

MILLING MACHINE (BED TYPE)



CNC headstock



UL headstock



UH headstock

Machine feature:

- Semi guarding
- Electrical cabinet.
- Operator console arm
- Bed type, pulley drive with belt
- Belt type headstock with belt type spindle BT40, 8000rpm
- ATC optional : auto arm less 20T / auto arm type 24T(random)
- Walrus coolant system and auto lubrication
- XYZ axis servo motors belt transmission
- Counter balance
- XYZ axis steel way cover
- YZ flexible tubes for cable
- Basic pneumatic system
- Work light and color alarm light
- Control system: Fagor / Fanuc
- Change to turret head
 - S-1654UL head, R/L45°
 - S-2473UH head, R/L45°



Machine Specifications:

MODEL	S-1654	S-2063	S-2473
TABLE			
Size (mm)	1372x406mm	1600x500mm	1854x610mm
T-slot (mm x t)	5x60x16mm	5x110x18mm	5x90x18mm
Max table loading (kgs)	800kg	1500kg	1500kg
Table to floor	859mm	810mm	810mm
Xyz rapid feed	Std: 5m/min opt p10	10m/min	10m/min
Working feed	7m/min	7m/min	7m/min
TRAVEL			
X,y,z axis	1000/450/570	1270/700/800	1500/720/680
Spindle nose to table	100-670mm	100-710mm	100-810mm
Center to column	530mm	640mm	765mm
X,y,z ballscrew	X Φ 32-p5 / YZ Φ 40-p5	Φ 40-p10	Φ 40-p10
SPINDLE			
Type	Belt type head with spindle		
Taper	40	40	40
Diameter	Φ 70mm	Φ 70mm	Φ 70mm
Speed	8000rpm / option 10000rpm		
FEED			
Axes	Belt / pulley	Belt / pulley	Belt / pulley
Rapid feed	7.5m-min	10m-min	10m-min
Working feed	7m/min	7m/min	7m/min
ATC			
Type	Opt: armless 20/arm type 24I		
Max tool dia	Φ 130/ Φ 125		
Max tool length, weight	350mm, 8kg		
INFO			
X,Y,Z guideway	X dove /YZ Box	X dove /YZ Box	X dove /YZ Box
X,Y,Z guideway dimension (mm)	326/460/300	386/600/350	420/800/350
Repeat/positining accuracy	$\pm$ 0.01mm $\pm$ 0.005mm	$\pm$ 0.01mm $\pm$ 0.005mm	$\pm$ 0.01mm $\pm$ 0.005mm
Spindle motor	7.5hp	10hp	15hp
X,Y,Z motor	2kw	3kw	3kw
Machine packing(cm)	240x228x255	300x228x255	300x228x255
Machine weight	3000kgs	4200kgs	4800kgs
Machine dimensions(cm)	270x222x210	360x222x240	384x222x255

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VERTICAL MACHINING CENTER - BOXWAY

Machine optional:

- Change to belt type BT40, 10000/12000rpm
- Change to belt type BT50, 6000/8000rpm
- Spindle cooler
- Chain type chip conveyor
- Through spindle coolant
- 4th axis rotary table
- Oil skimmer
- Change to full guarding
- Rising block



Machine Specifications:

MODEL	S-3092	S-30112	S-3000	S-4000
TABLE	Y AXIS 2 SLIDEWAY AND 2 SUPPORT WAY			
Size (mm)	2337x762mm	2845x762mm	3200x1000mm	4200x1000mm
T-slot (mm x t)	5x120x18mm	5x120x18mm	7x125x18mm	7x125x18mm
Max table loading (kgs)	1800kg	2000kg	2200kg	2500kg
Table to floor	898mm	898mm	930mm	930mm
Xyz rapid feed	10m/min	10m/min	8m/min	8m/min
Working feed	7m/min	7m/min	7m/min	7m/min
TRAVEL	OPT:EXTENDED 800MM,X 2750MM		OPT EXTENDED:Z 1000MM,Y 1250MM	
X,y,z axis	2000/850/670mm	2500/850/670mm	3000/1000/900mm	4000/1000/900mm
Spindle nose to table	100-770,800mm	100-770,800mm	100-1000mm	100-1000mm
Center to column	915mm	915mm	1080mm	1080mm
X,y,z ballscrew	φ50-p10	φ50-p10	φ63-p10	φ63-p10
SPINDLE				
Type	Belt	Belt	Belt	Belt
Taper	40	40	40	40
Diameter	φ70mm	φ70mm	φ70mm	φ70mm
Speed	8000rpm/opt change to #50,6000/8000rpm			
FEED				
Axes	Belt / Pulley	Belt / Pulley	Belt / Pulley	Belt / Pulley
Rapid feed	7.5m-min	10m-min	8m-min	8m-min
Working feed	10m/min	7m/min	5m/min	5m/min
ATC				
Type	Opt:armless 20t/armtype 24t		Opt:armless 20t/opt armtype 24t	
Max tool dia	φ130/φ125		φ130/φ125	
Max tool length,weight	350mm,8kg		350mm,8kg	
INFO				
X,Y,Z guideway	XYZ Box	XYZ Box	XYZ Box	XYZ Box
X,Y,Z guideway dlmension	510/700/500	510/700/500	700/1500/730	700/1500/730
Repeat/poshining accuracy	±0.005mm ±0.005/300mm	±0.005mm ±0.005/300mm	±0.005mm ±0.005/300mm	±0.005mm ±0.005/300mm
Spindle motor	20hp	20hp	25hp	25hp
X,Y,Z motor	3.5kw	3.5kw	9kw	9kw
Machine packing(cm)	435x228x255	435x228x255	Full of 40 Hq container	
Mahine weight	8500kgs	9000kgs	14000kgs	16000kgs
Machine dimensions(cm)	763x222x381	780x222x381	1061x222x464	1070x222x464

