



Vertical & Horizontal **MILLING MACHINE**



M1460X-H

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▶ VERTICAL TURRET MILL

RIC-M2KS



Variable Speed



Dovetail

RIC-M3KVS

(STD.) X,Y,Z axis:Dovetailed ways



STANDARD ACCESSORIES

- Tool box & Tools
- One shot lubrication & draw bar
- Dovetail ways for X,Y,Z axes
- Chip covers (front & rear)
- Forwarder & reverse switch
- X,Y,Z axes hardened & ground
- Saddle coated with turcite-b on X&Y axes

OPTIONAL ACCESSORIES

- Electrical box & control panel
- Power feeds for X, Y & Z axis
- Coolant pump
- Chip tray

SPECIFICATIONS

MODEL	RIC-M2KS		RIC-M2KVS
TABLE			
Table size	228x1067 mm(9"x42")		
T-slots (size x number x distance)	16 x 3 x 28 mm		
TRAVEL			
X-axis	700 mm(28") / opt. 860 mm(34")		
Y-axis	330 mm(13")		
Z-axis	410 mm(16")		
Quill	127 mm(5")		
Ram	350 mm		
SPINDLE			
Taper	NT-30 or R8		
Motor	3HP		
Quill feeds(3)	0.04,0.08,0.15mm/rev		
Speeds(50Hz)	8 Speeds, 70~2310rpm	16 Speeds(Opt), 70~4620rpm	Variable Speeds, 60~3600rpm
Speeds(60Hz)	8 Speeds, 80~2720rpm	16 Speeds(Opt), 80~5440rpm	Variable Speeds, 70~4200rpm
HEAD			
45°Tilt forward & backward/ 90°Swivel right & left			
Machine Dimension(HxDxW)	2160x1710x1680 mm		
Spindle Center to Column Face	160-490 mm		
Spindle Nose to Table	50-460 mm		
Machine Weight (NET)	1000 kgs		

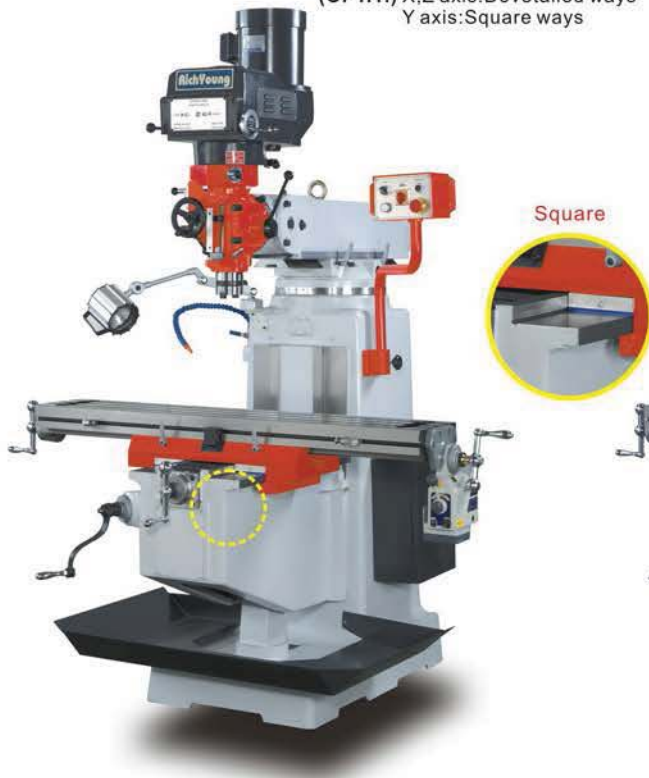
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VERTICAL TURRET MILL

