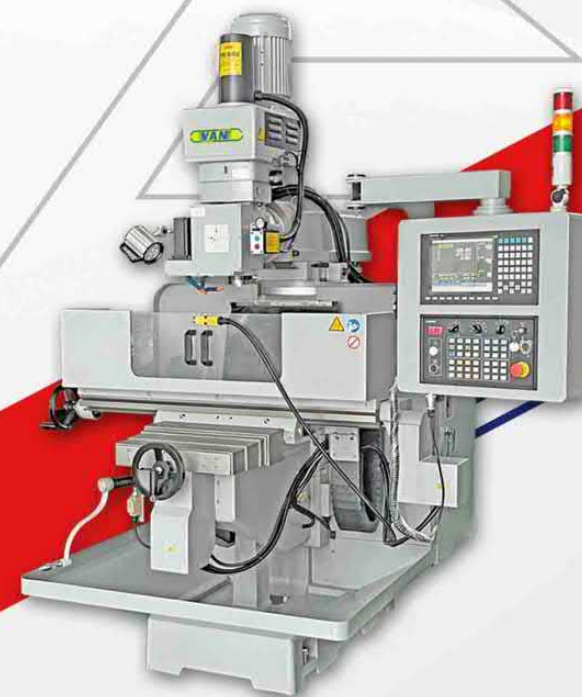




YING SHUN

MACHINERY INDUSTRY CO.,LTD



BED TYPE MILLING MACHINE

HORIZONTAL MILLING MACHINE

VERTICAL TURRET MILLING MACHINE

VERTICAL & HORIZONTAL MILLING MACHINE

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All specification , dimension and design characteristics shown in this catalogue are subject to change without notice.





VERTICAL TURRET MILLING MACHINE & HORIZONTAL MILLING MACHINE

YSM-16 SERIES

- X/Y/Z travel : 850(Opt.950)/410/400mm
- Spindle taper : R8/NT30(Opt.NT40)(Ø85mm)
- Spindle motor : 3HP
- Hardened ground-X/Y
- Square way-Y



YSM-18 SERIES

- X/Y/Z travel : 800(Opt.900)/426/470mm
- Spindle taper : NT40(Ø105mm)
- Spindle motor : 5HP
- Hardened ground-X/Y/Z
- Square way-Y/Z



YSM-860 SERIES

- X/Y/Z travel : 1000/400/470mm
- Spindle taper : NT40(Ø105mm)
- Spindle motor : 5HP
- Hardened ground-X/Y/Z
- Square way-Y/Z



YSM-26H SERIES

- X/Y/Z travel : 1000/400/420mm
- Spindle taper : NT40
- Spindle motor : 5HP(Opt.7.5HP)
- Hardened ground-X/Y/Z
- Square way-Y/Z



MECHANICAL FEATURE

- The main casting part is made of meehanite.
 - The spindle runs on high precision P4 class bearing.
 - The spindle is one piece machined from SCM440 alloysteel, thermal refining, high-frequency and precision polishing.
 - Turcite-B coated on X Y ways.
 - Unique Y axis anti-slip fixing lock .
- Milling head type:
- 1.6#(16)/1.8#(18/860)
 - Steps (S) Inverter (C)
 - Used type B belt drive.
 - The spindle speed is made by quick shift mechanism.
 - Inverter type used YASKAWA VFD.

Steps(S)

Inverter(C)



Power feed

Servo feed



Gear box



1 ACCESSORIES FEATURE

- The feeding device can fit each axis.

SPECIFICATIONS AND ACCESSORIES

Model		YSM-16		YSM-18		YSM-860		YSM-26H	
Travel	Unit	S	C	S	C	S	C	S	C
Longitudinal travel (M./A.)	mm	850/750 (Opt.950/850)		800/700 (Opt.900/800)		1000		1000	
Cross travel (M./A.)	mm	410		426		400		400	
Vertical travel (M./A.)	mm	400		470		470		420	
Slideway X/Y/Z	type	△ / □ / △		△ / □ / □		△ / □ / □		△ / □ / □	
Quill travel	mm	127		140		140		-	
Overarm travel	mm	550		540		540		700	
Overarm swivel	degree	360		360		360		-	
Quill swivel (R&L) / (F&B)	degree	±45/±45		±45/Fixed (Opt.±45)		±45/Fixed (Opt.±45)		-	

Table

Dimension	mm	1270x254 (Opt.1370x254)		1270x254 (Opt.1370x254)		1370x300		1370x300	
T-slots (Width x No.x Pitch)	mm	16x3x63		16x3x63		16x3x70		16x3x70	

Spindle

Milling head	type	8/16 Steps	Inverter	10/20 Steps	Inverter	10/20 Steps	Inverter	9 Steps	Inverter	
Speed	60HZ	66-2700(8)	55-3600	70-3350(10)	55-3600	70-3350(10)	55-3600	92-1614	60-1400	
	50HZ	RPM		54-2260(8)		58-2780(10)		58-2780(10)		73-1288
				68-4560(16)		58-5560(20)		58-5560(20)		
Vertical feeds	mm/rev	0.04/0.08/0.15		0.04/0.08/0.15		0.04/0.08/0.15		-		
Taper	type	NT30 or R8 (Opt .NT40)		NT40		NT40		NT40		

Motor

Main spindle	HP	3	5	5	5	5 (Opt.7.5)
X-axis traverse	HP	-	-	-	1/2	1/2
Z-axis elevation	HP	-	1/2	1/2	1/2	1/2

Feedrate

X-axis speed	mm/min	-	-	25-1500	30-1300 (9 Steps)
Z-axis speed	mm/min	-	345	345	345

Machine

Net Weight	kg	1100	1500	1700	2000
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YSM-16 series

Standard accessories

- Draw bar
- Tool box and tools
- Chip cover on Y axis
- Manual lubrication system
- Electric box

Optional accessories

- Power drawbar
- Working lamp
- Auto lubrication system
- Power feed (X/Y/Z)
- Servo feed (X/Y)
- Ball screw (X/Y)
- Z axis rapid up/down
- 100/150/200mm riser block
- Digital readout (DRO)
- Deluxe type operation panel
- Coolant system (Pump1/8HP)
- Chip tray

YSM-18 series

Standard accessories

- Draw bar
- Tool box and tools
- Chip cover on Y axis
- Auto lubrication system
- Working lamp
- Z Axis Rapid up/down
- Deluxe type operation panel
- Electric box

Optional accessories

- Power drawbar
- Power feed (X/Y)
- Servo feed (X/Y)
- Gear box (X/Y)
- Ball screw (X/Y)
- 100/150/200mm riser block
- Digital readout (DRO)
- Coolant system (Pump1/8HP)
- Chip tray

YSM-860 series

Standard accessories

- Draw bar
- Tool box and tools
- Chip cover on Y axis
- Auto lubrication system
- Working lamp
- Z Axis Rapid up/down
- Deluxe type operation panel
- Servo feed (X)
- Electric box
- Ball screw (X/Y)

Optional accessories

- Power drawbar
- Power feed (Y)
- Servo feed (Y)
- Gear box (X/Y)
- 100/150/200mm riser block
- Digital readout (DRO)
- Coolant system (Pump1/8HP)
- Chip tray

