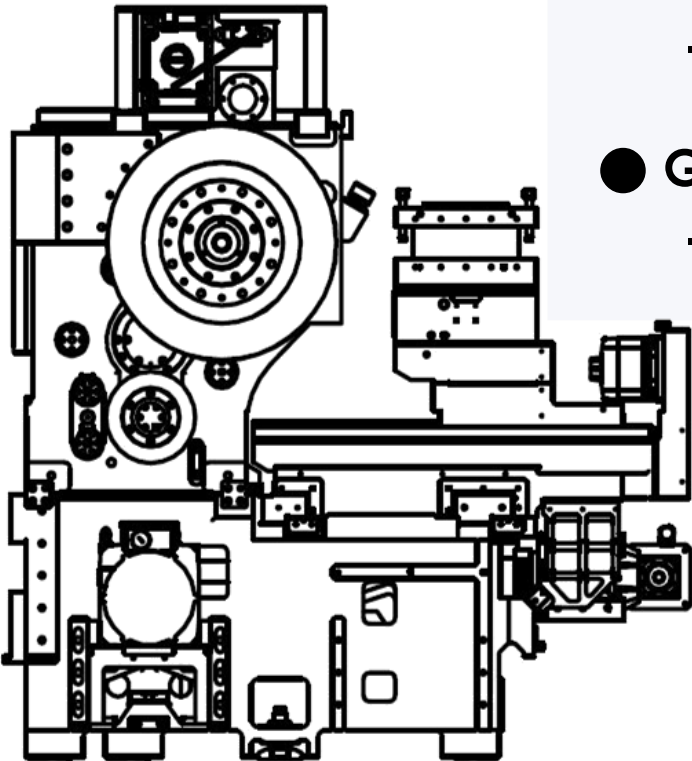


Structure

- 2nd model of Multi-Guideway lathe
 - Following SGF series ([refer to P12](#))
- All box way of X & Z axes
 - Geometric accuracy control for two carriages
 - Prepare for Y-axis
- Gear Reducer with Rack and Pinions
 - Back lash free

Application

- Multiple Processes
 - Available with second carriage ([refer to P13](#))
 - Full stroke on two carriages ([refer to P14](#))