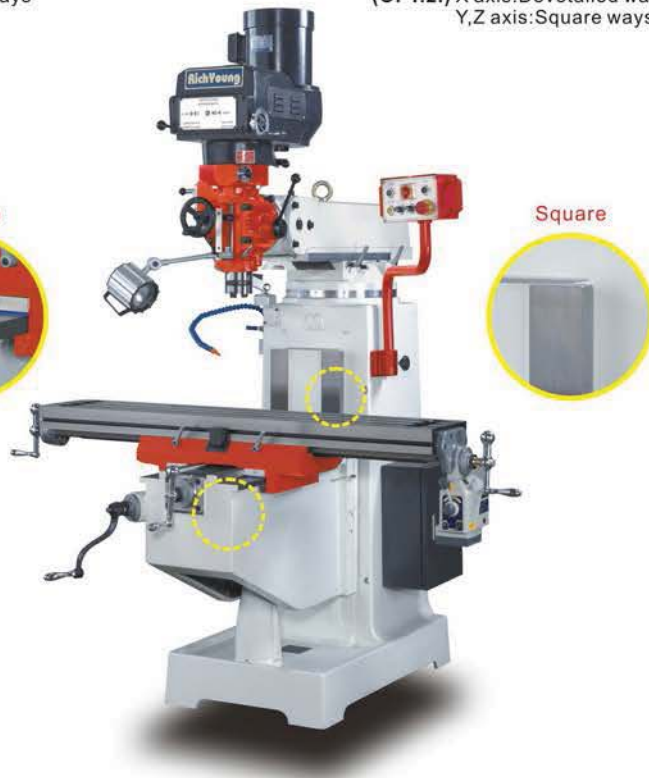
RIC-M3KVS

(OPT.1.) X,Z axis:Dovetailed ways
Y axis:Square ways



RIC-M3KVS

(OPT.2.) X axis:Dovetailed ways
Y,Z axis:Square ways



STANDARD ACCESSORIES

- Tool box & Tools
- One shot lubrication & draw bar
- H beam
- Dovetail ways for X,Y,Z axes
- Chip covers (front & rear)
- Forwarder & reverse switch
- X,Y,Z axes hardened & ground
- Saddle coated with turcite-b on X&Y axes

OPTIONAL ACCESSORIES

- Electrical box & control panel
- Power feeds for X, Y & Z axis
- Coolant pump
- Chip tray

SPECIFICATIONS

MODEL	RIC-M3KS			RIC-M3KVS
TABLE				
Table size	254x1270 mm(10"x50")			
T-slots (size x number x distance)	16 x 3 x 28 mm			
TRAVEL				
X-axis	800 mm(31") / opt. 915 mm(36")			
Y-axis	380 mm(15")			
Z-axis	430 mm(13")			
Quill	127 mm(5")			
Ram	508 mm			
SPINDLE				
Taper	NT-30 or R8 / OPT.:NT-40			
Motor	3HP			
Quill feeds(3)	0.04,0.08,0.15mm/rev			
Speeds(50Hz)	8 Speeds, 70~2310rpm	10 Speeds(Opt), 70~2850rpm	16 Speeds(Opt), 70~4620rpm	Variable Speeds, 60~3600rpm
Speeds(60Hz)	8 Speeds, 80~2720rpm	10 Speeds(Opt), 80~3600rpm	16 Speeds(Opt), 80~5440rpm	Variable Speeds, 70~4200rpm
HEAD				
45°Tilt forward & backward/ 90°Swivel right & left				
Machine Dimension(HxDxW)	2180x2040x1710 mm			
Spindle Center to Column Face	140-660 mm			
Spindle Nose to Table	50-480 mm			
Machine Weight (NET)	1100 kgs			

※Design and specifications are subject to change without prior notice.

RIC-M5KS



RIC-M6KS



STANDARD ACCESSORIES

- Tool box & Tools
- One shot lubrication & draw bar
- Dovetail way for X axis
- Square ways for Y&Z axes
- Chip covers (front & rear)
- Forwarder & reverse switch
- X,Y,Z axes hardened & ground
- Saddle coated with turcite-b on X&Y axes

OPTIONAL ACCESSORIES

- Electrical box & control panel
- Power feeds for X, Y & Z axis
- Coolant pump
- Chip tray

