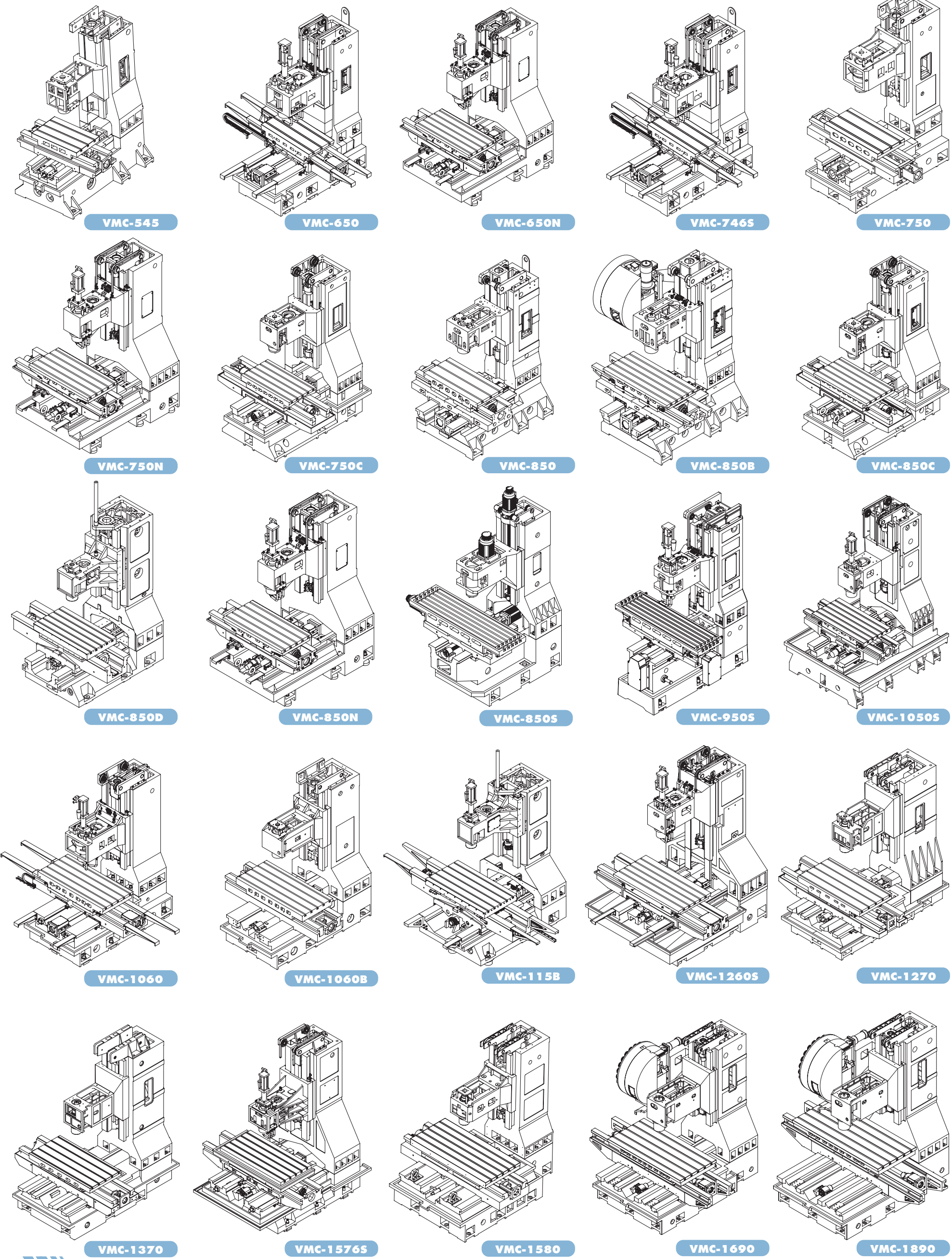


3 AXIS BOX-SHAPE FRICTION SLIDWAYS TYPE



VMC SERIES 3 AXIS BOX FRICTION SLIDWAYS TYPE VERTICAL MACHINE CENTER FRAMES

SPECIFICATION	VMC-545	VMC-650	VMC-650N	VMC-746S	VMC-750	VMC-750N	VMC-750C	VMC-850	VMC-850B	VMC-850C	VMC-850D	VMC-850N
Table Size(WxL)	380x620mm	420x800mm	420x800mm	420x800mm	450x900mm	450x900mm	500x900mm	460x950mm	500x1050mm	530x1000mm	550x1000	500x1000
T-Solt(No-size/distance)	3-16/110mm	3-18/135mm	5-18/80mm	3-18/135mm	3-18/150mm	5-18/85mm	5-18/100mm	3-18/150mm	5-18/90mm	5-18/100mm	5-18/100mm	5-18/100mm
Table Load capacity	250kg	600kg	600kg	600kg	600kg	600kg	600kg	600kg	600kg	600kg	600kg	600kg
Travel	X axis	500mm	650mm	600mm	760mm	750mm	700mm	750mm	800mm	800mm	800mm	800mm
	Y axis	400mm	400mm	500mm	460mm	450mm	500mm	500mm	500mm	500mm	500mm	500mm
	Z axis	455mm	480mm	500mm	560mm	500mm	500mm	700mm	550mm	550mm	700mm	600mm
Spindle Nose to Column Slideway	460mm	480mm	540mm	480mm	520mm	540mm	575mm	550mm	550mm	575mm	600mm	580mm
Spindle Nose to Table Surface	45-500mm	80-560mm	105-605mm	80-640mm	180-680mm	105-605mm	110-810mm	105-655mm	105-655mm	110-810mm	160-660mm	105-705mm
Spindle Taper/Outside dia.	BT30/120mm *BT40/130mm	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm
Spindle Drive Style	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive
Spindle Speed	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm
Spindle Motors Recommended	3.5-5.5kw	5.5kw	5.5kw	5.5kw	5.5-7.5kw	5.5-7.5kw	5.5-7.5kw	5.5-7.5kw	5.5-7.5kw	5.5-7.5kw	7.5-15kw	7.5-7.5kw
Ball Screw Spec.	X axis	3205	3206	4010	4010	4010	4010	4010	4010	4010	4516	4010
	Y axis	3205	3206	4010	4010	4010	4010	4010	4010	4010	4516	4010
	Z axis	3205	3206	4010	4010	4010	4010	4010	4010	4010	4512	4010
X/Y/Z axis Drive System	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive
X/Y/Z axis Drive Motors Recommended	6/6/6Nm	8/10/10Nm	8/10/10Nm	8/10/10Nm	10/12/12Nm	10/12/12Nm	10/12/12Nm	10/12/12Nm	10/12/12Nm	10/12/12Nm	16/16/16Nm	10/12/12Nm
Net Weight	2500kg	3000kg	3000kg	3200kg	3500kg	4000kg	4500kg	3300kg	3300kg	4500kg	5000kg	4500kg
Column Type	△ Shape		△ Shape			△ Shape	△ Shape			△ Shape	△ Shape	△ Shape