YSM-26H series

Standard accessories

- Draw bar
- Tool box and tools
- Front finned bellows cover on Y axis
- Back chip cover on Y axis
- Auto lubrication system
- Working lamp
- X axis gear box
- Z Axis Rapid up/down
- Deluxe type operation panel
- Electric box
- Ball screw (X/Y)
- Horizontal bracket (2 pcs/set)
- Horizontal arbor (25.4mm)

Optional accessories

- Power drawbar
- Power feed (Y)
- Servo feed (Y)
- Gear box (Y)
- Digital readout (DRO)
- Coolant system (Pump1/8HP)
- Chip tray



VERTICAL TURRET MILLING MACHINE

YSM-20A SERIES

- X/Y/Z travel : 750(Opt.850)/440/460 mm
- Spindle taper : NT40(Ø110mm)
- Spindle motor : 5HP(Opt.7.5HP)



YSM-20B SERIES

- X/Y/Z travel : 1000/420/400 mm
- Spindle taper : NT40(Ø110mm)
- Spindle motor : 5HP(Opt.7.5HP)
- X/Y axis servo motor



MECHANICAL FEATURE

- The main casting part is made of meehanite.
- The spindle run on high precision P4 class bearing.
- The spindle is one piece machined from SCM440 alloysteel, thermal refining, high-frequency and precision polishing.
- Hardened and ground X,Y,Z axes slideway.
- X/Y axis double nut ball screw.
- Turcite-B coated on X Y ways.
- Milling head type:
 - Steps (S) Inverter (C)
 - Inverter type used YASKAWA VFD.

Stpes(S)



Inverter(C)



SPECIFICATIONS AND ACCESSORIES

Model	Unit	YSM-20AS	YSM-20AC	YSM-20BS	YSM-20BC
Travel					
Longitudinal travel (M./A.)	mm	750/700 (Opt.850/800)		1000	
Cross travel (M./A.)	mm	440		420	
Vertical travel (M./A.)	mm	460		400	
Slideway X/Y/Z	type	△ / □ / □		△ / □ / □	
Quill travel	mm	140		140	
Overarm travel	mm	570		570	
Overarm swivel	degree	Fixed		Fixed	
Quill swivel (R&L) / (F&B)	degree	±45/Fixed		±45/Fixed	
Table					
Dimension	mm	1270x254 (Opt.1370x254)		1370x300	
T-slots (Width x No.x Pitch)	mm	16x3x63		16x3x70	
Spindle					
Milling head	type	10 Steps	Inverter	10 Steps	Inverter
Speed	60HZ 50HZ	RPM	75-3500 60-2870	75-3500 60-2870	55-3600
Vertical feeds	mm/rev	0.04/0.08/0.15		0.04/0.08/0.15	
Taper	type	NT40		NT40	
Motor					
Main spindle	HP	5 (Opt.7.5)		5 (Opt.7.5)	
X/Y-axis traverse	HP	-		1	
Z-axis elevation	HP	1		1	
Feedrate					
X/Y-axis speed	mm/min	-		0-1800	
Z-axis speed	mm/min	1150		1150	
Machine					
Net Weight	kg	1750		2000	

YSM-20A series

Standard accessories

- Draw bar
- Tool box and tools
- Tapping equipment of spindle
- Chip cover on Y axis
- Working lamp
- Auto lubrication system
- Z Axis Rapid up/down
- Deluxe type operation panel
- Electric box
- Ball screw (X/Y)

Optional accessories

- Power drawbar
- Power feed (X/Y)
- Servo feed (X/Y)
- Digital readout (DRO)
- Coolant system (Pump1/8HP)
- Chip tray

YSM-20B series

Standard accessories

- Draw bar
- Tool box and tools
- Tapping equipment of spindle
- Back chip cover on Y axis
- Working lamp
- Front finned bellows cover on Y axis
- Auto lubrication system
- X/Y axis servo motor
- Z Axis Rapid up/down
- Deluxe type operation panel
- Electric box
- Ball screw (X/Y)

Optional accessories

- Power drawbar
- Digital readout (DRO)
- Coolant system(Pump1/8HP)
- Chip tray



VERTICAL & HORIZONTAL MILLING MACHINE

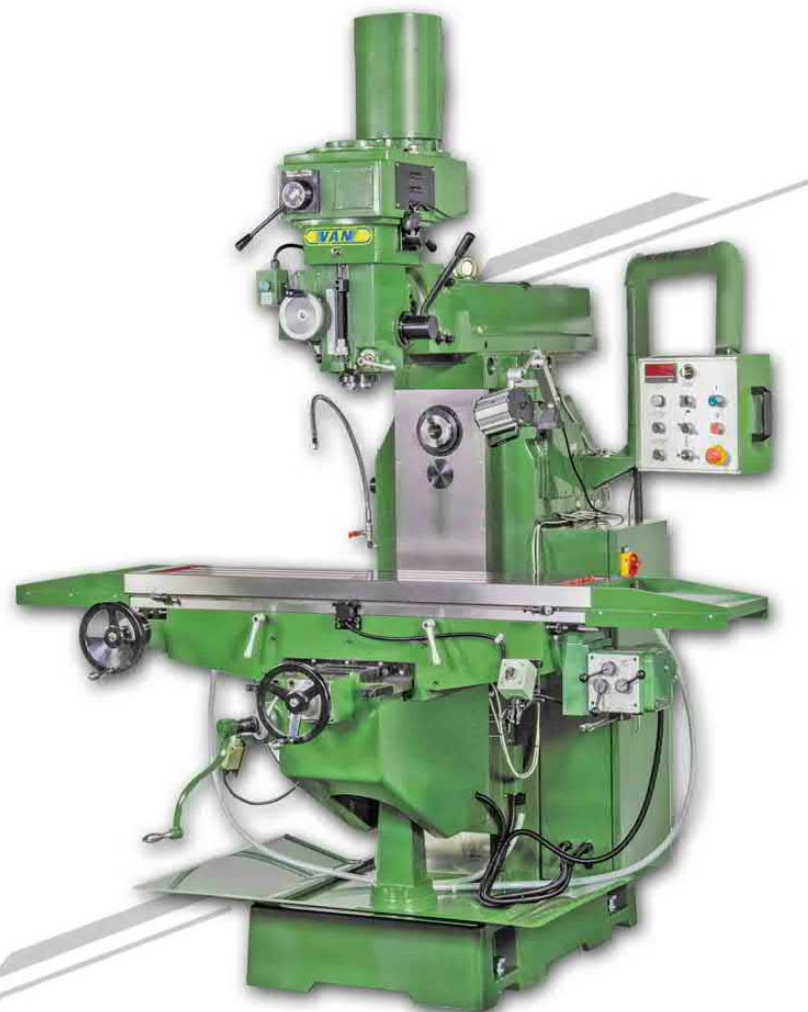
YSM-26 SERIES

- X/Y/Z travel : 1000/400/470mm
- Spindle taper : NT40(Ø105mm)
- Spindle motor : 5HP(Opt.7.5HP)



YSM-28 SERIES

- X/Y/Z travel : 1000/400/440mm
- Spindle taper : NT40(Ø110mm)
- Spindle motor : 5HP(Opt.7.5HP)



Horizontal milling gear mechanism



Horizontal bracket



MECHANICAL FEATURE

- The main casting part is made of meehanite.
- The spindle run on high precision P4 class bearing.
- The spindle is one piece machined from SCM440 alloysteel, thermal refining, high-frequency and precision polishing.
- Hardened and ground X,Y,Z axes slideway.
- Horizontal milling gear mechanism
- Horizontal bracket.
- Turcite-B coated on X Y ways.
- Milling head type:
 - Steps (SHB) Inverter (CHB)
 - Inverter type used YASKAWA VFD.

