

DESCRIPTION	UNIT	VALUE	STANDARD ACCESSORIES
CAPACITY			Work Head & Tail stock centres
Max grinding Diameter	mm	100	 Cartridge type Wheel spindle with rolling element bearing Wheel spindle of 33 M/s
Plunge width	mm	500/750/1000	
Admit between centres	mm	550/800/1100	X & Z axes with V & Flat Turcite coated guides.
Max Swing over table	mm	200	Work Head with poly V Belt & pulleyManually operated tail stock.
WHEEL INFEED – X AXIS			Tail stock with manual micro taper correction.
Stroke	mm	200	 Surround guarding system with sliding doors. Fanuc / Siemens 828D 2 Axes CNC System
Rapid feed rate	m/min	5000	
Torque on slide	Nm	9-Jun	Hydraulic steady rest
Minimum increment of slide-	mm	0.001	
Diametrical			
Guideways		V&Flat with Turcite	
TABLE TRAVERSE – Z AXIS		coating	
Stroke	mm	650 / 900 / 1250	
Rapid feed rate	mm/min	5000	
Torque on slide	Nm	9-Jun	
Guideways		V&Flat with Turcite coating	OPTIONAL ACCESSORIES
WHEEL HEAD		Coduing	
Grinding Wheel Size – Max- OD x	mm x mm	500x203.4x50[80]	Active flagging device
ID x W	x mm		Gap eliminator & Crash detector
Grinding wheel Dia- Minimum	mm	400	 VFD for work head Auto wheel balancer
Spindle Power	kW	3.7[5]	
Wheel Peripheral Speed	m/s	33[45]	Grinding wheel load / unload arm.Hydraulically actuated tail stock
Type of spindle Bearings		Rolling element	 Paper band cum magnetic filtration system.
Spindle Lubrication		Grease packed	◆ PanelAC.
WORK HEAD			Auto Door Closure with full guarding
Centre	MT	5	Mist collection unit.
Speed through Pulley & Belt	RPM	10-400	Linear scale for X AxisFanuc OiTD CNC system.
Type – Standard		Induction motor Dead Spindle	Fanuc OTTD CNC system. Servo Driven Work head.
Power	kW	0.5	5 kW spindle power
TAIL STOCK			 45 m/s wheel peripheral speed
Centre	МТ	4	Grinding wheel width of 80mm
Quill Travel	mm	40	 Crush type Dia roll dresser Wheel static balancing stand with arbor
Micro Taper Correction- Manual	mm	+/- 0.04	- Whice static balancing stand with about
Actuation		Manual	
DRESSER			
Tail stock / Work head mounted		Standard	
Plunge type [crush]		Option	
		- Option	

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CNC CYLINDRICAL GRINDING MACHINES SSWH 100 SERIES - 300 / 500 / 750



The machines are designed for simultaneous grinding of plunge & traverse grinding of several diameters without change in setups. All the operations are done in a single setup using a formed wheel or multiple wheels that help in accurately controlled profile geometry & contributing to increased productivity.

Main Features:

- The machines are with 2 axes controls.
- The machine structure is with a single piece Cast Iron Bed.
- All castings are double stress relieved.
- The wheel head in feed axis is driven by zero back lash ball screws generating response of less than 0.001 mm for the wheel in feed ensuring very close Cylindricity on the components..
- The machines can be integrated with in process size control gauge, flagging device & Auto wheel balancers ensuring size control in production.
- * Machines available in three range of admit, covering a wide envelope of components.
- The machine operates with operator friendly SSSPL standard software & diagnostics enhancing the ease of operation & maintainability of the machine.

CNC ANGULAR WHEEL HEAD GRINDING MACHINES SAWH 100 SERIES - 500 / 750 / 1000



The machines are designed for simultaneous grinding of plunge grinding of several diameters & shoulders without change in setups. All the operations are done in a single setup using a formed wheel or multiple wheels that help in accurately controlled profile geometry & contributing to increased productivity.

Main Features:

- The machines are with 2 axes controls.
- The machine structure is with a single piece Cast Iron Bed.
- All castings are double stress relieved.
- The wheel head infeed axis is driven by zero back lash ball screws generating response of less than 0.001 mm for the wheel infeed ensuring very close Cylindricity on the components..
- The machines can be integrated with inprocess size control gauge, flagging device & Auto wheel balancers ensuring size control in production.
- Machines available in three range of admit, covering a wide envelope of components.
- The machine operates with operator friendly SSSPL standard software & diagnostics enhancing the ease of operation & maintainability of the machine.



