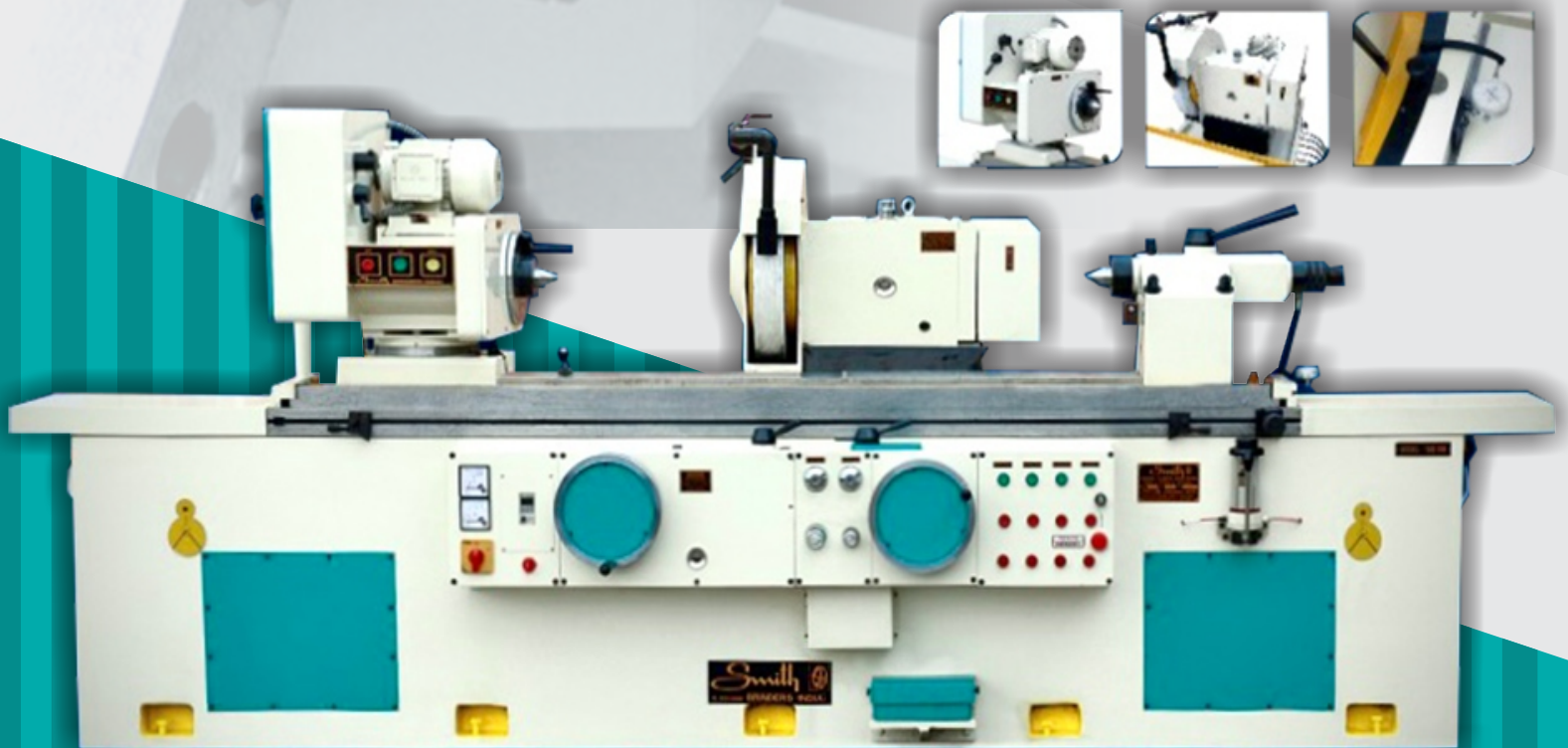




**Smith** GRINDERS (INDIA)

WE ARE SMITH GRINDERS  
MANUFACTURERS & EXPORTERS OF

**UNIVERSAL CYLINDRICAL  
GRINDING MACHINE**



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## SGI 455MM

### PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE



#### SPECIFICATIONS SGI 455MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE

DESCRIPTION	SPECIFICATIONS
Table Swivel	9+3
Center Height	140 mm
Swing over table	270 mm
<b>WORK HEAD</b>	
Speed	Variable with AC Drive
Morse Taper	MT 3
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>TABLE</b>	
Stepless	MECHANICAL/HYDRAULIC/SERVO
<b>WHEEL HEAD</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	175mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 350 X ID 127mm X Width 38mm
<b>POWER</b>	
Work Head	0.5 HP Geared Motor
Wheel Head	3 HP
Table Feed	1 HP induction or 1.5 Kw servo
Cross Feed	1.5 Kw servo for servo models.
Coolant	0.5 HP
Internal Grinding Attachment	1.0 HP
Lubrication Pump	90 Watts