SPECIFICATIONS AND ACCESSORIES

Model	Unit	YSM-26SHB	YSM-26CHB	YSM-28SHB	YSM-28CHB
Travel					
Longitudinal travel (M./A.)	mm	1000		1000	
Cross travel (M./A.)	mm	400		400	
Vertical travel (M./A.)	mm	470		440	
Slideway X/Y/Z	type	△ / □ / □		△ / □ / □	
Quill travel	mm	140		140	
Overarm travel	mm	700		700	
Overarm swivel	degree	360		360	
Quill swivel (R&L) / (F&B)	degree	±45/Fixed		±45/Fixed	
Table					
Dimension	mm	1370x300		1370x300	
T-slots(Width x No.x Pitch)	mm	16x3x70		16x3x70	
Spindle					
Milling head	type	10/20 Steps	Inverter	10 Steps	Inverter
Speed	60HZ	70-3350(10)	55-3600	75-3500	55-3600
	50HZ	58-2780(10)		60-2870	
		58-5560(20)			
Horizontal milling head	type	9 steps (Opt.Inverter)		9 steps (Opt.Inverter)	
Horizontal spindle speed	RPM	60HZ : 92-1614 50HZ : 73-1288 (Opt.60-1400)		60HZ : 92-1614 50HZ : 73-1288 (Opt.60-1400)	
Vertical feeds	mm/rev	0.04/0.08/0.15		0.04/0.08/0.15	
Taper	type	NT40		NT40	
Motor					
Vertical/Horizontal	HP	5 (Opt.7.5)		5 (Opt.7.5)	
X-axis traverse	HP	1/2		1/2	
Z-axis elevation	HP	1/2		1/2	
Feedrate					
X-axis speed	mm/min	30-1300 (9 steps)		30-1300 (9 steps)	
Z-axis speed	mm/min	345		345	
Machine					
Net Weight	kg	2200		2250	

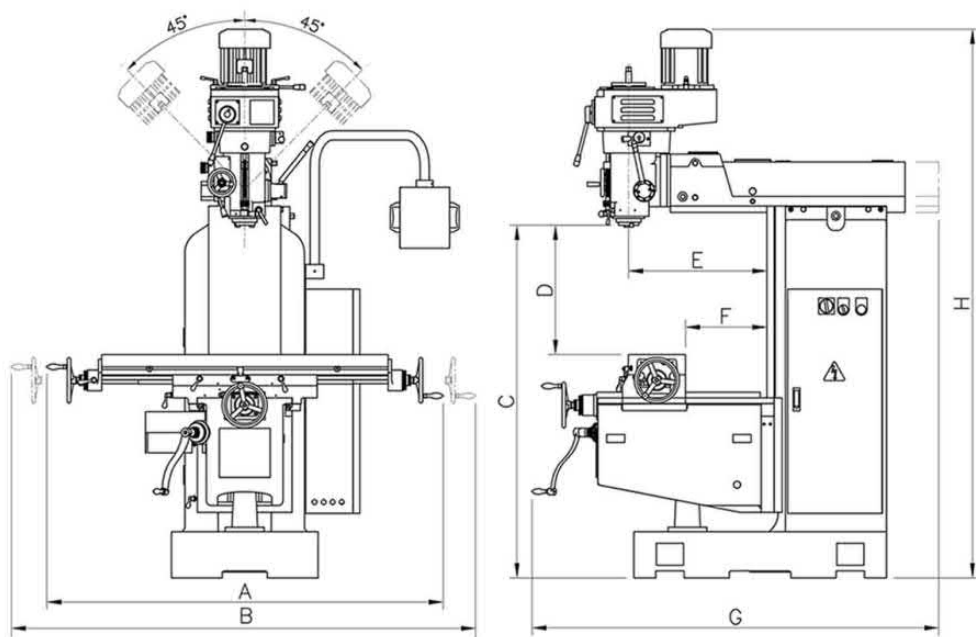
Standard accessories

- Draw bar
- Tool box and tools
- Front finned bellows cover on Y axis
- Back chip cover on Y axis
- Working lamp
- Auto lubrication system
- X axis gear box
- Z Axis Rapid up/down
- Deluxe type operation panel
- Electric box
- Ball screw (X/Y)
- Horizontal bracket (2pcs/set)
- Horizontal arbor (25.4mm)
- Tapping equipment of spindle (YSM-28 series)

Optional accessories

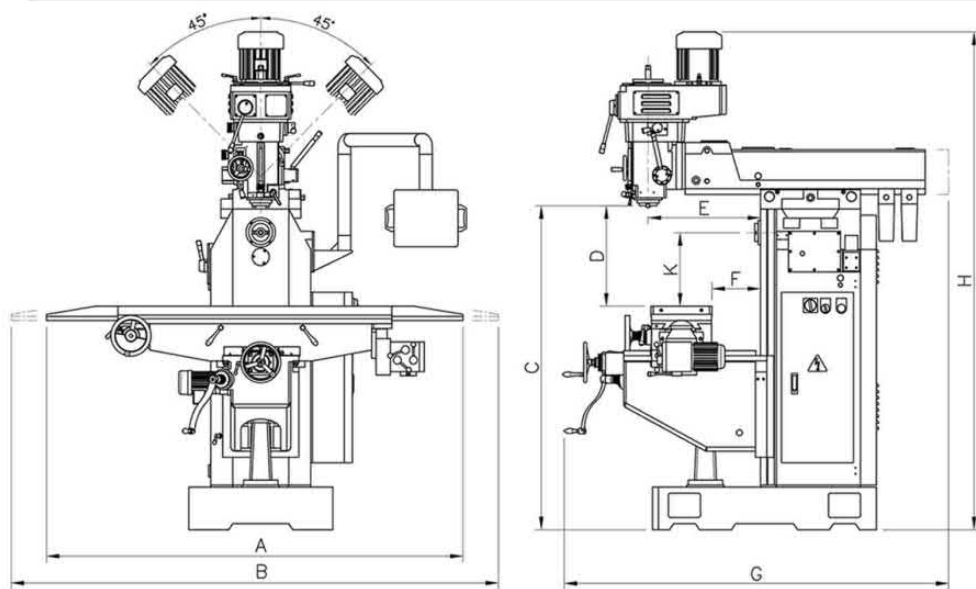
- Power drawbar
- Power feed (Y)
- Servo feed (X/Y)
- Gear box (Y)
- Digital readout (DRO)
- Coolant system (Pump1/8HP)
- Chip tray