Max grinding Diameter mm 100 Plunge width mm 50 [80] Admit between centres mm 300/500/750 Max Swing over table mm 200 WHEEL INFEED – X AXIS Stroke mm 200 Rapid feed rate m/min 5000 Torque on slide Nm 9-Jun Minimum increment of slide- mm 0.001 Diametrical Guideways Roller Guides TABLE TRAVERSE – Z AXIS Stroke mm 450 / 600 / 850 Rapid feed rate mm/min 5000 Torque on slide Nm 9-Jun Guideways Roller Guides WHEEL HEAD Wheel approach 45 Degrees Grinding Wheel Size – Max- OD x mm x mm 500x203.4x50[80] ID x W x mm Grinding wheel Dia- Minimum mm 400 Spindle Power kW 3.7[5] Wheel Peripheral Speed m/s 33[45] Type of spindle Bearings Rolling element Spindle Lubrication Grease packed WORK HEAD Centre MT 5 Speed through Pulley & Belt RPM Induction motor Type – Standard Dead Spindle Power kW 0.5 TAIL STOCK	STANDARD ACCESSORIES ork Head & Tail stock centres
Max grinding Diameter	
Plunge width	artridge type Wheel spindle with rolling element bearin
Admit between centres mm 300/500/750 Max Swing over table mm 200 WHEEL INFEED - X AXIS Stroke mm 200 Rapid feed rate m/min 5000 Torque on slide Nm 9-Jun Minimum increment of slide-Diametrical Guideways Roller Guides TABLE TRAVERSE - Z AXIS Stroke mm 450 / 600 / 850 Rapid feed rate mm/min 5000 Torque on slide Nm 9-Jun Guideways Roller Guides WHEEL HEAD Wheel approach 45 Degrees Grinding Wheel Size - Max- OD x mm x mm 500x203.4x50[80] ID x W x mm Grinding wheel Dia- Minimum mm 400 Spindle Power kW 3.7[5] Wheel Peripheral Speed m/s 33[45] Type of spindle Bearings Rolling element Spindle Lubrication Grease packed WORK HEAD Centre MT 5 Speed through Pulley & Belt RPM Induction motor Type - Standard Dead Spindle Power kW 0.5 TAIL STOCK Centre MT 4 Quill Travel mm 40 Micro Taper Correction- Manual mm +/- 0.04	Wheel spindle of 33 M/s
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Grinding wheel Dia- Minimum	VFD for work head
Spindle Power kW 3.7[5] Wheel Peripheral Speed m/s 33[45] Type of spindle Bearings Rolling element Spindle Lubrication Grease packed WORK HEAD Centre MT 5 Speed through Pulley & Belt RPM 10-400 Induction motor Type – Standard Dead Spindle Power kW 0.5 TAIL STOCK Centre MT 4 Quill Travel mm 40 Micro Taper Correction- Manual mm +/- 0.04	 Auto wheel balancer Grinding wheel load / unload arm. Hydraulically actuated tail stock
Wheel Peripheral Speed m/s 33[45] Type of spindle Bearings Rolling element Spindle Lubrication Grease packed WORK HEAD Centre MT 5 Speed through Pulley & Belt RPM 10-400 Induction motor Type – Standard Dead Spindle Power kW 0.5 TAIL STOCK Centre MT 4 Quill Travel mm 40 Micro Taper Correction- Manual mm +/- 0.04	
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Type − Standard Dead Spindle Power kW TAIL STOCK Centre MT 4 Quill Travel mm 40 Micro Taper Correction- Manual mm +/- 0.04	Servo Driven Work head.
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TAIL STOCK Centre MT 4 Quill Travel mm 40 Micro Taper Correction- Manual mm +/- 0.04	45 m/s wheel peripheral speed
Centre MT 4 Quill Travel mm 40 Micro Taper Correction- Manual mm +/- 0.04	Grinding wheel width of 80mm
Quill Travel mm 40 Micro Taper Correction- Manual mm +/- 0.04	Crush type Dia roll dresser Wheel static balancing stand with arbor
Micro Taper Correction- Manual mm +/- 0.04	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Actuation	
DRESSER	
Tail stock / Work head mounted Standerd	
Plunge type [crush] Option	
CNC SYSTEM Fanuc / Siemens 828D	