SPECIFICATIONS

MODEL	RIC-M5KS	RIC-M5KVS	RIC-M6KS	RIC-M6KVS
TABLE				
Table size	254x1270 mm(10"x50")		305x1370 mm(12"x54")	
T-slots (size x number x distance)	16 x 3 x 28 mm		16x3x28 mm	
TRAVEL				
X-axis	800 mm(31") / opt. 915 mm(36")		800 mm(31") / opt. 915 mm(36")	
Y-axis	430 mm(13")		380 mm(15")	
Z-axis	520 mm(16")		480 mm(19")	
Quill	127 mm(5")		127 mm(5")	
Ram	530 mm		530 mm	
SPINDLE				
Taper	NT-40		NT-40	
Motor	5HP		5HP	
Quill feeds(3)	0.04,0.08,0.15mm/rev			
Speeds(50Hz)	8 Speeds(70~2310rpm) Opt.:10 Speeds(70~2850rpm) Opt.:16 Speeds(70~4620rpm)	Variable Speeds, 60~3600rpm	8 Speeds(70~2310rpm) Opt.:10 Speeds(70~2850rpm) Opt.:16 Speeds(70~4620rpm)	Variable Speeds, 60~3600rpm
Speeds(60Hz)	8 Speeds(80~2720rpm) Opt.:10 Speeds(80~3600rpm) Opt.:16 Speeds(80~5440rpm)	Variable Speeds, 70~4200rpm	8 Speeds(80~2720rpm) Opt.:10 Speeds(80~3600rpm) Opt.:16 Speeds(80~5440rpm)	Variable Speeds, 70~4200rpm
HEAD				
	45°Tilt forward & backward/ 90°Swivel right & left		45°Tilt forward & backward/ 90°Swivel right & left	
Machine Dimension(HxDxW)	2340x2230x1810 mm		2340x2230x2360 mm	
Spindle Center to Column Face	220-750 mm		220-750 mm	
Spindle Nose to Table	50-570 mm		50-530 mm	
Machine Weight (NET)	1300 kgs		1400 kgs	

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RIC-M7KVS



Electrical box



RIC-M8KVS



STANDARD ACCESSORIES

- X&Y axis automatic & rapid feeds driven by 1/2HP 8P motor and inverter
- Hardened table and all slide ways
- Z axis rapid up-down driven by 1/2HP 6P motor
- Auto lubrication
- Electric box installed with overarm control system
- Halogen light
- Square ways for Y&Z axes
- Saddle coated with turcite-b on X&Y axes

OPTIONAL ACCESSORIES

- X axis power feeds
- Hardened table and all slide ways
- Z axis rapid up-down driven by 1/2HP 6P motor
- Coolant system + auto lubrication
- Electric box installed with overarm control system
- Halogen light
- Saddle coated with turcite-b on X&Y axes

SPECIFICATIONS

MODEL	RIC-M7KVS	RIC-M8KVS
TABLE		
Table size	300 x 1500 mm (12"x60")	300 x 1500 mm (12"x60")
T-slots (size x number x distance)	16 x 3 x 71 mm	16 x 3 x 71 mm
TRAVEL		
X-axis	1000 mm(40")	1200 mm(48")
Y-axis	374/397 mm (auto / manual)	380 mm (15")
Z-axis	400 mm (16")	500 mm (20")
Quill	150 mm (6")	150 mm (6")
Ram	500 mm (20")	500 mm (20")
SPINDLE		
Taper	NT-40	NT-40
Motor	5HP	5HP
Quill feeds(3)	0.04, 0.08, 0.13 mm/rev	
Speeds(60Hz)	Variable Speeds, 70~4200rpm	Variable Speeds, 60~3600rpm
HEAD		
	35°Tilt forward & backward/ 90°Swivel right & left	90°Swivel right & left
Machine Dimension(HxDxW)	2100x1650x2100 mm	2400x1950x2100 mm
Spindle Center to Column Face	265-750 mm	0-560 mm
Spindle Nose to Table	85-470 mm	0-535 mm
Machine Weight (NET)	1700 kgs	2250 kgs

※Design and specifications are subject to change without prior notice.