MECHANICAL DIMENSION



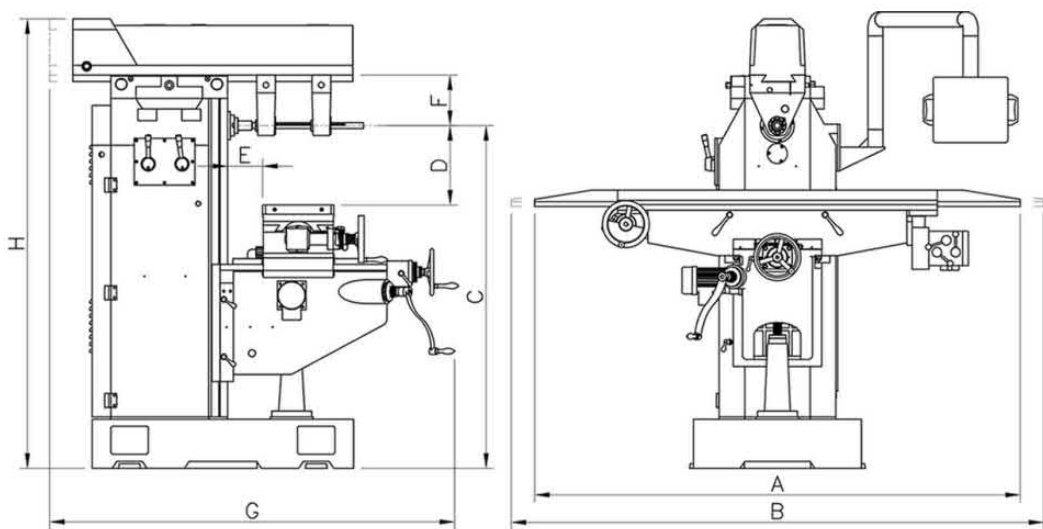
**Vertical Turret
Milling Machine**

	A	B	C	D	E	F	G	H	K	Space(LxWxH)
YSM-16	1700	2550	1470	50-450	160-710	42-452	2120	2320 (S) 2420 (C)	-	2120x2550x2320
YSM-18	1730	2530	1550	90-560	85-625	30-456	1920	2420 (S) 2520 (C)	-	1920x2530x2420
YSM-860	2000	2860	1550	20-490	85-625	30-430	1920	2420 (S) 2520 (C)	-	1920x2530x2420
YSM-20A	1770	2520	1540	100-560	185-755	30-470	2250	2420 (S) 2520 (C)	-	2250x2520x2420
YSM-20B	2100	3100	1540	100-500	185-755	30-450	2250	2420 (S) 2520 (C)	-	2250x3100x2420



**Vertical & Horizontal
Milling Machine**

	A	B	C	D	E	F	G	H	K	Space(LxWxH)
YSM-26	2100	3100	1620	100-570	180-880	30-430	2270	2520 (S) 2620 (C)	0-420	2270x3100x2520
YSM-28	2100	3100	1590	100-540	180-880	30-430	2270	2520 (S) 2620 (C)	0-420	2270x3100x2520



**Horizontal
Milling Machine**

	A	B	C	D	E	F	G	H	K	Space(LxWxH)
YSM-26H	2100	3100	1450	0-420	30-430	215	2150	2000	-	2150x3100x2000

Unit:mm



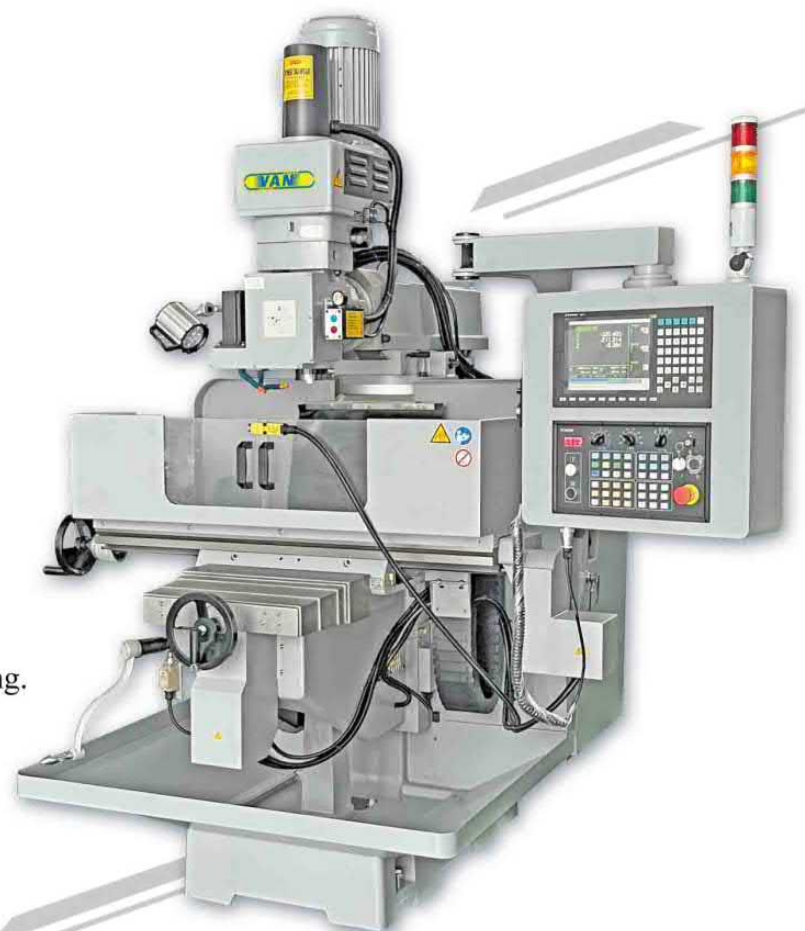
CNC VERTICAL TURRET MILLING MACHINE

YSM-18VNC

- X/Y/Z travel : 700(Opt.800)/400/100mm
- Vertical travel (M./A.) : 450mm
- Spindle taper : NT40(Ø105)
- Spindle motor : 5HP(Opt.3.7-5.5kw servo)
- Controller system

MECHANICAL FEATURE

- Controller Type:
FANUC/SIEMENS/SYNTEC/FAGOR.
- The main casting part is made of meehanite casting.
- Inverter type used YASKAWA VFD
- X/Y/Z axis with servo motor (Z-axis with brake).
- X/Y/Z axis uses a double-nut ball screw.



YSM-20ANC

- X/Y/Z travel : 700(Opt.800)/400/400mm
- Spindle taper : NT40(Ø110)
- Spindle motor : 5HP(Opt.7.5HP)
- Controller system

MECHANICAL FEATURE

- Controller Type:
FANUC/SIEMENS/SYNTEC/FAGOR.
- The main casting part is made of meehanite casting.
- Inverter type used YASKAWA VFD
- X/Y/Z axis with servo motor (Z-axis with brake).
- X/Y/Z axis uses a double-nut ball screw.