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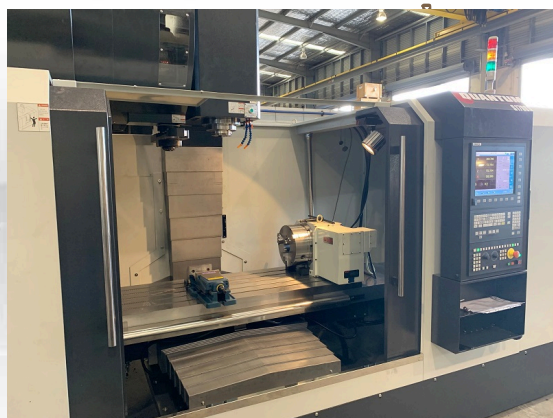
VERTICAL MACHINING CENTER-BOX WAY

Machine feature:

Full guarding with screw type chip auger
With electric box, operators console
Axes transmission: direct drive / box way
Bell type head
Belt type spindle: BT40, 8000rpm
Auto arm less 20 tool / auto arm type 24 tool
Walrus coolant system and auto lube system
X, Y, Z axis servo motors couplings
Counter balance
X, Y, Z axis steel way cover
Y, Z flexible tubes for cable
Basic pneumatic system
Work light and alarm light
Control system Fagor / Fanuc

Machine optional:

- Change to gear type headstock
- Automatic door open
- Change to belt type spindle BT40, 10000 / 12000rpm
- Change to direct type headstock with spindle BT40, 10000 / 12000rpm
- Change to belt type BT50, 6000 / 8000rpm
- Spindle cooler
- Chain type chip conveyor
- Through spindle coolant
- Oil skimmer
- Spin window



Machine Specifications:

MODEL	S100D	SMV-1060	S1300D	S1500D
TABLE				
Size(mm)	1200x508	1300x600	1500x600	1700x600
t-slot(mmxt)	5x85x16mm	5x100x18mm	5x100x18mm	5x100x18mm
max table loading(kgs)	800kg	800kg	1000kg	1000kg
table to floor	865mm	866mm	812mm	812mm
TRAVEL		Extended z 640mm		Extended x1700,z900
X,Y,Z axis	1000/500/570,640	1016/600/640	1300/700/670	1524/700/670
Spindle nose to table	100-670,740mm	100-740mm	100-770,1000mm	100-770,1000mm
X,Y,Z ballscrew	Φ40-p10/p12	Φ40-p10/p12	Φ40-p10/p12	Φ40-p10/p12
Transmission	Direct	Direct	Direct	Direct
SPINDLE			Opt direct or 50 taper	
Std 40 taper belt type	Belt type head with spindle		Belt type head with spindle	
Taper	40	40	40	40
Diameter	Φ70mm	Φ70mm	Φ70mm	Φ70mm
Speed	Std 8000rpm/opt:10000/12000rpm		Std 8000rpm/opt:50,6000rpm	
Center to column	600mm	600mm	767mm	767mm
FEED				
Axes	Direct	Direct	Direct	Direct
Cutting feedrate(m/min)	5m-min	5m-min	5m-min	5m-min
rapid feedrate(m/min)	15m/min	15m/min	20m/min	20m/min
ATC				
ATC type	Arm less 20t/opt:arm type 24t		Armless 20t/opt:arm type 24t	
Max tool dia	Φ130/Φ125		Φ130/Φ125	
Max tool length,weight	350mm/350mm,8kg		350mm/350mm,8kg	
INFO				
X,Y,Z guideway dimension (mm)	406/700/300	500/700/350	500/800/350	500/800/350
Repeat/positining accuracy	±0.01mm ±0.005mm	±0.01mm ±0.005mm	±0.01mm ±0.005mm	±0.01mm ±0.005mm
Spindle motor	10hp	10hp	15hp	15hp
X,Y,Z motor	2kw	2kw	3.5kw	3.5kw
Machine packing(cm)	330x228x255	330x228x255	330x228x255	420x228x255
Machine weight	5000kgs	5500kgs	6000kgs	6500kgs
Machine dimensions(cm)	387x245x291	387x257x291	478x261x282	478x261x282