VERTICAL & HORIZONTAL MILLING MACHINE

RIC-M330

STANDARD ACCESSORIES

- Coolant system
- X-axis : gearbox driver
- Cutting sleeve & arbor
- Draw bar
- Tool box with tools
- Working light

OPTIONAL ACCESSORIES

- Chip tray
- Upon request



SPECIFICATIONS

MODEL	RIC-M330
TABLE	
Table size	300 x 1200 mm (12"x47")
Longitudinal travel (X)	700 mm (27-1/2")
Cross travel (Y)	300 mm (11-4/5")
Vertical travel (Z)	330 mm (13")
T-slots (size x number x distance)	16 x 3 x 65 mm
Longitudinal feeds	17~203 mm/min (6 Steps)
Rapid longitudinal travel	1350 mm/min
Rapid vertical travel	Manual
VERTICAL SPINDLE	
Spindle speeds	70~3800 rpm Variable speed
Quill travel	140
Spindle taper	NT-40
Swivelling angle of spindle head (Right & Left)	90°
Horizontal rotation of arm	360°
Cross travel of arm	455 mm
Distance of spindle nose to table	70~420 mm
HORIZONTAL SPINDLE	
Spindle speeds	90~1225 rpm (6 Steps)
Spindle taper	NT-40
Distance of spindle center to table	0~330 mm
Distance of spindle center to overarm	135 mm
MOTOR	
Vertical spindle	5 HP
Horizontal spindle	4 HP
Table longitudinal feed	1-1/2 HP
Table vertical rapid travel	Manual
Coolant pump	1/8 HP
Net weight	1250 kgs
Gross weight	1380 kgs
Packing measurement (L x W x H)	1450x1475x1960 mm (57"x58"x77")

※Design and specifications are subject to change without prior notice.



VERTICAL & HORIZONTAL MILLING MACHINE

RIC-M420

STANDARD ACCESSORIES

- Vertical head
- Coolant system
- X-axis : gearbox driver
- Cutting sleeve & arbor
- Draw bar
- Tool box with tools
- Working light

OPTIONAL ACCESSORIES

- Chip tray
- Upon request



SPECIFICATIONS

MODEL	RIC-M420
TABLE	
Table size	240 x 1055 mm (9"x42")
Longitudinal travel (X)	560 mm (22")
Cross travel (Y)	300 mm (11-4/5")
Vertical travel (Z)	420 mm (16-1/2")
T-slots (size x number x distance)	16 x 3 x 54 mm
Longitudinal feeds	17~203 mm/min (6 Steps)
Rapid longitudinal travel	1713 mm/min
Rapid vertical travel	Manual
VERTICAL SPINDLE	
Spindle speeds	70~1225 rpm (6Steps)
Quill travel	—
Spindle taper	NT-40
Swivelling angle of spindle head (Right & Left)	45°
Horizontal rotation of arm	—
Cross travel of arm	420 mm
Distance of spindle nose to table	0~380 mm
HORIZONTAL SPINDLE	
Spindle speeds	70~1225 rpm (6 Steps)
Spindle taper	NT-40
Distance of spindle center to table	0~320 mm
Distance of spindle center to overarm	120 mm
MOTOR	
Vertical spindle	—
Horizontal spindle	3 HP
Table longitudinal feed	1 HP
Table vertical rapid travel	Manual
Coolant pump	1/8 HP
Net weight	1100 kgs
Gross weight	1250 kgs
Packing measurement (L x W x H)	1397x1220x1905 mm (55"x48"x75")

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VERTICAL & HORIZONTAL MILLING MACHINE