SPECIFICATIONS AND ACCESSORIES

Model	Unit	YSM-18VNC	YSM-20ANC
Travel			
X axis travel	mm	700 (Opt.800)	700 (Opt.800)
Y axis travel	mm	400	400
Z axis travel	mm	100 (Quill travel)	400
Vertical travel	mm	450 (M./A.)	-
Slideway X/Y/Z	type	△ / □ / □	△ / □ / □
Quill travel	mm	-	140 (manual)
Overarm travel	mm	540	570
Quill swivel (R&L)	degree	±45	±45
Table			
Dimension		1270x254 (Opt.1370x254)	1270x254 (Opt.1370x254)
T-slots (Width x No.x Pitch)		16x3x63	16x3x63
Spindle			
Milling head	type	Inverter (Opt.Servo)	Inverter
Speed	RPM	55-3600 (Opt.0-6000)	55-3600
Taper	type	NT40 or BT40	NT40 or BT40
Motor			
Main spindle	HP	5 (Opt.3.7-5.5kw)	5 (Opt.7.5)
X/Y/Z axis motor	KW	0.94/0.94/0.48 (SIEMENS 828D)	0.94/0.94/1.45 (SIEMENS 828D)
		1/1/0.4 (SYNTEC 22MA)	1/1/1.7 (SYNTEC 22MA)
		1/1/0.45 (FAGOR 8058i)	1/1/1.4 (FAGOR 8058i)
		0.75/0.75/0.5 (FANUC 0i-MF)	0.75/0.75/1.2 (FANUC 0i-MF)
Z axis elevation	HP	1/2 (gear ratio 1:10)	-
Feedrate			
X/Y/Z axis feed speed	mm/min	0-3000	0-3000
Vertical speed	mm/min	345	-
Machine			
Net Weight	kg	1750	1900

Standard accessories

- Draw bar
- Tool box and tools
- Front steel cover on Y axis
- Back chip cover on Y axis
- Working lamp & 3-color signal lamp
- Auto lubrication system
- Heat exchanger for electrical cabinet
- Manual Pulse Generator (MPG)
- Deluxe type operation panel
- XYZ-axis double nut ball screw
- XYZ-axis absolute pulse coder feedback

Optional accessories

- Rear splash guard
- Chip tray
- Coolant system(Pump1/8HP)
- Working table splash guard

- Power drawbar



CNC HORIZONTAL MILLING MACHINE

YSM-26HNC

- X/Y/Z travel : 1000/400/400mm
- Spindle taper : NT40
- Spindle motor : 5HP(Opt.7.5HP)
- Controller system

MECHANICAL FEATURE

- Controller Type:
FANUC/SIEMENS/SYNTEC/FAGOR.
- The main casting part is made of meehanite casting.
- Inverter type used YASKAWA VFD
- X/Y/Z axis with servo motor (Z-axis with brake).
- X/Y/Z axis uses a double-nut ball screw.

SPECIFICATIONS AND ACCESSORIES

Model	Unit	YSM-26HNC
Travel		
X/Y/Z axis Travel	mm	1000 / 400 / 400
Slideway X/Y/Z	type	△ / □ / □
Overarm travel	mm	700
Table		
Dimension	mm	1370x300
T-slots (Width x No.x Pitch)	mm	16x3x70
Spindle		
Speed	RPM	60-1400 (Inverter)
Taper	type	NT40
Motor		
Main spindle	HP	5 (Opt.7.5)
X/Y/Z axis motor	KW	0.94/0.94/1.45 (SIEMENS 828D)
		1/1/1.7 (SYNTEC 22MA)
		1/1/1.4 (FAGOR 8058i)
		0.75/0.75/1.2 (FANUC 0i-MF)
Feedrate		
X/Y/Z axis feed speed	mm/min	0-3000
Machine		
Net Weight	kg	2200

Standard accessories

- Draw bar
- Tool box and tools
- Front steel cover on Y axis
- Back chip cover on Y axis
- Working lamp & 3-color signal lamp
- Auto lubrication system
- Heat exchanger for electrical cabinet
- Manual Pulse Generator (MPG)
- Deluxe type operation panel
- XYZ-axis double nut ball screw
- XYZ-axis absolute pulse coder feedback
- Rear splash guard
- Chip tray
- Coolant system(Pump1/8HP)
- Horizontal bracket (2pcs/set)
- Horizontal arbor(25.4mm)
- Working table splash guard

