

MC SERIES

Linear Way / Box Way

CNC MACHINING CENTER

Rigidity & Efficiency Aim with your productivity



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OPTIONAL ACCESSORIES FOR ALL THE MODELS

- COOLANT THROUGH SPINDLE
- ARM TYPE ATC
- SPINDLE SPEED 10,000 RPM
- ROTARY TABLE
- TRANSFORMER
- CHIP CONVEYOR



LINEAR WAY

MODEL	UNIT	RIC-MC453L	RIC-MC454L	RIC-MC500L	RIC-MC600L
TRAVEL					
X axis	mm	450	450	510	610
Y axis	mm	350	350	410	460
Z axis	mm	400	400	460	520
Spindle nose to table	mm	120~520	120~520	127~587	100~620
Spindle center to column surface	mm	405	405	430	480
AXIS FEED					
Rapid feedrate X, Y axis	M/min	30	30	36	30
Rapid feedrate Z axis	M/min	24	24	36	30
Cutting feed	M/min	10	10	10	10
TABLE					
Table size	mm	300 x 770	300 x 770	600 x 320	700 x 450
Max. load	kgs	200	200	300	250
T-slot number / pitch	mm	3 / 80	3 / 80	3 / 100	4 / 95
T-slot width	mm	16	16	14	16
HEADSTOCK					
Spindle speed	rpm	15,000 (H.T.D Belt) / 24,000 (Built-in)	8,000 (H.T.D Belt)	10,000 (BT-30) / 8,000 (BT-40)	8,000
Spindle motor cont. / 30min.	HP	3 / 5 / 6	5 / 7.5	7.5 / 10	7.5 / 10
Spindle diameter	mm	120	120	120	120
Spindle taper		BT-30	BT-40	BT-30 / BT-40	BT-40
Coolant pump	HP	1/2	1/2	1/2	1/4
ATC SYSTEM					
Max. tool diameter	mm	Ø60	Ø75	Ø80	Ø80
Max. tool length	mm	100	125	200	200
Max. tool weight	kgs	2	6	6	7
Tool capacity	Tools	Std: 12 (Armless) Opt: 20 (Arm)	Std: 12 (Armless) Opt: 20 (Arm)	Std: 12 (BT-30) / 16 (BT-40) (Armless) Opt: 20 (BT-30) / 16 (BT-40) (Arm)	Std: 16 (Armless) Opt: 16 / 20 (Arm)
GENERAL INFORMATION					
Machine weight (APPROX.)	kgs	2,900	2,900	3,000	3,300
Machine height	mm	2,370	2,370	2,245	2,300
Floor space (W x D)	mm	1,650 x 2,250	1,650 x 2,250	1,800 x 2,305	2,200 x 2,200
Packing size (L x W x H)	mm	2,300 x 1,980 x 2,250	2,300 x 1,980 x 2,250	2,455 x 2,305 x 2,360	2,260 x 2,260 x 2,560
Air power required	kgs / cm ²	6	6	6	6