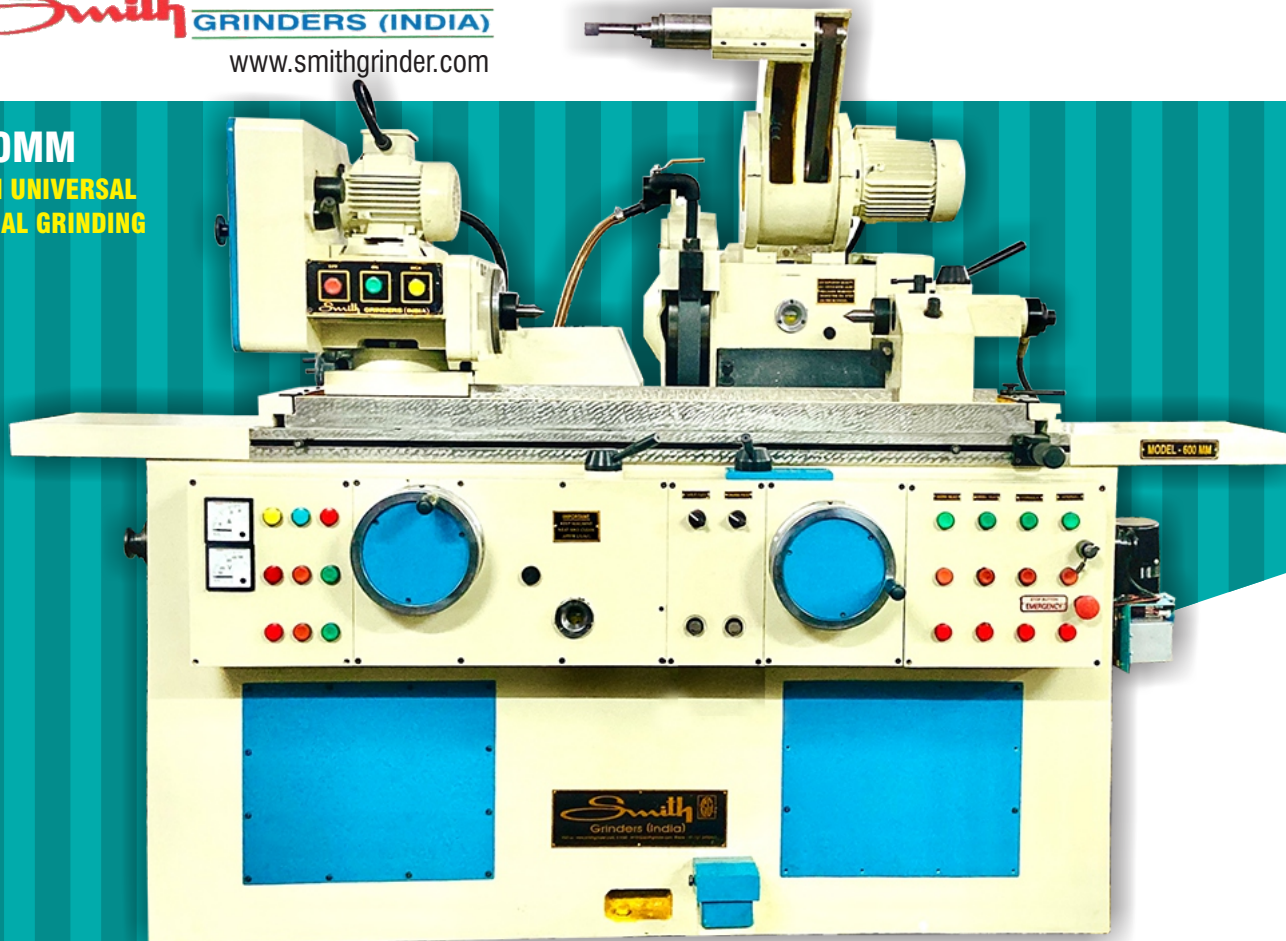
#### FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
- Power Operated Tail Stock for Hydraulic Machines.
- Absolute PLC System of latest technologies with FiberOptical Cables to Control interpolation of 2 axis brand Mitsubishi/Siemens's
- Absolute CNC System we use latest version of Fanuc/Siemens/Mitsubishi as per Customer's requirements
- Hydraulic Power packs Yuken/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).