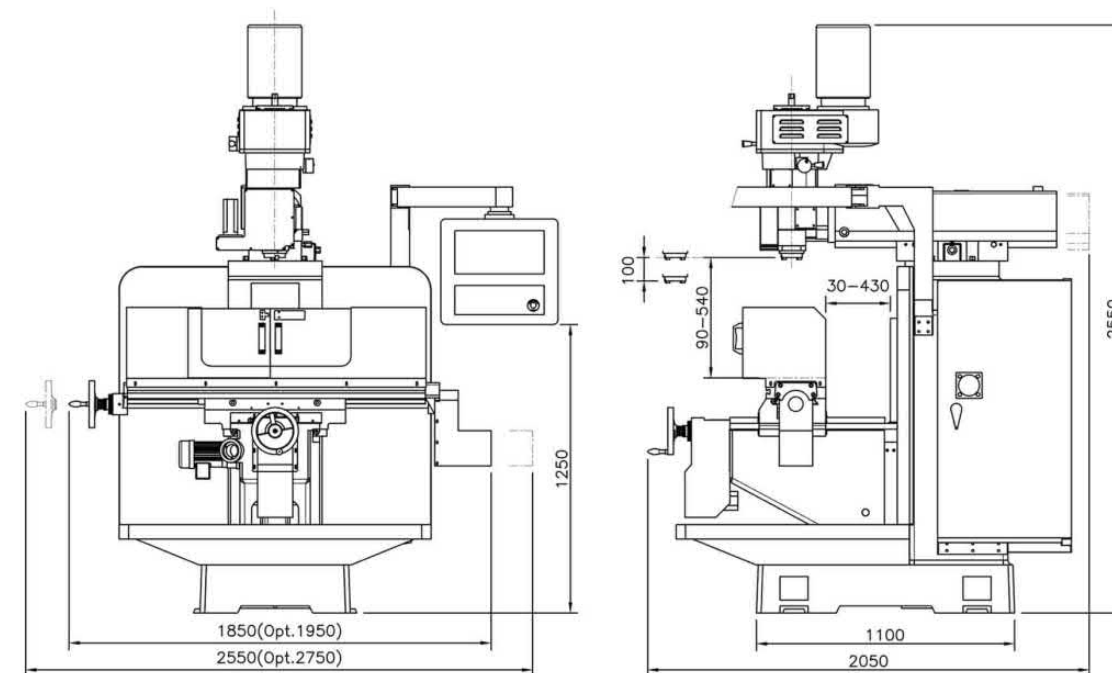
Optional accessories

- Power drawbar

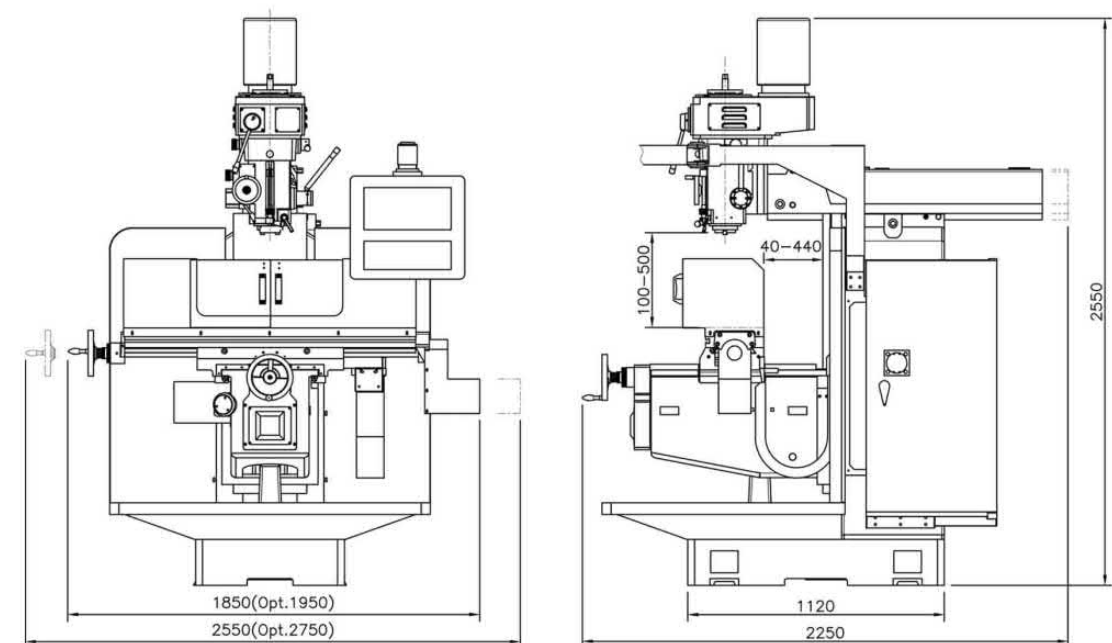


MECHANICAL DIMENSION

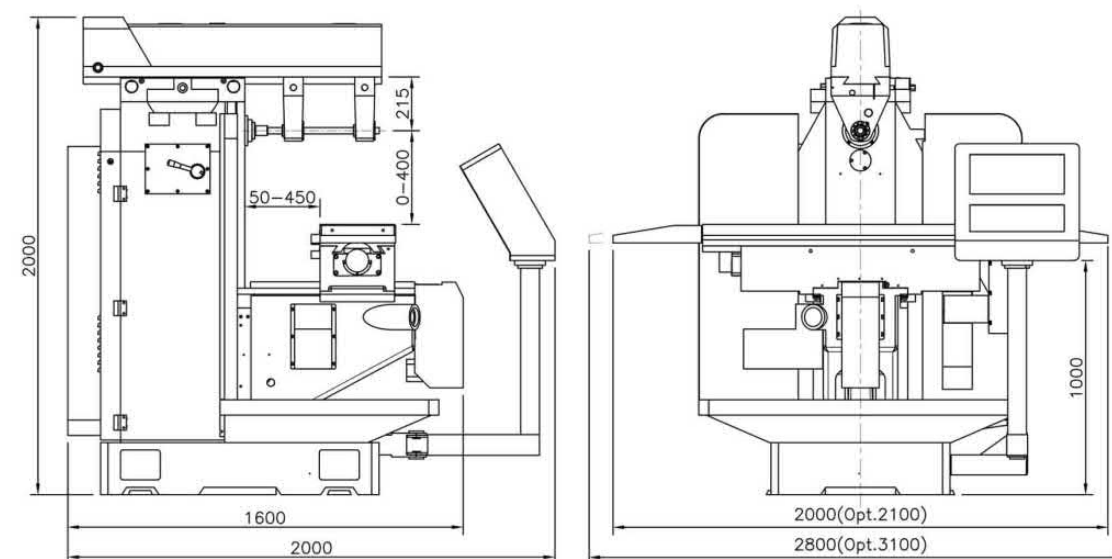
YSM-18VNC



YSM-20ANC



YSM-26HNC





BED TYPE MILLING MACHINE

YSM-VB600A SERIES

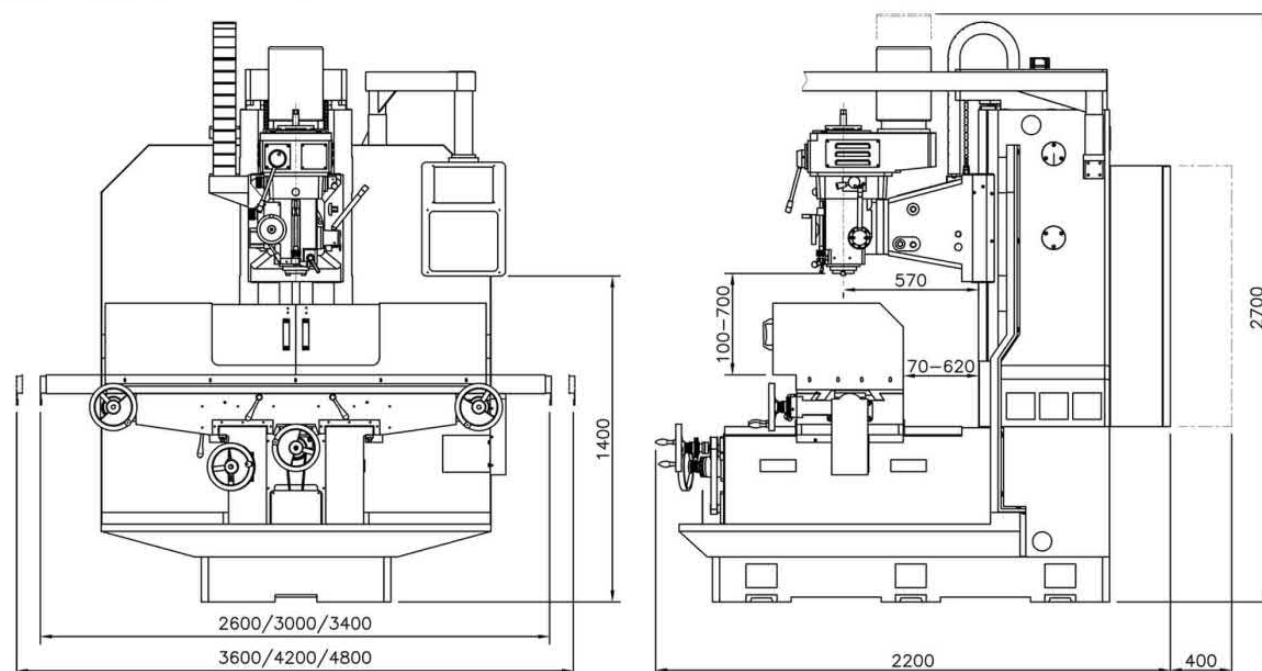
- X/Y/Z travel : 1000(Opt.1200,1400)/550/600mm
- Spindle taper : NT40
- Spindle motor : 5HP(Opt.7.5HP)

MECHANICAL FEATURE

- The main casting part is made of meehanite casting
- Inverter type used YASKAWA VFD.
- X/Y/Z axis double nut ball screw.
- Three-axis with servo motor feed (Z-axis with brake)
- Milling head type:
 - 1.8# head :
 - Steps (AE) Inverter (EC)
 - 2.0# head :
 - Steps (AT) Inverter (TC)