MODEL	UNIT	RIC-MC650L	RIC-MC800L	RIC-MC1000L	RIC-MC1200L	RIC-MC1400L
TRAVEL						
X axis	mm	650	800	1,000	1,200	1,400
Y axis	mm	480	480	580	600	700
Z axis	mm	510	510	610	610	610
Spindle nose to table	mm	125-635	125-635	90-700	90-700	90-700
Spindle center to column surface	mm	500	500	705	705	705
AXIS FEED						
Rapid feedrate X, Y axis	M/min	24	24	24 / 40 (Opt.)	24 / 40 (Opt.)	24 / 40 (Opt.)
Rapid feedrate Z axis	M/min	20	20	24	24	24
Cutting feed	M/min	10	10	1-5	1-5	1-5
TABLE						
Table size	mm	800 x 450	850 x 450	1,100 x 510	1,300 x 580	1,500 x 650
Max. load	kgs	400	500	800	1,000	1,800
T-slot number / pitch	mm	4 / 100	4 / 100	5 / 100	5 / 100	5 / 100
T-slot width	mm	18	18	18	18	18
HEADSTOCK						
Spindle speed	rpm	8,000	8,000	8,000	8,000	8,000
Spindle motor cont. / 30min.	HP	7.5 / 10	7.5 / 10	10 / 15	10 / 15	15 / 20
Spindle diameter	mm	65	65	70	70	70
Spindle taper		BT-40 / CAT-40 (Opt.)	BT-40 / CAT-40 (Opt.)	BT-40 / BT-50 (Opt.)	BT-40 / BT-50 (Opt.)	BT-40 / BT-50 (Opt.)
Coolant pump	HP	1/4	1/4	1/2	1/2	1/2
ATC SYSTEM						
Max. tool diameter	mm	Ø80	Ø80	Ø90	Ø90	Ø90
Max. tool length	mm	250	250	250	250	250
Max. tool weight	kgs	6	6	6	6	6
Tool capacity	Tools	Std: 16 (Armless) Opt: 20 (Arm)	Std: 16 (Armless) Opt: 20 (Arm)	Std: 16 (Armless) Opt: 24 (Arm)	Std: 16 (Armless) Opt: 24 (Arm)	Std: 16 (Armless) Opt: 24 (Arm)
GENERAL INFORMATION						
Machine weight (APPROX.)	kgs	4,000	4,500	5,500	6,200	11,000
Machine height	mm	2,450	2,450	3,130	3,130	3,130
Floor space (W x D)	mm	1,930 x 2,100	1,930 x 2,200	4,100 x 3,600	5,170 x 3,600	5,650 x 3,600
Packing size (L x W x H)	mm	2,360 x 2,250 x 2,450	2,360 x 2,250 x 2,450	3,100 x 2,300 x 2,520	4,170 x 2,300 x 2,520	4,650 x 2,300 x 2,520
Air power required	kgs/cm ²	6	6	6	6	6

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OPTIONAL ACCESSORIES FOR ALL THE MODELS

- COOLANT THROUGH SPINDLE
- ARM TYPE ATC
- SPINDLE SPEED 10,000 RPM
- ROTARY TABLE
- TRANSFORMER
- CHIP CONVEYOR



MODEL	UNIT	RIC-MC650B	RIC-MC800B	RIC-MC1050B	RIC-MC1060B
TRAVEL					
X axis	mm	650	800	1,000	1,000
Y axis	mm	480	480	500	600
Z axis	mm	510	510	570	570
Spindle nose to table	mm	125-635	125-635	100-670	100-670
Spindle center to column surface	mm	500	500	600	675
AXIS FEED					
Rapid feedrate X, Y axis	M/min	16	16	15	15
Rapid feedrate Z axis	M/min	16	16	15	15
Cutting feed	M/min	10	10	5	5
TABLE					
Table size	mm	800 x 450	850 x 450	1,200 x 500	1,300 x 600
Max. load	kgs	400	500	800	800
T-slot number / pitch	mm	4 / 100	4 / 100	5 / 86	5 / 100
T-slot width	mm	18	18	16	18
HEADSTOCK					
Spindle speed	rpm	8,000	8,000	60-8,000	60-8,000
Spindle motor cont. / 30min.	HP	7.5 / 10	7.5 / 10	15 / 20	15 / 20
Spindle diameter	mm	65	65	70	70
Spindle taper		BT-40 / CAT-40 (Opt.)	BT-40 / CAT-40 (Opt.)	BT-40	BT-40
Coolant pump	HP	1/4	1/4	1/4	1/4
ATC SYSTEM					
Max. tool diameter	mm	Ø80	Ø80	Ø80	Ø80
Max. tool length	mm	250	250	300	300
Max. tool weight	kgs	6	6	7	7
Tool capacity	Tools	Std: 16 (Armless) Opt: 20 (Arm)	Std: 16 (Armless) Opt: 20 (Arm)	Std: 20 (Armless) Opt: 24 (Arm)	Std: 20 (Armless) Opt: 24 (Arm)
GENERAL INFORMATION					
Machine weight (APPROX.)	kgs	4,000	4,500	5,000	5,500
Machine height	mm	2,450	2,450	2,600	2,600
Floor space (W x D)	mm	1,930 x 2,100	1,930 x 2,200	3,200 x 2,750	3,200 x 3,000
Packing size (L x W x H)	mm	2,360 x 2,250 x 2,450	2,360 x 2,250 x 2,450	3,200 x 2,250 x 2,550	3,200 x 2,250 x 2,550
Air power required	kgs / cm ²	6	6	6.3	6.3