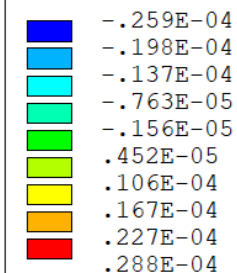
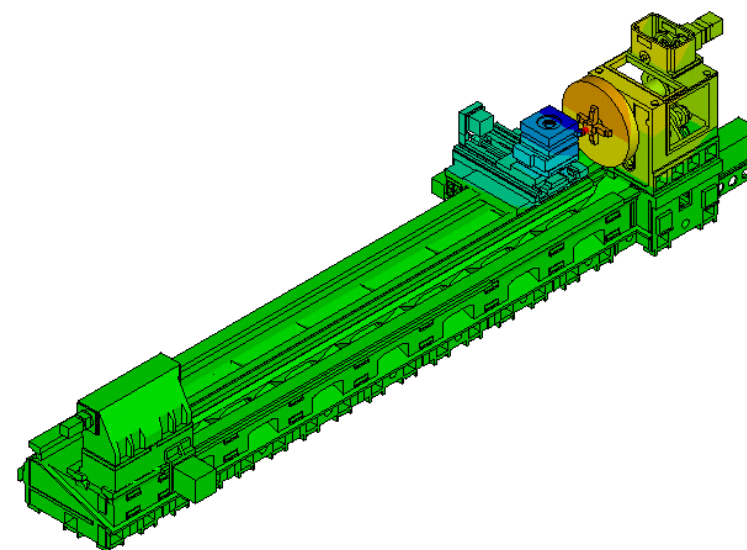
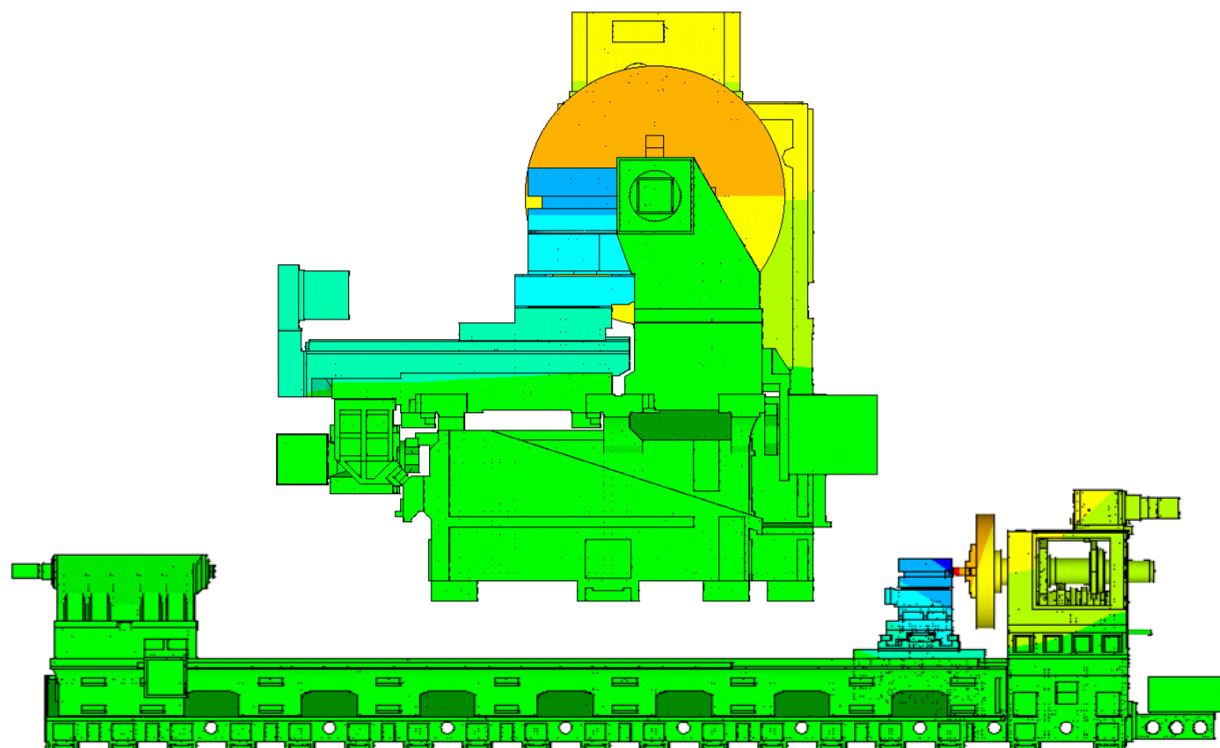