MECHANICAL DIMENSION



SPECIFICATIONS AND ACCESSORIES

Model	Unit	YSM-VB600AE	YSM-VB600AT	YSM-VB600EC	YSM-VB600TC
Travel					
X axis travel	mm	1000 (Opt.1200/1400)			
Y axis travel	mm	550			
Z axis travel	mm	600			
Slideway X/Y/Z	type	△ / □ / □			
Quill travel	mm	140			
Quill swivel (R&L)	degree	±45			
Table					
Dimension	mm	1400x450 (Opt.1600x450,1800x450)			
T-slots (Wx No. x P)	mm	18x3x100			
Spindle					
Milling head	type	10/20 steps	10 steps	Inverter	
60HZ		70-3350(10)	75-3500		
Speed	RPM	58-2780(10)	60-2870	55-3600	
50HZ		58-5560(20)			
Feeds	mm/rev	0.04/0.08/0.15			
Taper	type	NT40 or BT40			
Quill diameter	mm	105	110	105	110
Motor					
Main spindle	HP	5 (Opt.7.5)			
X/Y/Z axis motor	kw	0.75/0.75/0.75			
Feedrate					
X/Y/Z Feed speed	mm/min	0-3000			
Machine					
Net Weight	kg	3400			

Standard accessories

- Draw bar
- Tool box and tools
- Front steel cover on Y axis
- Back hoist drum chip cover on Y axis
- Working lamp
- Auto lubrication system
- Coolant system (Pump1/4HP)
- Deluxe type operation panel
- Electric box
- X/Y/Z Servo motor
- X/Y/Z axis Ball screw
- Tapping equipment of spindle (AT/TC)

Optional accessories

- Working table splash guard
- Rear splash guard
- Chip tray
- Power drawbar
- Digital readout (DRO)
- Above finned bellows cover on Z axis
- Working table splash guard
- Rear splash guard
- Chip tray



CNC BED TYPE MILLING MACHINE

YSM-VB600S SERIES

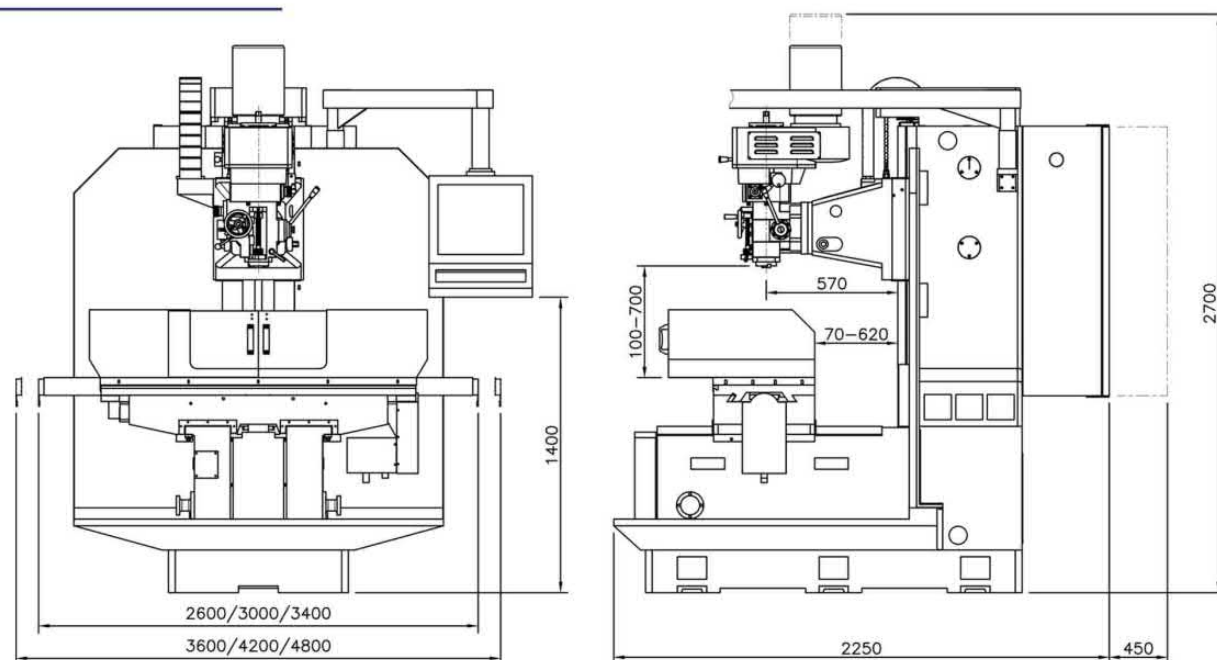
- X/Y/Z travel : 1000(Opt.1200,1400)/550/600mm
- Spindle taper : NT40
- Spindle motor : 5HP(Opt.7.5HP)
- Controller system

MECHANICAL FEATURE

- Controller Type:
FANUC/SIEMENS/SYNTEC/FAGOR.
- The main casting part is made of
meehanite casting.
- Inverter type used YASKAWA VFD
- X/Y/Z axis with servo motor
(Z-axis with brake).
- X/Y/Z axis double nut ball screw.
- Milling head type:
-1.8#(SE)/2.0#(ST)



MECHANICAL DIMENSION



SPECIFICATIONS AND ACCESSORIES

Model	Unit	YSM-VB600SE	YSM-VB600ST
Travel			
X axis travel	mm	1000 (Opt.1200/1400)	
Y axis travel	mm	550	
Z axis travel	mm	600	
Slideway X/Y/Z	type	△ / □ / □	
Quill travel (manual)	mm	140	
Quill swivel (R&L)	degree	±45	
Table			
Dimension	mm	1400x450 (Opt.1600x450,1800x450)	
T-slots (Wx No. x P)	mm	18x3x100	
Spindle			
Milling head	type	Inverter (Opt.servo)	Inverter
Speed	RPM	55-4200(Opt.0-6000)	55-3600
Taper	type	NT40 or BT40	
Quill Diameter	mm	105	110
Motor			
Main spindle	HP	5 (Opt.3.7-5.5kw servo)	5 (Opt.7.5)
X/Y/Z axis motor	KW	0.94/0.94/0.94 (SIEMENS 828D)	
		1/1/1 (SYNTEC 22MA)	
		1/1/1 (FAGOR 8058i)	
		1.2/1.2/1.2 (FANUC 0i-MF PLUS)	
Feedrate			
X/Y/Z Feed speed	mm/min	0-3000	
X/Y/Z Rapid feed speed	mm/min	5000	
Machine			
Net Weight	kg	3500	

Standard accessories

- Draw bar
- Tool box and tools
- steel cover on X axis
- Front steel cover on Y axis
- Rear finned bellows cover on Y axis
- Below finned bellows cover on Z axis
- Working lamp & 3-color signal lamp
- Auto lubrication system
- Heat exchanger for electrical cabinet
- Manual Pulse Generator (MPG)
- Deluxe type operation panel
- XYZ-axis double nut ball screw
- XYZ-axis absolute pulse coder feedback
- Working table splash guard

Optional accessories

- Rear splash guard
- Chip tray
- Coolant system (Pump1/4HP)
- Power drawbar
- Above finned bellows cover on Z axis