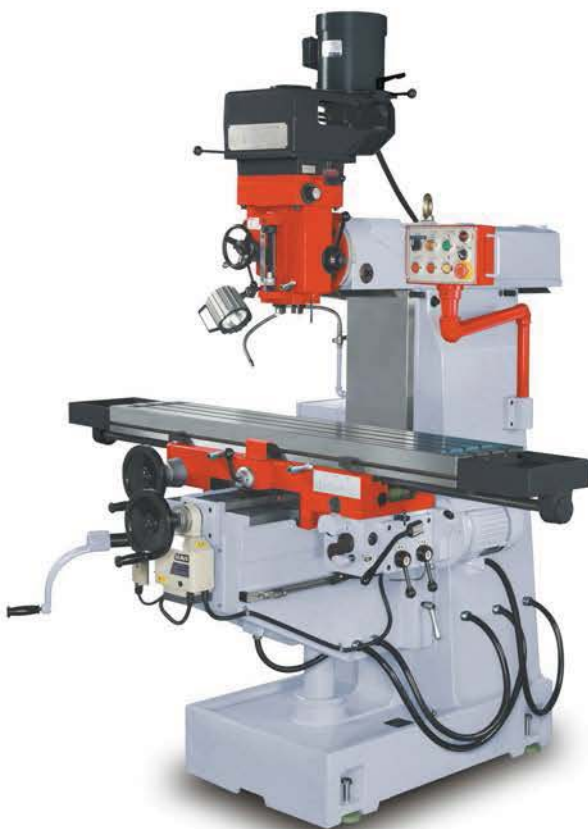
RIC-M460KS/V

STANDARD ACCESSORIES

- Coolant system
- Automatic lubricator
- X-axis : gearbox driver
- Y-axis : table cross feed
- Z-axis : rapid up-down motor
- Electric control panel
- Working light
- Draw bar
- Tool box with tools

OPTIONAL ACCESSORIES

- Chip tray
- Upon request



SPECIFICATIONS

MODEL	RIC-M460KS/V	
TABLE		
Table size	300 x 1500 mm (12"x60")	
Longitudinal travel (X)	1000 mm (39")	
Cross travel (Y)	380 mm (15")	
Vertical travel (Z)	460 mm (18")	
T-slots (size x number x distance)	16 x 3 x 70 mm	
Longitudinal feeds	24~707 mm/min (12 Steps)	
Rapid longitudinal travel	2160 mm/min	
Rapid vertical travel	680 mm/min	
VERTICAL SPINDLE		
Spindle speeds	75~3600 rpm (16Steps)	70~3800 rpm Variable speed
Quill travel	140	
Spindle taper	NT-40	
Swivelling angle of spindle head (Right & Left)	45°	
Horizontal rotation of arm	—	
Cross travel of arm	450 mm	
Distance of spindle nose to table	90~500 mm	
HORIZONTAL SPINDLE		
Spindle speeds	—	
Spindle taper	—	
Distance of spindle center to table	—	
Distance of spindle center to overarm	—	
MOTOR		
Vertical spindle	5HP(4P) / 3HP(8P)	5HP(4P)
Horizontal spindle	—	
Table longitudinal feed	2HP (6P)	
Table vertical rapid travel	1HP (8P)	
Coolant pump	1/8 HP	
Net weight	2100 kgs	
Gross weight	2300 kgs	
Packing measurement (L x W x H)	1950x2050x1950 mm (77"x81"x77")	

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▶ VERTICAL & HORIZONTAL MILLING MACHINE

RIC-M460S/V

STANDARD ACCESSORIES

- Coolant system
- Automatic lubricator
- X-axis : gearbox driver
- Y-axis : table cross feed
- Z-axis : rapid up-down motor
- Electric control panel
- Working light
- Draw bar
- Tool box with tools