## SGI 600MM

### PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE



#### SPECIFICATIONS SGI 600MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE

Description	Specifications
Table Swivel	9+3
Center Height	140 mm
Swing over table	270 mm
<b>Work Head</b>	
Speed	Variable with AC Drive
Morse Taper	MT 3
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>Table</b>	
Stepless	MECHANICAL/HYDRAULIC/SERVO
<b>Wheel Head</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	175mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 350 X ID 127mm X Width 38mm
<b>POWER</b>	
Work Head	0.5 HP Geared Motor
Wheel Head	3 HP
Table Feed	1 HP induction or 1.5 Kw servo
Cross Feed	1.5 Kw servo for servo models.
Coolant	0.5 HP
Internal Grinding Attachment	1.0 HP
Lubrication Pump	90 Watts

#### FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
- Power Operated Tail Stock for Hydraulic Machines.
- Absolute PLC System of latest technologies with FiberOptical Cables to Control interpolation of 2 axis brand Mitsubishi/Siemens's
- Absolute CNC System we use latest version of Fanuc/Siemens/Mitsubishi as per Customer's requirements
- Hydraulic Power packs Yuken/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).

## SGI 800MM

### PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE



#### SPECIFICATIONS SGI 800MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE

Description	Specifications
Table Swivel	6+3
Center Height	140 mm
Swing over table	270 mm
<b>Work Head</b>	
Speed	Variable with AC Drive
Morse Taper	MT 3
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>Table</b>	
Stepless	MECHANICAL/HYDRAULIC/SERVO
<b>Wheel Head</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	175mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 350 X ID 127mm X Width 38mm
<b>POWER</b>	
Work Head	0.5 HP Geared Motor
Wheel Head	3 HP
Table Feed	1 HP induction or 1.5 Kw servo
Cross Feed	1.5 Kw servo for servo models
Coolant	0.5 HP
Internal Grinding Attachment	1.0 HP
Lubrication Pump	90 Watts

#### FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
- Power Operated Tail Stock for Hydraulic Machines.
- Absolute PLC System of latest technologies with FiberOptical Cables to Control interpolation of 2 axis brand Mitsubishi/Siemens's
- Absolute CNC System we use latest version of Fanuc/Siemens/Mitsubishi as per Customer's requirements
- Hydraulic Power packs Yuken/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).



## SGI 1000MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE



### SPECIFICATIONS SGI 1000MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE

Description	Specifications
Table Swivel	6+3
Center Height	155
Swing over table	300
<b>Work Head</b>	
Speed	Variable with AC Drive
Morse Taper	MT 4
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>Table</b>	
Stepless	MECHANICAL/HYDRAULIC/SERVO
<b>Wheel Head</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	175mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 400 X ID 127mm X Width 38mm
<b>POWER</b>	
Work Head	0.5 HP Geared Motor
Wheel Head	3 HP
Table Feed	1 HP induction or 1.5 Kw servo
Cross Feed	1.5 Kw servo for servo models.
Coolant	0.5 HP
Internal Grinding Attachment	1.0 HP
Lubrication Pump	90 Watts

### FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
- Power Operated Tail Stock for Hydraulic Machines.
- Absolute PLC System of latest technologies with FiberOptical Cables to Control interpolation of 2 axis brand Mitsubishi/Siemen's
- Absolute CNC System we use latest version of Fanuc/Siemens/Mitsubishi as per Customer's requirements
- Hydraulic Power packs Yuken/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).

## SGI 1250MM

### PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE



#### SPECIFICATIONS SGI 1250MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE

Description	Specifications
Table Swivel	6+3
Center Height	155
Swing over table	300
<b>Work Head</b>	
Speed	Variable with AC Drive
Morse Taper	MT 4
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>Table</b>	
Stepless	MECHANICAL/HYDRAULIC/SERVO
<b>Wheel Head</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	175mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 400 X ID 127mm X Width 38mm
<b>POWER</b>	
Work Head	0.5 HP Geared Motor
Wheel Head	3 HP
Table Feed	1 HP induction or 1.5 Kw servo
Cross Feed	1.5 Kw servo for servo models.
Coolant	0.5 HP
Internal Grinding Attachment	1.0 HP
Lubrication Pump	90 Watts

#### FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
- Power Operated Tail Stock for Hydraulic Machines.
- Absolute PLC System of latest technologies with FiberOptical Cables to Control interpolation of 2 axis brand Mitsubishi/Siemens's
- Absolute CNC System we use latest version of Fanuc/Siemens/Mitsubishi as per Customer's requirements
- Hydraulic Power packs Yuken/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).

