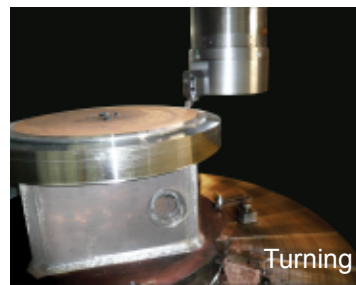
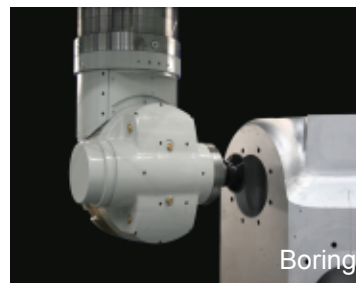
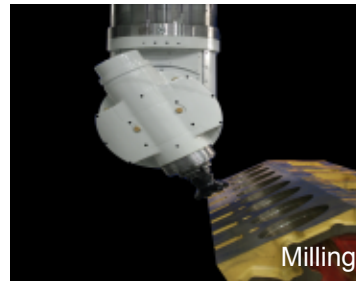
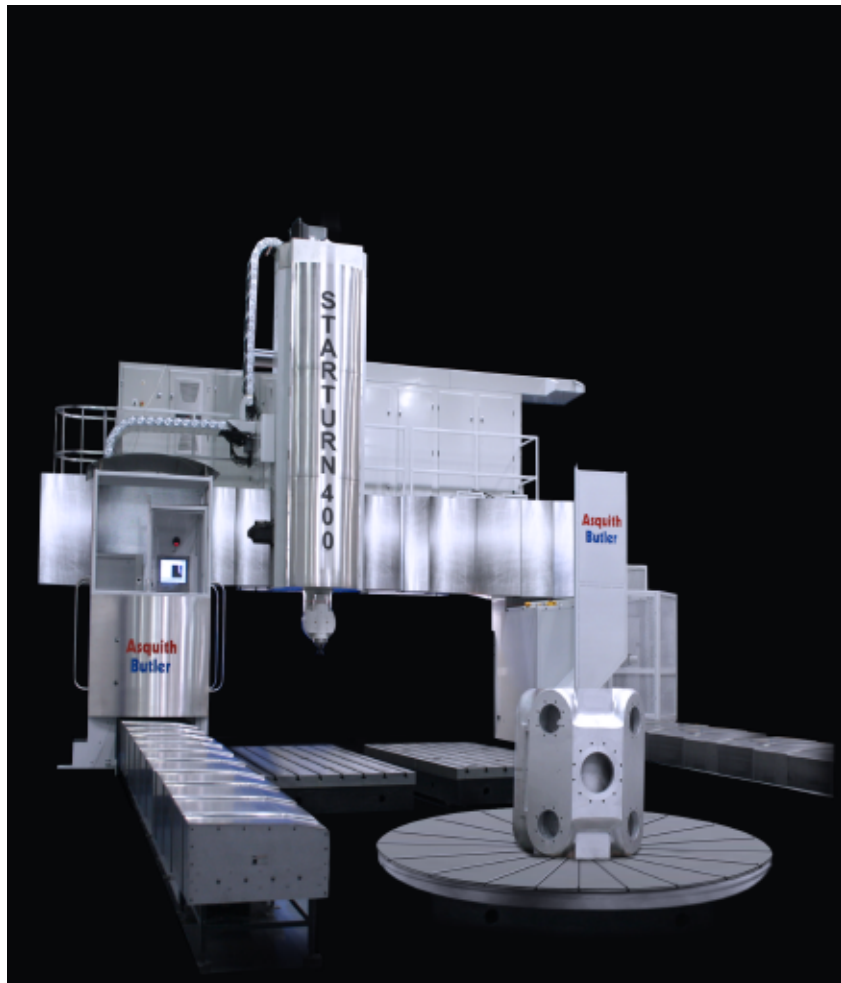


STARTURN - 280/400/650

www.asquithbutler.com

Vertical Mill/Turn - Travelling Gantry (VTG)