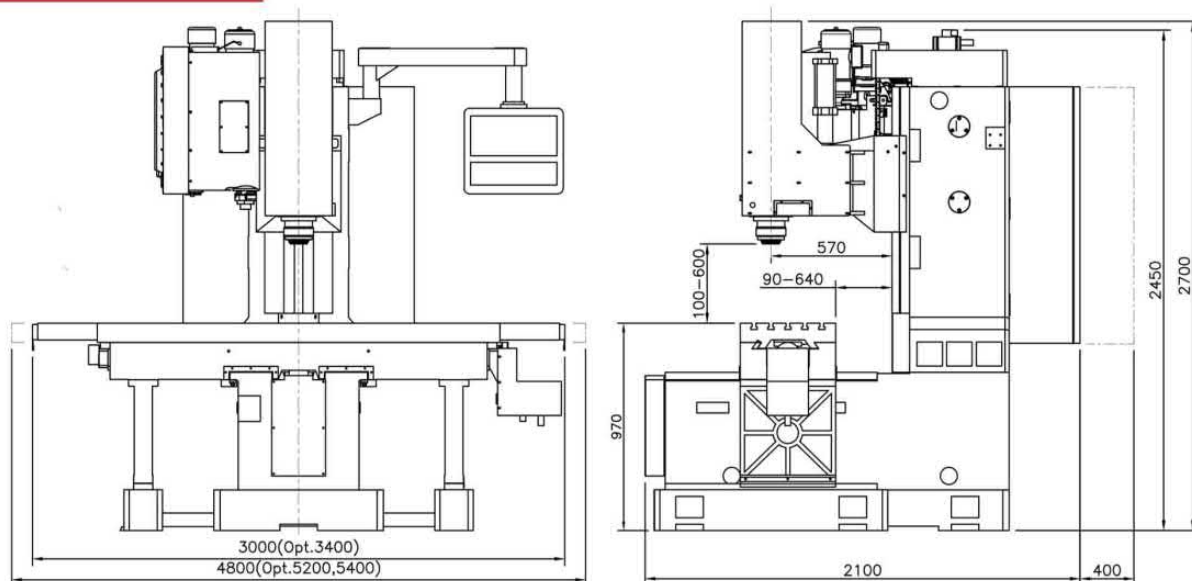
CNC BED TYPE MILLING MACHINE

YSM-VB1600

- X/Y/Z travel : 1600(Opt.1800,2000)/550/500mm
- Spindle taper : BT40(Opt.BT50)
- Spindle motor : 7.5/11kw(Opt.11/15kw)
- Spindle driven : Belt(Opt.Direct)



MECHANICAL DIMENSION



SPECIFICATIONS AND ACCESSORIES

Model	Unit	YSM-VB1600
Travel		
X axis travel	mm	1600 (Opt.1800/2000)
Y axis travel	mm	550
Z axis travel	mm	500
Slideway X/Y/Z	type	△ / □ / □
Dist. from spindle nose to table	mm	100-600
Spindle centerline to column	mm	570
Table		
Dimension	mm	2000x450 (Opt.2200x450,2400x450)
T-slots (Wx No. x P)	mm	18x3x100
Spindle		
Transmission	type	Belt (Opt.Direct)
Speed	RPM	8000 (Opt.10000)
Taper	type	BT40 (Opt.BT50)
Motor		
Main spindle	KW	7.5/11 (Opt.11/15)
		1.45/1.45/1.45 (SIEMENS 828D)
		1.7/1.7/1.7 (SYNTEC 22MA)
		1.4/1.4/1.4 (FAGOR 8058i)
		1.4/1.4/1.4 (FANUC 0i-MF PLUS)
X/Y/Z axis motor	KW	
Feedrate		
X/Y/Z Feed speed	mm/min	0-3000
X/Y/Z Rapid feed speed	mm/min	5000
Tool magazine(Opt.)		
Tool storage capacity	pcs	20 (Opt.24,30)
Max. tool diameter	mm	Ø80/BT40 (Opt.Ø120/BT50)
Max. tool length	mm	300
Max. tool weight	kg	8/BT40 (Opt.16/BT50)
Machine		
Net Weight	kg	4200

Standard accessories

- Tool box and tools
- steel cover on X axis
- Front steel cover on Y axis
- Rear finned bellows cover on Y axis
- Below finned bellows cover on Z axis
- Working lamp & 3-color signal lamp
- Auto lubrication system
- Heat exchanger for electrical cabinet
- Manual Pulse Generator (MPG)
- Deluxe type operation panel

- Spindle air blow system
- Spindle oil cooler
- Coolant gun and air socket
- Working table splash guard
- Rear splash guard
- Chip tray
- Coolant system (Pump1/4HP)
- XYZ-axis double nut ball screw
- XYZ-axis absolute pulse coder feedback

Optional accessories

- Full splash guard
- tools magazine with arm type ATC
- Auto tool length measurement
- Auto workpiece coordinate measurement



CNC HORIZONTAL MILLING MACHINE

YSM-4HV

- X/Y/Z travel : 700 (Opt.1000,1300)/200/600mm
- Spindle taper : NT50
- Spindle motor : 10HP (Opt.15,20HP)
- Spindle driven : Gear type



MECHANICAL FEATURE

- Suitable for heavy-duty slotting with a maximum cutting torque of 448 Nm provided by the spindle.
- Controller Type: FANUC/SIEMENS/SYNTEC/FAGOR.
- The main casting part is made of meehanite (FC30).
- X/Y/Z axis with servo motor (Z-axis with brake).
- The three-axis uses a pre-pressed double-nut ball screw (C3).
- Inverter type used VFD.

SPECIFICATIONS AND ACCESSORIES

Model	Unit	YSM-4HV
Travel		
X axis travel	mm	700 (Opt.1000/1300)
Y axis travel	mm	200
Z axis travel	mm	600
Slideway X/Y/Z	type	△ / □ / □
Dist. from spindle nose to table	mm	50-650
Table		
Dimension	mm	1100(Opt.1400,1700)x400
T-slots (Wx No. x P)	mm	18x3x120
Spindle		
Speed	RPM	100-1200 (Inverter)
Taper	type	NT50
Side milling cutter max dia.	mm	300
Motor		
Main spindle	KW	10 (Opt.15,20)
		0.94/0.94/1.45 (SIEMENS 828D)
		1.1/1.1/1.7 (SYNTEC 22MA)
		1/1/1.4 (FAGOR 8058i)
		1.2/1.2/1.4 (FANUC 0i-MF PLUS)
X/Y/Z axis motor	KW	
Feedrate		
X/Y/Z Feed speed	mm/min	0-3000
X/Y/Z Rapid feed speed	mm/min	5000
Machine		
Net Weight	kg	4500

Standard accessories

- Draw bar
- Tool box and tools
- Front steel cover on Y axis
- Back hoist drum chip cover on Y axis
- Working lamp & 3-color signal lamp
- Auto lubrication system
- Heat exchanger for electrical cabinet
- Manual Pulse Generator (MPG)
- Deluxe type operation panel
- XYZ-axis double nut ball screw
- XYZ-axis absolute pulse coder feedback
- Full splash guard
- Coolant system
- Horizontal bracket (2pcs/set)
- Horizontal arbor(38.1mm)

Optional accessories

- Power drawbar

MECHANICAL DIMENSION