## SGI 1500MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE HEAVY DUTY



### SPECIFICATIONS SGI 1500MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE

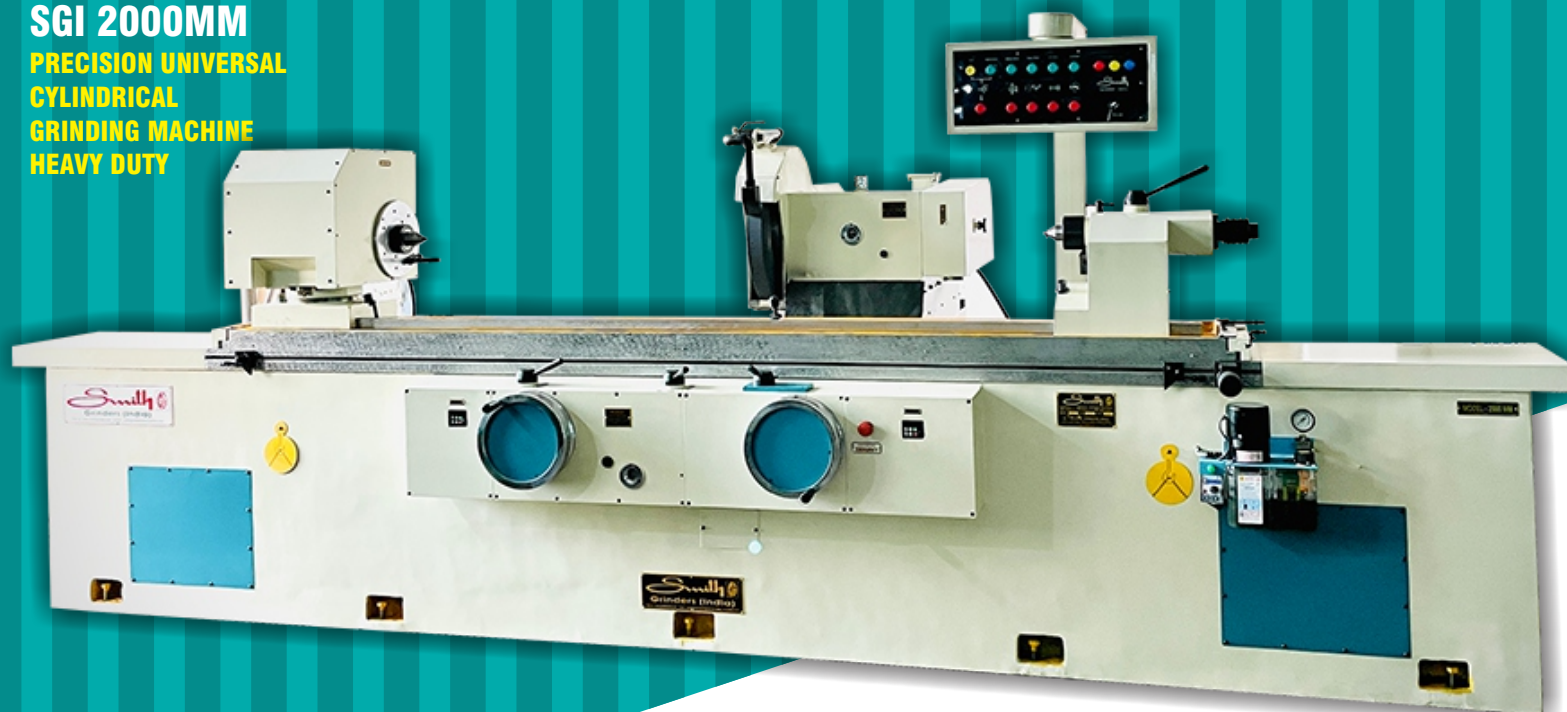
Description	Specifications
Table Swivel	6+3
Center Height	250
Swing over table	490
<b>Work Head</b>	
Speed	Variable with AC Drive
Morse Taper	MT 5
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>Table</b>	
Stepless	HYDRAULIC/SERVO
<b>Wheel Head</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	250mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 500 X ID 254mm X Width 50mm
<b>POWER</b>	
Work Head	1.5 HP Geared Motor
Wheel Head	5 HP
Table Feed	2 HP induction or 1.5 Kw servo
Cross Feed	1.5 Kw servo for servo models.
Coolant	0.5 HP
Internal Grinding Attachment	1.5 HP
Lubrication Pump	90 Watts

### FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
- Power Operated Tail Stock for Hydraulic Machines.
- Absolute PLC System of latest technologies with FiberOptical Cables to Control interpolation of 2 axis brand Mitsubishi/Siemen's
- Absolute CNC System we use latest version of Fanuc/Siemens/Mitsubishi as per Customer's requirements
- Hydraulic Power packs Yuken/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).



**SGI 2000MM**  
**PRECISION UNIVERSAL**  
**CYLINDRICAL**  
**GRINDING MACHINE**  
**HEAVY DUTY**



**SPECIFICATIONS SGI 2000MM PRECISION UNIVERSAL**  
**CYLINDRICAL GRINDING MACHINE**

Description	Specifications
Table Swivel	6+3
Center Height	250
Swing over table	490
<b>Work Head</b>	
Speed	Variable with AC Drive
Morse Taper	MT 5
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>Table</b>	
Stepless	HYDRAULIC/SERVO
<b>Wheel Head</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	250 mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 500 X ID 254mm X Width 50mm
<b>POWER</b>	
Work Head	1.5 HP Geared Motor
Wheel Head	5 HP
Table Feed	2 HP induction or 2 Kw servo
Cross Feed	1.5 Kw servo for servo models
Coolant	0.5 HP
Internal Grinding Attachment	1.5 HP
Lubrication Pump	90 Watts

**FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING**  
**MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.**

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
- Power Operated Tail Stock for Hydraulic Machines.
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- Hydraulic Power packs Yuken/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).



**SGI 2500MM**  
**PRECISION UNIVERSAL**  
**CYLINDRICAL**  
**GRINDING MACHINE**  
**HEAVY DUTY**



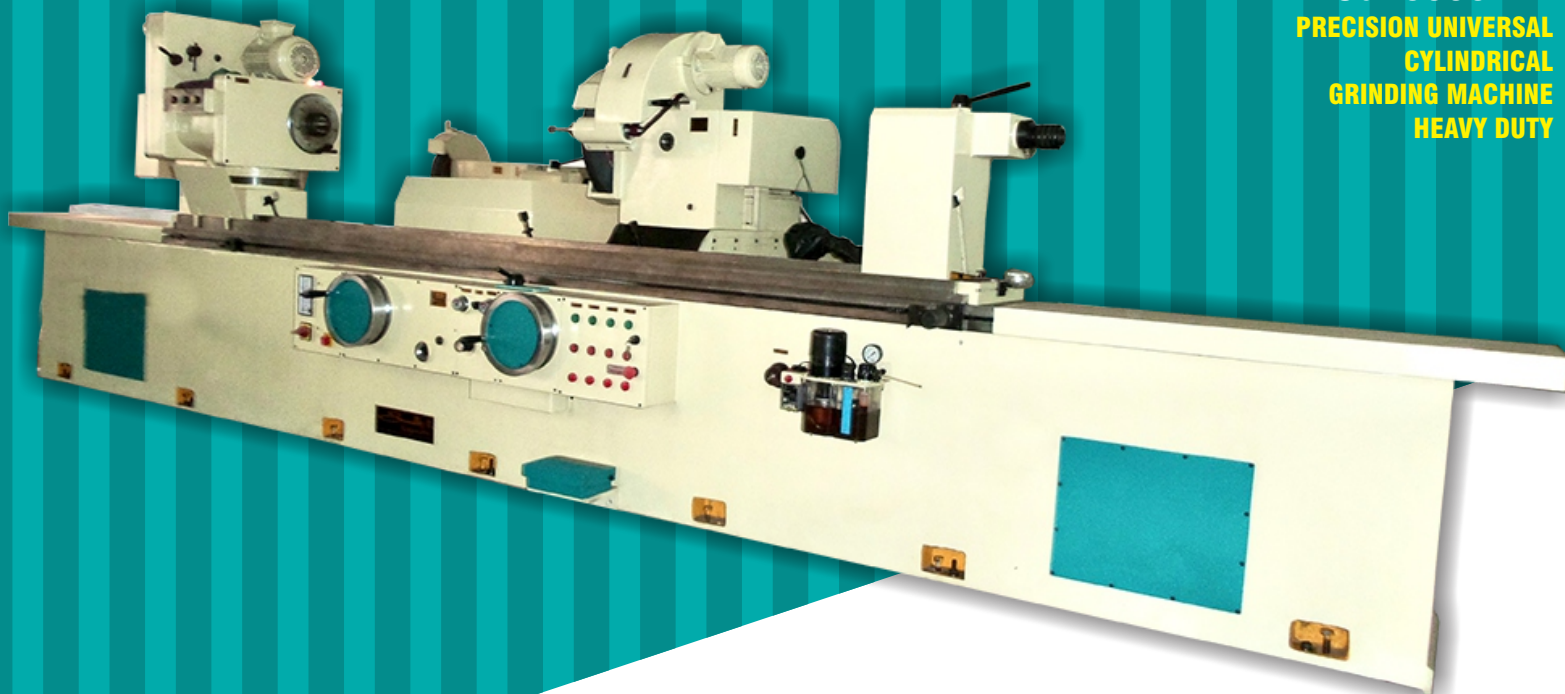
**SPECIFICATIONS SGI 2500MM PRECISION UNIVERSAL  
CYLINDRICAL GRINDING MACHINE**