OPTIONAL ACCESSORIES

- Chip tray
- Upon request

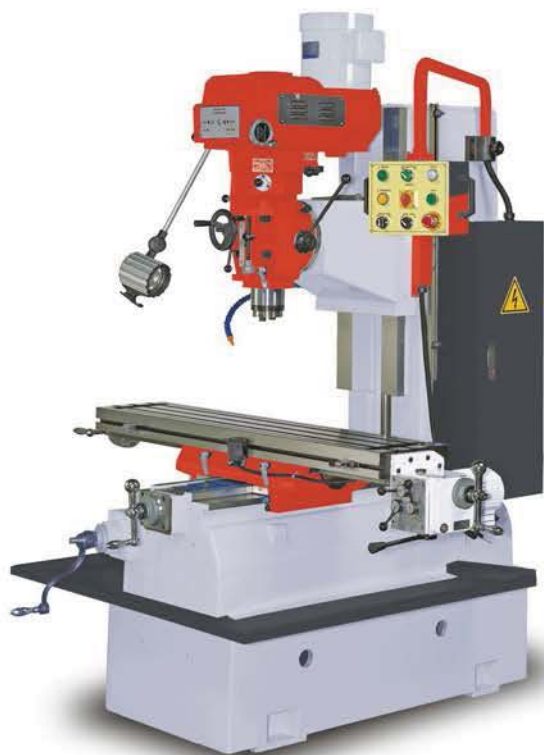


SPECIFICATIONS

MODEL	RIC-M460S/V	
TABLE		
Table size	300 x 1500 mm (12"x60")	
Longitudinal travel (X)	1000 mm (39-2/5")	
Cross travel (Y)	380 mm (15")	
Vertical travel (Z)	460 mm (18")	
T-slots (size x number x distance)	16 x 3 x 70 mm	
Longitudinal feeds	24~707 mm/min (12 Steps)	
Rapid longitudinal travel	2160 mm/min	
Rapid vertical travel	680 mm/min	
VERTICAL SPINDLE		
Spindle speeds	75~3600 rpm (16Steps)	70~3800 rpm Variable speed
Quill travel	140	
Spindle taper	NT-40	
Swivelling angle of spindle head (Right & Left)	45°	
Horizontal rotation of arm	360°	
Cross travel of arm	450 mm	
Distance of spindle nose to table	90~500 mm	
HORIZONTAL SPINDLE		
Spindle speeds	90~1320 rpm (9 Steps)	
Spindle taper	NT-40	
Distance of spindle center to table	0~450 mm	
Distance of spindle center to overarm	160 mm	
MOTOR		
Vertical spindle	5HP(4P) / 3HP(8P)	5HP(4P)
Horizontal spindle	5HP (4P)	
Table longitudinal feed	2HP (6P)	
Table vertical rapid travel	1HP (8P)	
Coolant pump	1/8 HP	
Net weight	2100 kgs	
Gross weight	2300 kgs	
Packing measurement (L x W x H)	1950x2050x1950 mm (77"x81"x77")	

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RIC-M5BVS



Step Pulley

RIC-M6BVS



SPECIFICATIONS

STANDARD ACCESSORIES

- Tool box & Tools
- One shot lubrication & draw bar
- Dovetail ways for X axis
- Chip covers (front & rear)
- Forwarder & reverse switch
- X,Y,Z axes hardened & ground
- Saddle coated with turcrite-b on X&Y axes
- Square ways for Y&Z axes

OPTIONAL ACCESSORIES

- Electrical box & control panel
- Power feeds for X, Y & Z axis
- Coolant pump
- Chip tray
- Counter balance weight
- Upon request

MODEL	RIC-M5BS	RIC-M5BVS	RIC-M6BS	RIC-M6BVS
TABLE				
Table size	254x1270 mm(10"x50")		305x1370 mm(12"x54")	
T-slots (size x number)	16 x 3 mm			
TRAVEL				
X-axis	800 mm(31") / opt. 915 mm (36")		800 mm(31") / opt. 1100 mm (43")	
Y-axis	510 mm (20")		490 mm (19")	
Z-axis	700 mm (28")		650 mm (26")	
Quill	127 mm(5")		127 mm(5")	
SPINDLE				
Taper	NT-40		NT-40	
Motor	5HP		5HP	
Quill feeds(3)	0.04,0.08,0.15 mm/rev		0.04,0.08,0.15 mm/rev	
Speeds(50Hz)	8 Speeds(70~2310rpm) Opt.:10 Speeds(70~2850rpm) Opt.:16 Speeds(70~4620rpm)	Variable Speeds, 60~3600rpm	8 Speeds(70~2310rpm) Opt.:10 Speeds(70~2850rpm) Opt.:16 Speeds(70~4620rpm)	Variable Speeds, 60~3600rpm
Speeds(60Hz)	8 Speeds(80~2720rpm) Opt.:10 Speeds(80~3600rpm) Opt.:16 Speeds(80~5440rpm)	Variable Speeds, 70~4200rpm	8 Speeds(80~2720rpm) Opt.:10 Speeds(80~3600rpm) Opt.:16 Speeds(80~5440rpm)	Variable Speeds, 70~4200rpm
HEAD	90°Swivel right & left		90°Swivel right & left	
Machine Dimension(HxDxW)	1880x1580x1800 mm		2080x1580x2360 mm	
Spindle Center to Column Face	410 mm (16")		410 mm (16")	
Spindle Nose to Table	50-750 mm		50-750 mm	
Machine Weight (NET)	1100 kgs		1350 kgs	