BOX WAY



MODEL	UNIT	RIC-MC1170B	RIC-MC1370B	RIC-MC1368B	RIC-MC1568B
TRAVEL					
X axis	mm	1,100	1,300	1,300	1,500
Y axis	mm	700	700	680	680
Z axis	mm	670	670	670	670
Spindle nose to table	mm	130-800	130-800	100-770	100-770
Spindle center to column surface	mm	760	760	760	760
AXIS FEED					
Rapid feedrate X, Y axis	M/min	20	20	15	15
Rapid feedrate Z axis	M/min	20	20	15	15
Cutting feed	M/min	5	5	5	5
TABLE					
Table size	mm	1,270 x 660	1,500 x 660	1,500 x 660	1,700 x 600
Max. load	kgs	1,500	1,500	1,000	1,000
T-slot number / pitch	mm	5 / 135	5 / 135	5 / 100	5 / 100
T-slot width	mm	18	18	18	18
HEADSTOCK					
Spindle speed	rpm	60-8,000	60-8,000	60-8,000	60-8,000
Spindle motor cont. / 30min.	HP	15 / 20	15 / 20	15 / 20	15 / 20
Spindle diameter	mm	70	70	70	70
Spindle taper		BT-40	BT-40	BT-40	BT-40
Coolant pump	HP	1/4	1/4	1/4	1/4
ATC SYSTEM					
Max. tool diameter	mm	Ø80	Ø80	Ø80	Ø80
Max. tool length	mm	300	300	300	300
Max. tool weight	kgs	7	7	7	7
Tool capacity	Tools	Std: 20 (Armless) Opt: 24 (Arm)	Std: 20 (Armless) Opt: 24 (Arm)	Std: 20 (Armless) Opt: 24 (Arm)	Std: 20 (Armless) Opt: 24 (Arm)
GENERAL INFORMATION					
Machine weight (APPROX.)	kgs	7,000	7,500	6,200	6,300
Machine height	mm	2,500	2,500	2,530	2,530
Floor space (W x D)	mm	3,060 x 2,790	3,260 x 2,790	3,520 x 2,600	4,100 x 2,600
Packing size (L x W x H)	mm	2,250 x 2,790 x 2,550 & 1,000 x 2,000 x 2,000	2,250 x 2,790 x 2,550 & 1,000 x 2,000 x 2,000	3,520 x 2,280 x 2,550	4,100 x 2,280 x 2,550
Air power required	kgs/cm ²	6.3	6.3	6.3	6.3

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- COOLANT THROUGH SPINDLE
- ARM TYPE ATC
- SPINDLE SPEED 10,000 RPM
- ROTARY TABLE
- TRANSFORMER
- CHIP CONVEYOR