Description	Specifications
Table Swivel	6+3
Center Height	250
Swing over table	490
<b>Work Head</b>	
Speed	Variable with AC Drive
Morse Taper	MT 5
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>Table</b>	
Stepless	HYDRAULIC/SERVO
<b>Wheel Head</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	250 mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 500 X ID 254mm X Width 50mm
<b>POWER</b>	
Work Head	1.5 HP Geared Motor
Wheel Head	5 HP
Table Feed	3 HP induction or 3 Kw servo
Cross Feed	1.5 Kw servo for servo models
Coolant	0.5 HP
Internal Grinding Attachment	1.5 HP
Lubrication Pump	90 Watts

**FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING  
MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.**

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
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- Hydraulic Power packs Yuken/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).

**SGI 3000MM**  
**PRECISION UNIVERSAL**  
**CYLINDRICAL**  
**GRINDING MACHINE**  
**HEAVY DUTY**



**SPECIFICATIONS SGI 3000MM PRECISION UNIVERSAL  
CYLINDRICAL GRINDING MACHINE**

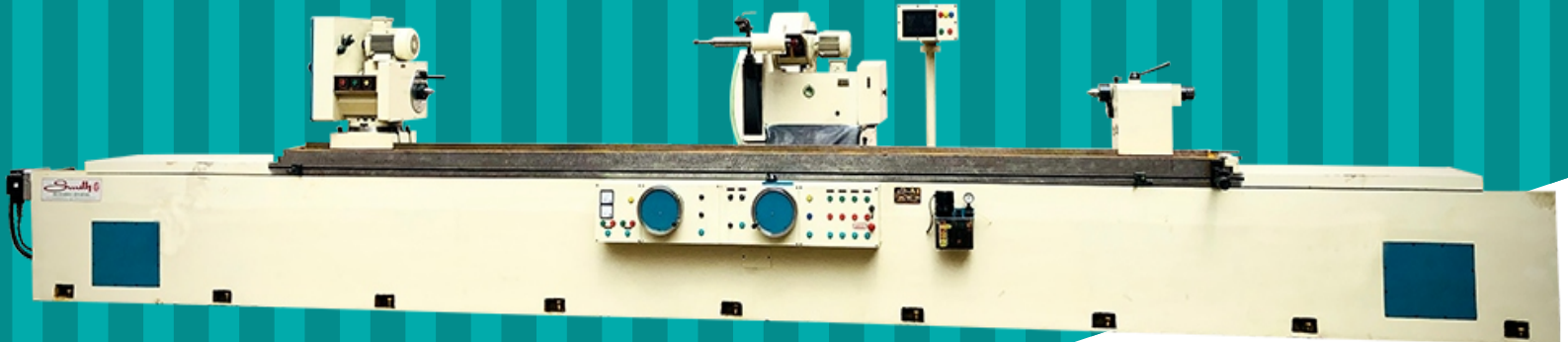
Description	Specifications
Table Swivel	6+3
Center Height	250
Swing over table	490
<b>Work Head</b>	
Speed	Variable with AC Drive
Morse Taper	MT 5
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>Table</b>	
Stepless	HYDRAULIC/SERVO
<b>Wheel Head</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	250 mm
Increment with Handwheel	0.005mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 500 X ID 254mm X Width 50mm
<b>POWER</b>	
Work Head	1.5 HP Geared Motor
Wheel Head	5 HP
Table Feed	3 HP induction or 3 Kw servo
Cross Feed	1.5 Kw
Coolant	0.5 HP
Internal Grinding Attachment	1.5 HP servo for servo models.
Lubrication Pump	90 Watts

**FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING  
MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.**

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
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- Hydraulic Power packs Yuken/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).