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RIC-1654VS

STANDARD ACCESSORIES

- Turcite-b coated on X&Y slides
- Y&Z axes slide square way
- X,Y,Z axis H&G and hardened table+b21
- Ball screw for X&Y axes
- 2HP vari frequency motors for X,Y,Z axis with 2HP inverter
- Y axis telescopic metal cover
- Halogen lamp
- Electric box and control panel
- Coolant system & chip pan
- Counter balance weight

OPTIONAL ACCESSORIES

- Air power draw bar for vari speeds modle
- Extra charge for packing:1set/crate
- Inverter driven vertical spindle



SPECIFICATIONS

MODEL	RIC-1654S	RIC-1654VS
TABLE		
Table size	400x1370 mm (16"x54")	
T-slots (size x number)	16 x 5 mm	
TRAVEL		
X-axis	1000 mm (40")	
Y-axis	508 mm (20")	
Z-axis	600 mm (24")	
Quill	150 mm(6")	
SPINDLE		
Taper	NT-40	
Motor	5HP	
Quill feeds(3)	0.04, 0.08, 0.13 mm/rev	
Speeds(60Hz)	10 Speeds, 60~3600rpm	Variable Speeds, 70~4200rpm
HEAD		
Machine Dimension(HxDxW)	90°Swivel right & left 2050x1720x1970 mm	
Spindle Center to Column Face	533 mm (21")	
Spindle Nose to Table	90-700 mm	
Machine Weight (NET)	2400 kgs	

※Design and specifications are subject to change without prior notice.



RIC-M1460B

STANDARD ACCESSORIES

- X axis telescopic steel cover
- Y axis telescopic steel cover
- Z axis brake cylinder
- X,Y,Z axis ball screw
- Halogen lamp x 2 pcs
- Automatic lubrication system
- Coolant system
- Draw bar
- Tool box & tools
- 3-axis DC servo motor

OPTIONAL ACCESSORIES

- Chip pan
- Rear splash guard
- Semi table guard
- Z axis telescopic steel cover
- Air draw bar
- Digital read out
- Widen table 20" (510 mm)
- Remote MPG
- X-axis travel 2000 mm
Table 610x2450 mm
- Increased Z-axis travel by 100/200/300 mm
- Horizontal milling head NT-50

SPECIFICATIONS

MODEL		RIC-M1460B	RIC-M1660B
TRAVEL			
Longitudinal travel (X)	mm	1400	1600
Cross travel (Y)	mm	600	650
Vertical travel (Z)	mm	700 / 800 / 900 / 1000	
TABLE			
Table size	mm	1702x510	1900x510
T-slots (size x number x distance)	mm	18 x 4 x 70	
Table load	kgs	1000	1000
Speed feeds	mm/min	10-3000 (X,Y,Z axis)	
Rapid feeds	mm/min	4800 (X,Y,Z, asix)	
SPINDLE			
Spindle taper	—	NT-40 / BT-40	
Quill diameter	mm	Ø110	
Quill travel	mm	140	
Spindle speeds	rpm/min	65-3580(16 Steps) / 85-3600 Variable (OPT.)	
Quill feed speeds	mm/rev	0.035, 0.07, 0.14	
Vertical head swivelling angle (Right & Left)	—	45°	
Spindle nose to table	mm	100~800 / 900 / 1000 / 1100	
Spindle center to column	mm	650	
MOTOR			
Spindle motor	—	5HP,2P/4P ; 7.5HP,2P/4P(OPT.)	
X, Y, Z axis servo motors	Nm	4.5	
Coolant pump	HP	1/8	
Net weight	kgs	4500	4700

※Design and specifications are subject to change without prior notice.