MODEL	UNIT	RIC-MC1400B	RIC-MC1600B	RIC-MC2000B
TRAVEL				
X axis	mm	1,400	1,600	2,000
Y axis	mm	760	810	900
Z axis	mm	700	700	850
Spindle nose to table	mm	120-820	120-820	150-1,000
Spindle center to column surface	mm	760	875	925
AXIS FEED				
Rapid feedrate X, Y axis	M/min	20	20	16
Rapid feedrate Z axis	M/min	15	15	12
Cutting feed	M/min	1-5	1-5	8
TABLE				
Table size	mm	1,500 x 635	1,700 x 800	2,200 x 850
Max. load	kgs	1,600	2,000	3,000
T-slot number / pitch	mm	6 / 100	8 / 100	5 / 150
T-slot width	mm	18	18	18
HEADSTOCK				
Spindle speed	rpm	8,000	8,000	6,000
Spindle motor cont. / 30min.	HP	15 / 20	15 / 20	20 / 25
Spindle diameter	mm	70	70	100
Spindle taper		BT-40 / BT-50 (Opt.)	BT-40 / BT-50 (Opt.)	BT-50
Coolant pump	HP	1/2	1/2	3/4
ATC SYSTEM				
Max. tool diameter	mm	Ø89	Ø89	Ø115
Max. tool length	mm	250	250	300
Max. tool weight	kgs	6	6	15
Tool capacity	Tools	Std: 24 (Armless) Opt: 24 / 30 (Arm) ; 32 / 40 (Chain type)	Std: 24 (Armless) Opt: 24 / 30 (Arm) ; 32 / 40 (Chain type)	Std: 24 (Armless) Opt: 32 (Chain type)
GENERAL INFORMATION				
Machine weight (APPROX.)	kgs	11,000	12,500	16,000
Machine height	mm	3,470	3,470	3,200
Floor space (W x D)	mm	4,950 x 4,030	5,650 x 4,030	4,750 x 2,900
Packing size (L x W x H)	mm	3,900 x 2,300 x 2,520 & 4,030 x 2,270 x 1,850	4,600 x 2,300 x 2,520 & 4,030 x 2,270 x 1,850	5,470 x 3,260 x 3,530
Air power required	kgs / cm ²	6	6	6

BOX WAY



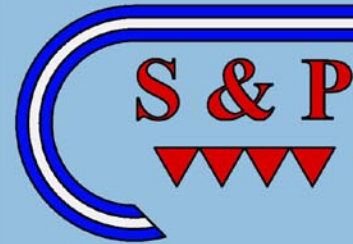
RIC-MC1160B



MODEL	UNIT	RIC-MC1160B	RIC-MC4000L	RIC-MC5000L	RIC-MC6000L	RIC-MC7000L
TRAVEL						
X axis	mm	1,100	4,000	5,000	6,000	7,000
Y axis	mm	600	450	450	450	450
Z axis	mm	610	250	250	250	250
Spindle nose to table	mm	150-760	180-430	180-430	180-430	180-430
Spindle center to column surface	mm	650	420	420	420	420
AXIS FEED						
Rapid feedrate X, Y axis	M/min	15	15	10	10	10
Rapid feedrate Z axis	M/min	12	12	12	12	12
Cutting feed	M/min	5	1-6	1-6	1-6	1-6
TABLE						
Table size	mm	1,200 x 600	4,100 x 450	5,100 x 450	6,100 x 450	7,100 x 450
Max. load	kgs	800	1,600	1,600	1,600	1,600
T-slot number / pitch	mm	5 / 120	3 / 150	3 / 150	3 / 150	3 / 150
T-slot width	mm	18	18	18	18	18
HEADSTOCK						
Spindle speed	rpm	8,000	6,000	6,000	6,000	6,000
Spindle motor cont. / 30min.	HP	10 / 15	15 / 20	15 / 20	15 / 20	15 / 20
Spindle diameter	mm	70	150	150	150	150
Spindle taper		BT-40	BT-40	BT-40	BT-40	BT-40
Coolant pump	HP	3/4	1/3	1/3	1/3	1/3
ATC SYSTEM						
Max. tool diameter	mm	Ø89	Ø100	Ø100	Ø100	Ø100
Max. tool length	mm	250	300	300	300	300
Max. tool weight	kgs	6	6	6	6	6
Tool capacity	Tools	Std: 20 (Armless) Opt: 24 (Arm)	16 (Armless)	16 (Armless)	16 (Armless)	16 (Armless)
GENERAL INFORMATION						
Machine weight (APPROX.)	kgs	7,000	16,500	18,800	21,100	23,400
Machine height	mm	2,460	2,500	2,500	2,500	2,500
Floor space (W x D)	mm	3,000 x 2,190	7,500 x 2,700	8,600 x 2,700	9,700 x 2,700	10,800 x 2,700
Packing size (L x W x H)	mm	3,100 x 2,280 x 2,500	7,000 x 2,280 x 2,600	8,000 x 2,800 x 2,600	9,000 x 2,800 x 2,600	10,000 x 2,800 x 2,600
Air power required	kgs/cm ²	6	6	6	6	6

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