# SGI 4000MM

## PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE HEAVY DUTY



### SPECIFICATIONS SGI 4000MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE

Description	Specifications
Table Swivel	6+3
Center Height	300
Swing over table	590
<b>Work Head</b>	
Speed	Variable with AC Drive
Morse Taper	MT 5
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>Table</b>	
Stepless	Through Servo Motor
<b>Wheel Head</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	300mm
Increment with Handwheel	0.001mm and 0.01mm and 0.10mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 600 X ID 304.8mm X Width 60mm
<b>POWER</b>	
Work Head	3 HP Geared Motor
Wheel Head	10 HP
Table Feed	3 Kw
Cross Feed	1.5 Kw servo
Coolant	0.5 HP
Internal Grinding Attachment	1.5 HP
Lubrication Pump	90 Watts 2 nos.

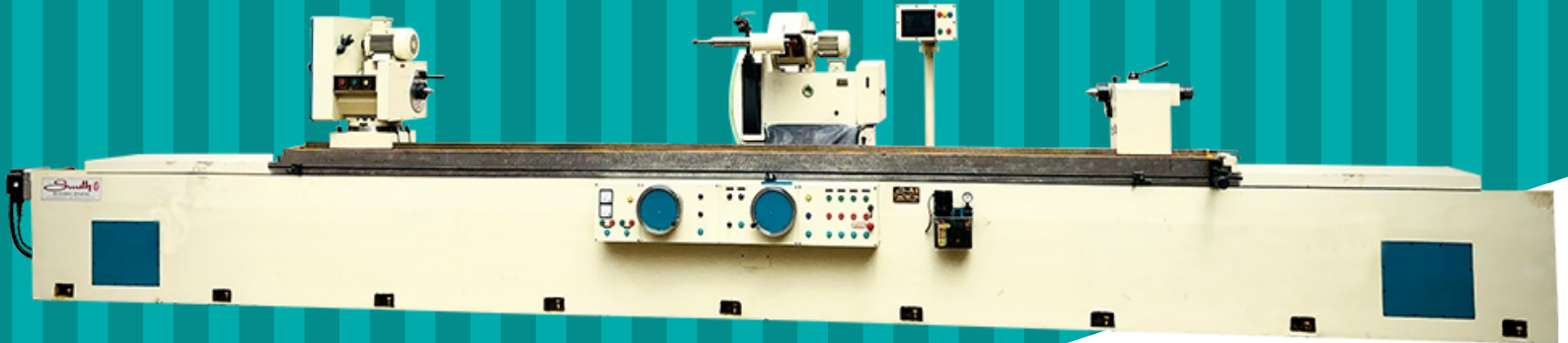
### FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
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- Hydraulic Power packs Yuken/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).