Machine Specifications

MODEL	SMV-1170	SMV-1370	SMV-2085
TABLE			Y 4 slideway
Size(mm)	1270x660	1500x700	2100x762
T-slot(mmxt)	5x135x18mm	5x135x18mm	5x150x18mm
Max table loading(kgs)	1500kg	1500kg	1800kg
Table to floor	820mm	820mm	865mm
TRAVEL			
X, Y, Z axis	1100/700/670	1300/700/670	2000/840/800
Spindle nose to table	130-800mm	130-800mm	100-900mm
X, Y, Z ballscrew	Φ40-p10/p12	Φ40-p10/p12	Φ50-p10
Transmission	direct	direct	direct
SPINDLE		Opt gear type or 50 taper	Opt Direct
Std 40 taper belt type		Std belt type head with spindle	
Taper	40	40	40
Diameter	Φ70mm	Φ70mm	Φ70mm
Speed		Std 8000rpm/opt50,6000rpm	Std 8000rpm
Center to column	770mm	770mm	870mm
FEED			
Axes	direct	direct	direct
Cutting feedrate(m/min)	5m/min	5m/min	5m/min
rapid feedrate(m/min)	20m/min	20m/min	20m/min
ATC			
ATC type		Arm less 20/opt:arm type 24t	
Max tool dia		Φ130/Φ125	
Max tool length.weight		350mm/350mm,8kg	
INFO			
X, Y, Z guideway dimension (mm)	460/850/480	460/850/480	500/1405/350
Repeat/positioning accuracy	±0.01mm ±0.005mm	±0.01mm ±0.005mm	±0.01mm ±0.005mm
Spindle motor	15hp	15hp	20hp
X, Y, Z motor	3.5kw	3.5kw	4.5kw
Machine packing(cm)	450x228x255	450x228x255	600x228x255
Machine weight	7000kgs	7500kgs	9000kgs
Machine dimensions(cm)	420x292x332	455x350x332	580x288x300

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VERTICAL LINEAR GUIDEWAY MACHINING CENTERS - ROLLER TYPE LINEAR GUIDEWAY

Machine feature:

- Full guarding with screw type chip auger
- With electric box, operators console
- Axes transmission: Direct / Linear Guideway
- Belt type spindle: BT40, 8000rpm
- Armless 20 tool / arm type 24 tool / chain type 32/40 tool
- Complete walrus coolant system and auto lube system
- XYZ axis servo motors couplings
- Counter balance
- XYZ axis steel way cover
- YZ flexible tubes for cable
- Basic pneumatic system
- Working light and alarm light
- Control system: Fagor / Fanuc

Machine optional:

- Change to belt type spindle BT40, 10000/12000 rpm
- Change to direct type headstock with spindle BT40,10000/12000rpm
- Change to BT50
- Spindle cooler, Oil skimmer
- Chain type chip conveyor
- Through spindle coolant
- 4th axis rotary tables

Machine Specifications:



MODEL	S650L	S760L	S1000L	S1500L
TABLE				
Size (mm)	770x410mm	1000x410mm	1200x528mm	1700x600
T-slot (mm x I)	5x63x16	5x63x16	5x80x18	5x100x18
Max table loading (kgs)	400 kg	700kg	1000kg	1500kg
table to floor	815mm	815mm	838mm	835mm
TRAVEL				
X,Y,Z axis	650/410/500/660mm	760/410/660mm	1000/600/710mm	1500/760/880mm
Spindle nose to table	100-600,760mm	100-600,760mm	100-810mm	100-980mm
X,Y,Z ballscrew	φ40-p10/p12	φ40-p10/p12	φ40-p10/p12	φ40-p10/p12
X,Y,Z linear guideway / block	Roller / Rg35	Roller / Rg35	Roller / Rg45	Roller / Rg45
XYZ N ° linear guideway	X2, Y2, Z2	X2, Y2, Z2	X2, Y2, Z2	X2,Y3,Z2
XYZ block of guideway	X4, Y4, Z4	X4, Y4, Z4	X4, Y4, Z4	X6,Y5,Z4
SPINDLE				
Type	Belt type 40 taper	Belt type 40 taper	Std Belt 40 taper/optional change to direct or #50	
Taper	40	40	40	40
Diameter	φ70mm	φ70mm	φ70mm	φ70mm
Speed	8000rpm / option10000		8000rpm/ option10000/12000rpm	
Center to column	445mm	445mm	600mm	767mm
TRANSMISSION				
Three axes	linear guideway(roller type)		linear guideway(roller type)	
Cutting feedrate(m/min)	10m/min	10m/min	10m/min	10m/min
Rapid feedrate(m/min)	36/36/30m/min	36/36/30m/min	36/36/30m/min	36/36/30m/min
ATC				
Type	Arm less 20 tools	Arm less 20 tools	Std Arm less 20 tools	Opt arm type/chain type
Max tool dia	φ130	φ130	φ130	φ125/φ75
Max tool length	350mm,8kg	350mm, 8kg	350mm, 8kg	350mm/350mm,8kg
OTHERS INFO				
XYZ guideway dimension (mm)	277/445/310	277/445/310	321/610/305	400/1200/400
Repeat/positining accuracy 8	±0.005mm	±0.005mm	±0.005mm	±0.005mm
Spindle motor	7.5hp	7.5hp	10hp	15hp
X,Y,Z motor	2kw	2kw	2/2/3.5	3/3/3.5
Machine packing(cm)	240x228x255	240x228x255	330x228x255	420x228x255
Machine weight	4000kgs	4200kgs	6500kgs	7000kgs
Machine dimensions (cm)	265x210x243	275x210x243	387x257x292	478x259x323

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HEAVY DUTY MACHINE CENTER GEAR TYPE HEAD



Machine feature:

- Semi guarding with table guarding
- With electric box, operators console with arm
- Transmission: direct/box way
- Gear type headstock 50 taper
- Gear type spindle 50 taper
- Chain type 32t
- Walrus coolant system and auto lube system
- X Y Z axis servo motors couplings
- X Y Z axis limit switches
- X Y Z axis steel way cover
- Y Z flexible tubes for cable
- Basic pneumatic system
- Working light and alarm light
- Control system: fagor/fanuc/mitsubishi/siemens

Machine optional:

- Change to 40 taper belt type headstock
- Auto door open
- Full guarding with chain type chip conveyor



Machine Specifications:

MODEL	VM-1600	VM-2100	VM-3100
TABLE			
Size (mm)	1900x900mm	2400x900mm	3400x900mm
T-slot (Mm X T)	18x150x6	18x150x6	18x150x6
Max Table Loading (Kgs)	2000kg	2500kg	3000kg
Table To Floor	1005mm	1005mm	1015mm
Travel			
X,Y, Z axis	1600/900/850mm	2100/900/850mm	3100/900/850mm
Spindle nose to table	100-950mm	100-950mm	100-950mm
X,Y, Z ballscrew	φ40/p12	φ63/p12	φ63/p12
Transmission	Direct	Direct	Direct
SPINDLE			
Type	Gear type	Gear type	Gear type
Taper	50	50	50
Diameter	190	190	190
Speed	6000rpm	6000rpm	6000rpm
Center to column	980mm	980mm	980mm
FEED			
Three axes	Direct	Direct	Direct
Cutting feedrate(m/min)	10	10	10
Rapid feedrate(m/min)	20/20/18	20/20/18	20/20/18
N° of xyz slideway	2.4.2	2.4.2	2.6.2
ATC			
ATC type	chain type 32t	chain type 32t	chain type 32t
Max tool dia	φ125	φ125	φ125
Max tool length, weight	400mm, 16kg	400mm, 16kg	400mm, 16kg
INFO			
XYZ guideway dimension	580/1680/730mm	580/1680/730mm	580/1680/730mm
Repeat/positining accuracy	±0.005mm ±0.005/300mm	±0.005mm ±0.005/300mm	±0.005mm ±0.005/300mm
Spindle motor	15/18.5kw	15/18.5kw	15/18.5kw
X,Y,Z motor	9kw	9kw	9kw
Machine packing(cm)	1x40hq+20	1x40hq+20	1x40hq+20
Machine weight	23500kgs	24500kgs	25000kgs
Machine dimensions(cm)	520x420x370cm	620x460x370cm	810x460x370cm

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