Static Rigidity Test



Finite Element Analysis (FEA) with PMC

- Government owned third Party
- Expert technicians for modeling & analysis

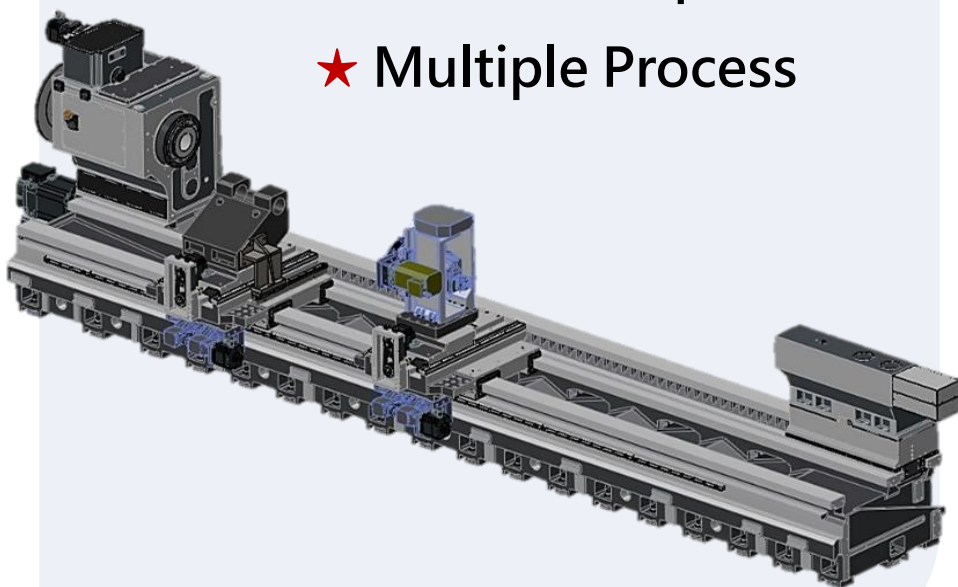


Model Selection: SGE & SGF

SGE series

Bed Width: 1350 mm

- ★ General Purpose
- ★ Multiple Process



SGF series

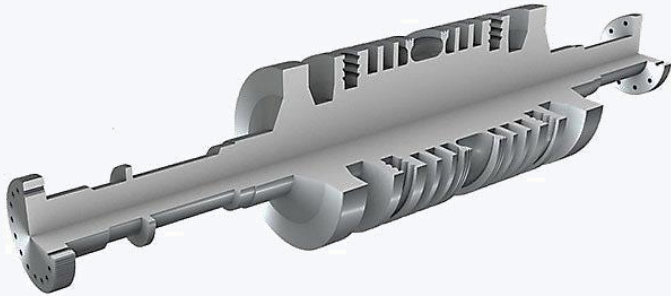
Bed Width: 1345 mm

(1575 mm with auxiliary guideway)

- ★ Heavy Workpiece Loading



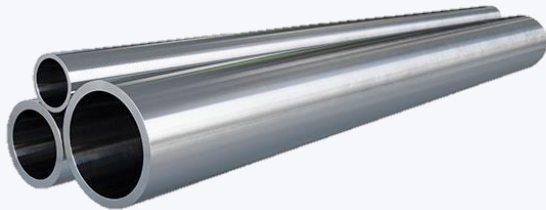
Aerospace - Turbine Shafts



Green Energy - Wind-power Shafts



Oil & Gas - Drilling Pipes



Marine - Power Shaft



Model: SGE1500.30.9

Manufacture Year: 2023

**Product: Gearbox
Transmission Solutions**

**Industry: Wind Energy
Railway
Oil & Gas
Mining
Rubber & Plastic
Crane & Hoist**



Reference – The Accessories



- Controller: FANUC 0i-TF
- CF-axis
- Power Turret TBMR320
- Ø290mm Rotary Quill



Guideway Comparison: SGE & SGF

[Back](#)

SGF series

SGE series

Force!

Efficiency!

Bed Width: 1345 mm
(1575 mm with auxiliary guideway)

Bed Width: 1350 mm



Multiple Processes - Second Carriage

P11

[Back](#)