# SGI 5000MM

## PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE HEAVY DUTY



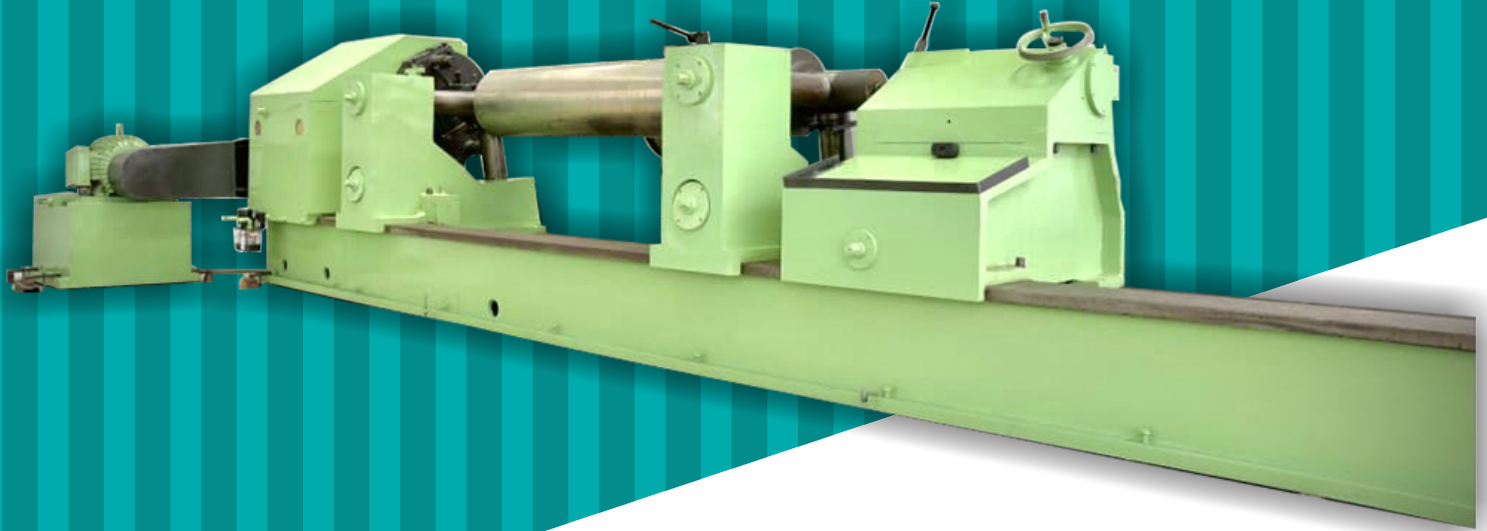
### SPECIFICATIONS SGI 5000MM PRECISION UNIVERSAL CYLINDRICAL GRINDING MACHINE

Description	Specifications
Table Swivel	6+3
Center Height	300
Swing over table	590
<b>Work Head</b>	
Speed	Variable with AC Drive
Morse Taper	MT 5
Swivel	45 + 45 degree
Spindle Bore	18 mm
<b>Table</b>	
Stepless	Through Servo Motor
<b>Wheel Head</b>	
Rapid Approach	50 mm
Wheel with Hand Wheel	300mm
Increment with Handwheel	0.001mm and 0.01mm and 0.10mm
Swivel	45 + 45 degree
Standard Size of Wheel	OD 600 X ID 304.8mm X Width 60mm
<b>POWER</b>	
Work Head	3 HP Geared Motor
Wheel Head	10 HP
Table Feed	3 Kw
Cross Feed	1.5 Kw servo
Coolant	0.5 HP
Internal Grinding Attachment	1.5 HP
Lubrication Pump	90 Watts 2 nos.

### FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
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- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).

**SGI 5000MM**  
**PRECISION UNIVERSAL**  
**CYLINDRICAL**  
**GRINDING MACHINE**  
**HEAVY DUTY**



**FEATURES OF PRECISION EXTRA HEAVY DUTY CYLINDRICAL GRINDING  
MACHINES MECHANICAL/HYDRAULIC/PLC/SIEMENS/ROBOTIC.**

- Rigidly Constructed Graded Grey Casting with Extra Heavy Ribs
- Tool Room and Mass Production
- Rapid approach Z and X Axis
- Variable Speeds of Work Head
- Antifriction Self Lubrication Turcite Coating on Bed Ways
- Tapered Angle Table for Best Gripping Head Stock and Tail Stock
- All Spindles and Shafts made of Nickel Alloy Steel hardened and precisely ground.
- High precision Class Bearings, Bushes and Spindle Cartridges are available as per Customer's requirements
- Precision Class hardened and Ground Ball Screw
- Preloaded antifriction LM Guide ways / Roller Guide ways as per requirement
- Power Operated Tail Stock for Hydraulic Machines.
- Absolute PLC System of latest technologies with FiberOptical Cables to Control interpolation of 2 axis brand Mitsubishi/Siemen's
- Absolute CNC System we use latest version of Fanuc/Siemens/Mitsubishi as per Customer's requirements
- Hydraulic Power packs Yuken/ Rexroth
- Energy Efficient Motors and Electrical Switch Gears of World Standards.
- Centralized automatic Lubrication system for the adequate lubrication
- Surfaces finish 2 microns (improved RA values can be obtained by using selected grade of grinding wheel applicable to material to be ground).



WE ARE SMITH GRINDERS  
**MANUFACTURERS & EXPORTERS OF**  
UNIVERSAL CYLINDRICAL GRINDING MACHINE

### SOME OF OUR VALUABLE CLIENTS



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