Features



StarTurn

- Modular design
- 5 Sided Prismatic Machining Capability
- Vertical Turning & Boring Capability
- Multiple Working Zones
- Control systems from Heidenhain, Fanuc or Siemens
- Auto Tool Changing for Milling & Turning modes
- Automatic Head Changing for Milling & Turning
- Milling Spindle Power up to 60 kW
- Turning Spindle (Table) Power 50 – 100 kW
- Turning Spindle (Table) Dia 3m – 5m
- Coolant – Internal Thru Spindle / Tool – High Pressure
- Coolant – External Flood system
- High Structural Integrity (stiffness)
- Milling / Turning Ram with integral damping system
- Enhanced Measuring / Feedback to all axis
- Volumetric Compensation System (VCS) Option
- Component & Tool probing Systems
- Multiple – Milling & Turning Head Options

STARTURN - 280/400/650

Vertical Mill/Turn - Travelling

Specifications and Dimensions

StarTurn Vertical Mill/Turn – Travelling Gantry Machining Centre

Axis Travels

Gantry	X Axis	3000mm upwards in increments to 30000mm
Headslide	Y Axis	3000mm upwards in increments to 6000mm
Ram	Z Axis	1000 / 1250 / 1500 / 1750 / 2000 / 2500mm
Ram	C Axis	0 to 360 degrees

Spindle - Milling

Spindle Power Milling	40 / 50 / 60 kW
Spindle Speed Milling	2250 – 4000 Rpm
Spindle Taper	ISO 50 DIN

Spindle – Turning (Table)

Table Top	Diameter - 3m / 4m / 5m
Spindle Power Turning	60 / 80 / 100 kW (Twin Motor System)
Spindle Speed Turning	100 / 50 / 20 Rpm
Spindle Taper CAPTO	C6 / C8

Axis feed & Traverse Rates

	Feed Rate	Traverse Rate	Thrust
X Axis	20000 mm/min	20000 mm/min	25000 N
Y Axis	20000 mm/min	20000 mm/min	25000 N
Z Axis	20000 mm/min	20000 mm/min	25000 N

Auto Tool-Changer Auto Head-Changer

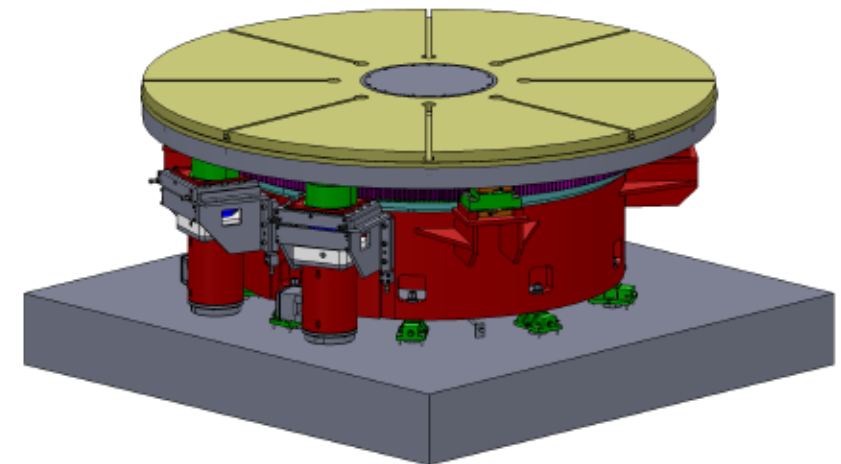
40 / 60 / 80 / 100 / 120 Pocket
Rotary Carousel for 4 – 6 heads

Head Options

Basic (Milling)	In-Line (Vertical Spindle)
Basic (Turning)	Horizontal / Vertical (Block Type)
Option (Milling)	1 Degree - Auto Indexing Head
Option (Milling)	2 Axis Servo Head (Electro Spindle)
Option (Turning)	Multi Tool – Turret type

Accuracy and Repeatability

	Accuracy	Repeatability
X/Y/Z Axis	0.015 mm	0.010mm
C / B Axis	TBA	TBA



Turning Table Data:

Table Size (Dia)	3m	4m	5m
Load Capacity (Kg)	30	40	50
Speed (Rpm)	100	50	20
Power (kW)	60	80	100
Torque (Nm)	25,000	40,000	50,000