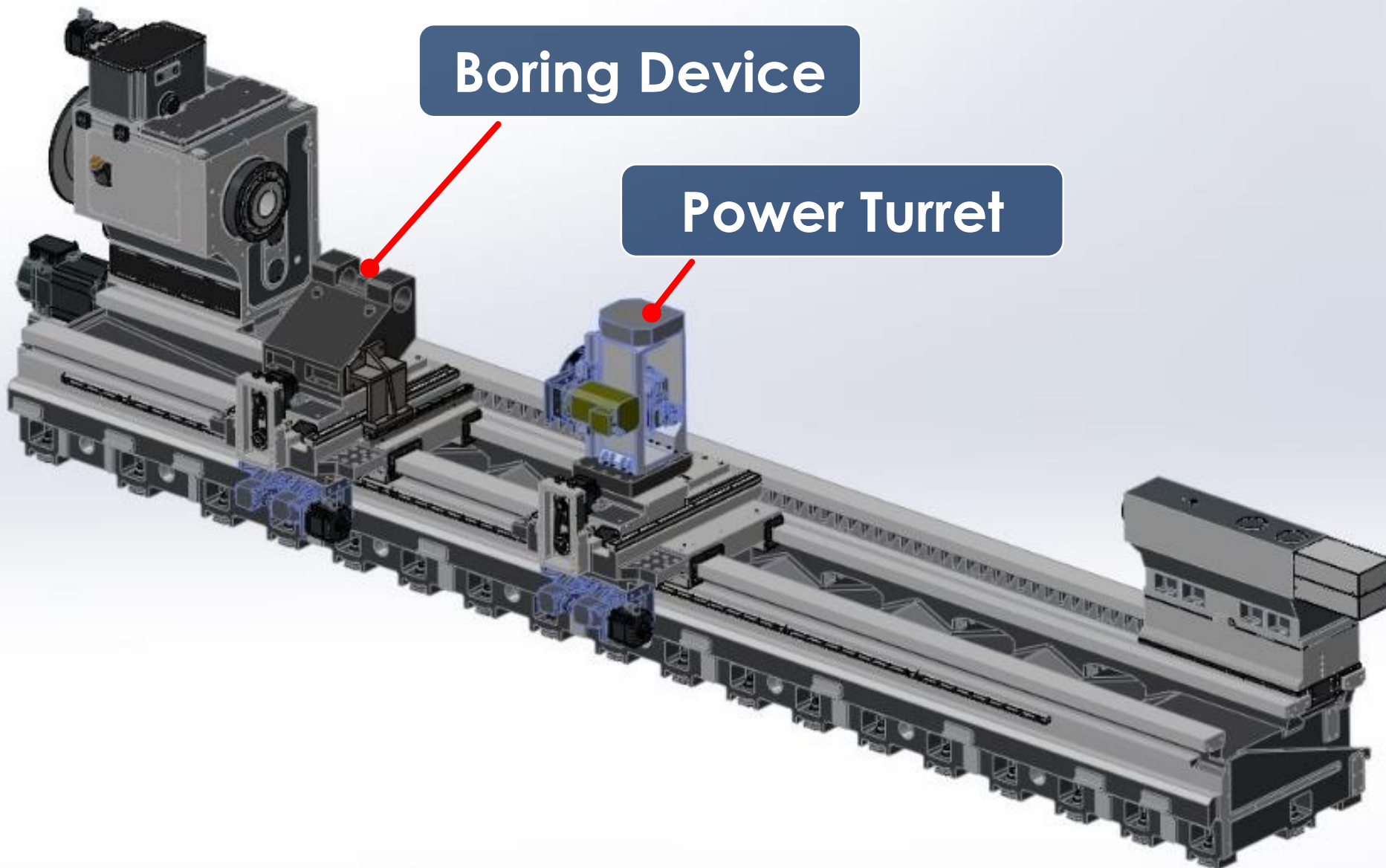


Photo Gallery

SGE- One Carriage Design



SGE- One Carriage Design



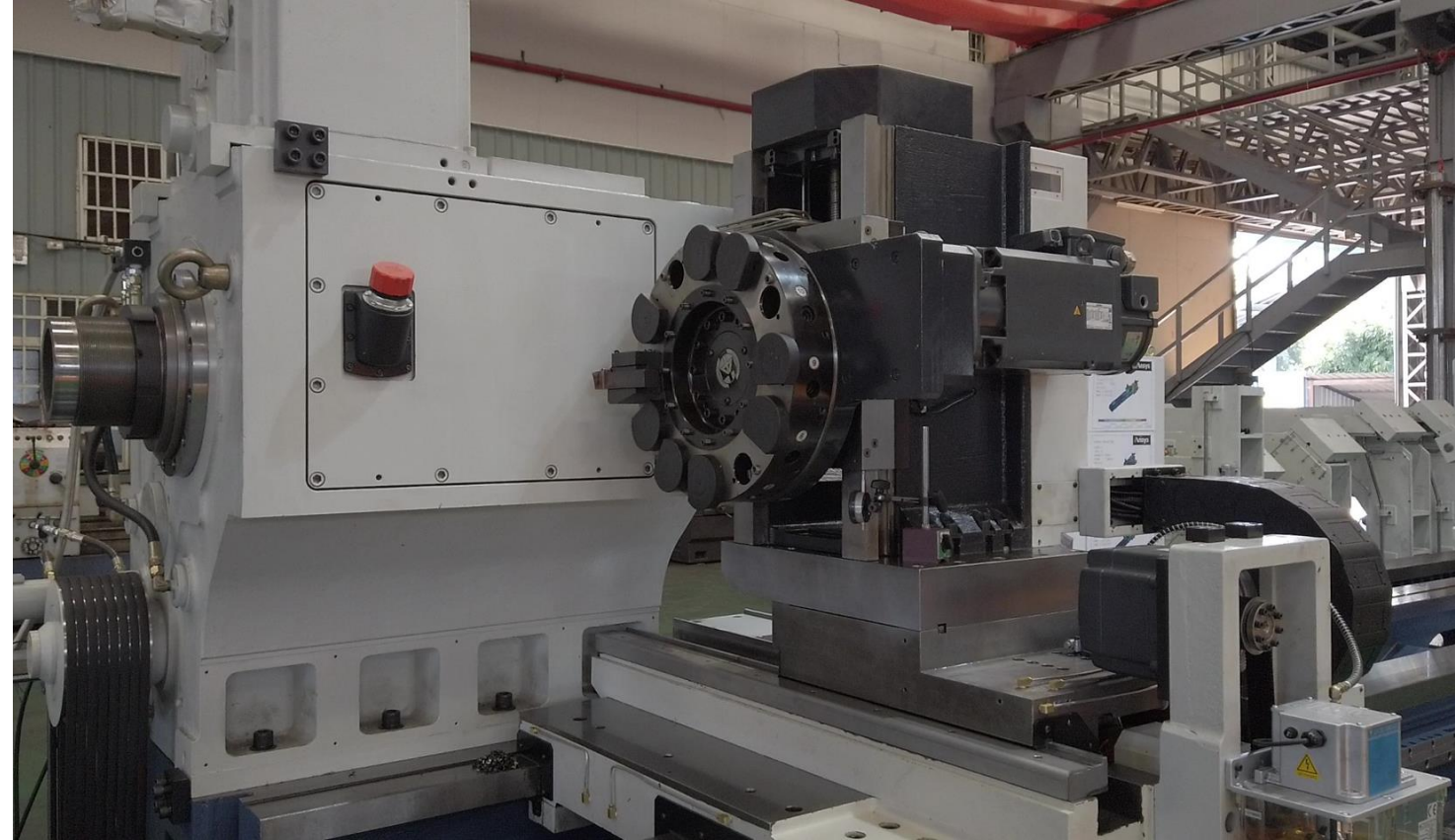
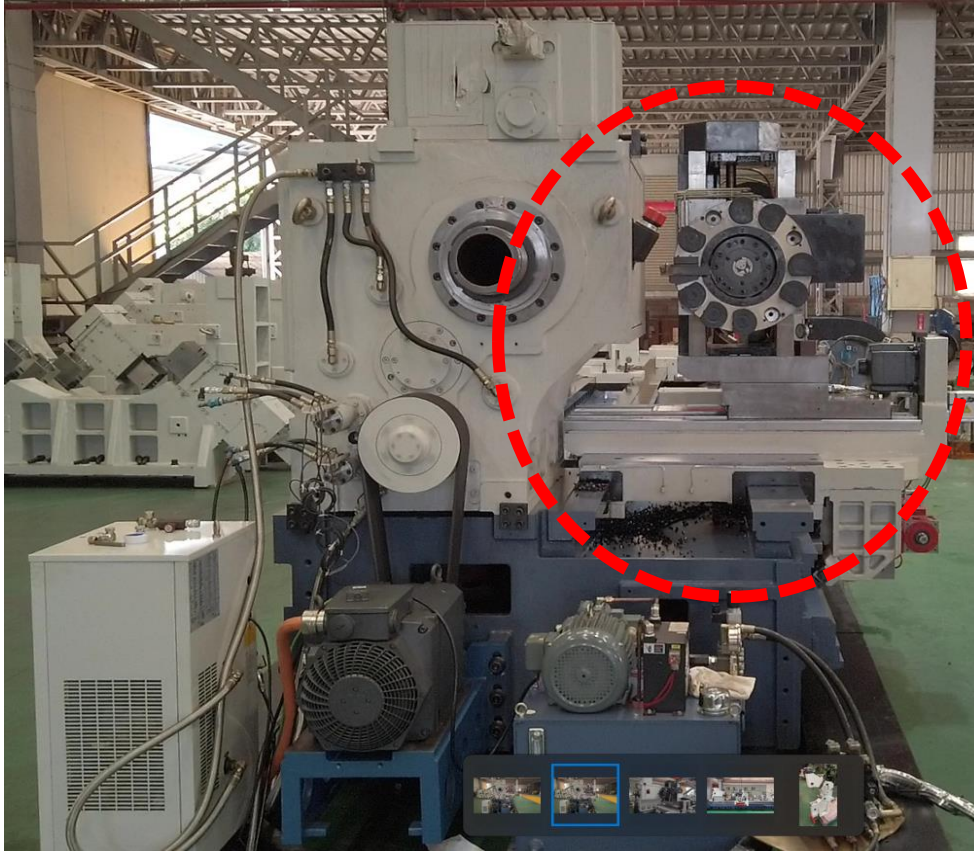
SGE- Dual Carriage Design



SGE- Dual Carriage Design



Video Gallery



Multiple Processes - Full stroke on two carriages

<https://drive.google.com/file/d/1Vu5MAa52xmq0DQfQ3Tpl96svAfvJa4iU/view?usp=sharing>



SGE1500.30.9 (One Carriage Model)

<https://www.youtube.com/watch?v=-lC8twEccCg>



TIMTOS 2025- MYDAY SGE (Dual Carriage Model)

<https://www.youtube.com/watch?v=dw4BrfbpOrc>

<https://youtu.be/nw2IVCqRE7w>