RIC-M1460VF

STANDARD ACCESSORIES

- X axis telescopic steel cover
- Y axis telescopic steel cover
- Z axis brake cylinder
- X,Y,Z axis ball screw
- Halogen lamp x 2 pcs
- Automatic lubrication system
- Coolant system
- Draw bar
- Tool box & tools
- 3-axis DC servo motor

OPTIONAL ACCESSORIES

- Chip pan
- Rear splash guard
- Semi table guard
- Z axis telescopic steel cover
- Air draw bar
- Digital read out
- Widen table 20" (510 mm)
- Remote MPG
- X-axis travel 2000 mm
Table 610x2450 mm
- Increased Z-axis travel by 100/200/300 mm
- Horizontal milling head NT-50

SPECIFICATIONS

MODEL		RIC-M1460VF	RIC-M1660VF
TRAVEL			
Longitudinal travel (X)	mm	1400	1600
Cross travel (Y)	mm	600	650
Vertical travel (Z)	mm	600 / 700 / 800 / 900	
TABLE			
Table size	mm	1702x510	1900x510
T-slots (size x number x distance)	mm	18 x 4 x 70	
Table load	kgs	1000	1000
Speed feeds	mm/min	10-3000 (X,Y,Z axis)	
Rapid feeds	mm/min	4800 (X,Y,Z axis)	
SPINDLE			
Spindle taper	—	NT-50 / BT-50	
Quill diameter	mm	Ø128.57	
Quill travel	mm	—	
Spindle speeds	rpm/min	60-3000(3 Steps frequency inverter controlled)	
Quill feed speeds	mm/rev	—	
Vertical head swivelling angle (Right & Left)	—	—	
Spindle nose to table	mm	90~690 / 790 / 890 / 990	
Spindle center to column	mm	610	
MOTOR			
Spindle motor	—	10HP,4P ; 15HP,4P(OPT.) (Steps frequency inverter controlled)	
X, Y, Z axis servo motors	Nm	4.5	
Coolant pump	HP	1/8	
Net weight	kgs	4800	5000

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RIC-M1460G

STANDARD ACCESSORIES

- X axis telescopic steel cover
- Y axis telescopic steel cover
- Z axis brake cylinder
- X,Y,Z axis ball screw
- Halogen lamp x 2 pcs
- Automatic lubrication system
- Coolant system
- Draw bar
- Tool box & tools
- 3-axis DC servo motor

OPTIONAL ACCESSORIES

- Chip pan
- Rear splash guard
- Semi table guard
- Z axis telescopic steel cover
- Air draw bar
- Digital read out
- Widen table 20" (510 mm)
- Remote MPG
- X-axis travel 2000 mm
Table 610x2450 mm
- Increased Z-axis travel by 100/200/300 mm
- Horizontal milling head NT-50



SPECIFICATIONS

MODEL		RIC-M1460G	RIC-M1660G
TRAVEL			
Longitudinal travel (X)	mm	1400	1600
Cross travel (Y)	mm	600	650
Vertical travel (Z)	mm	600 / 700 / 800 / 900	
TABLE			
Table size	mm	1702x510	1900x510
T-slots (size x number x distance)	mm	18 x 4 x 75	
Table load	kgs	1000	1000
Speed feeds	mm/min	10-3000 (X,Y,Z axis)	
Rapid feeds	mm/min	4800 (X,Y,Z axis)	
SPINDLE			
Spindle taper	—	NT-50 / BT-50	
Quill diameter	mm	Ø128.57	
Quill travel	mm	—	
Spindle speeds	rpm/min	60HZ 125-1100 (6 Steps) / 50HZ 104-1400 (6 Steps)	
Quill feed speeds	mm/rev	—	
Vertical head swivelling angle (Right & Left)	—	—	
Spindle nose to table	mm	120~720 / 820 / 820 / 1020	
Spindle center to column	mm	610	
MOTOR			
Spindle motor	—	10HP , 2P / 4P	
X, Y, Z axis servo motors	Nm	4.5	
Coolant pump	HP	1/8	
Net weight	kgs	4800	5000

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M3KVS



M460S/V



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