Y axis Drive Motor Location	Back	Front	Back	Front	Front	Back	Back	Front	Front	Back	Back	Back

SPECIFICATION	MVC-850S	MVC-950S	VMC-1050S	VMC-1060	VMC-1060B	VMC-115B	VMC-1260S
Table Size(WxL)	330x1372mm	405x1370mm	530x1000mm	600x1300mm	600x1300mm	600x1200mm	600x1360mm
T-Solt(No-size/distance)	3-15.88/68mm	5-18/60mm	5-18/100mm	5-18/120mm	5-18/120mm	5-18/125mm	5-18/100mm
Table Load capacity	600kg	600kg	600kg	800kg	800kg	1000kg	1000kg
Travel	X axis	800mm	900	1000mm	1000mm	1100mm	1200mm
	Y axis	500mm	500	500mm	600mm	550mm	600mm
	Z axis	500mm	550	700mm	600mm	550mm	600mm
Spindle Nose to Column Slideway	486mm	515mm	575mm	600mm	655mm	700mm	648mm
Spindle Nose to Table Surface	45-545mm	80-630mm	110-810mm	180-780mm	180-780mm	160-710mm	175-775mm
Spindle Taper/Outside dia.	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm	BT40/150mm *BT50/155mm
Spindle Drive Style	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive
Spindle Speed	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm
Spindle Motors Recommended	3.75-5.5kw	5.5kw	7.5-11kw	7.5-11kw	7.5-11kw	7.5-15kw	7.5-15kw
Ball Screw Spec.	X axis	3205	3205	4010	4010	4516	5010
	Y axis	3205	3205	4010	4010	4516	4010
	Z axis	3205	3205	4010	4010	4512	4010
X/Y/Z axis Drive System	Direct drive	Belt drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive
X/Y/Z axis Drive Motors Recommended	6/6/6Nm	6/6/6Nm	14/16/16Nm	14/16/16Nm	14/16/16Nm	16/16/16Nm	14/16/16Nm
Net Weight	2500kg	3000kg	4800kg	5500kg	5800kg	6000kg	6000kg
Column Type	△ Shape		△ Shape		△ Shape	△ Shape	△ Shape
Y axis Drive Motor Location	Back	Front	Back	Front	Back	Back	Back

SPECIFICATION	VMC-1270	VMC-1370	VMC-1576S	VMC-1580	VMC-1690	VMC-1890
Table Size(WxL)	700x1360mm	710x1400mm	800x1700mm	800x1700mm	900x1800mm	900x2000mm
T-Solt(No-size/distance)	5-18/152.5mm	5-18/152.5mm	5-22/135mm	5-22/135mm	5-22/165mm	5-22/165mm
Table Load capacity	1000kg	1000kg	1500kg	1500kg	1600kg	1600kg
Travel	X axis	1200mm	1300mm	1500mm	1600mm	1800mm
	Y axis	700mm	700mm	800mm	800mm	900mm
	Z axis	600mm*800mm	650mm	700mm	700mm	680mm *800mm
Spindle Nose to Column Slideway	785mm	785mm	810mm	810mm	950mm	950mm
Spindle Nose to Table Surface	150-750mm *200-1000mm	150-800mm	170-870mm	170-870mm	160-840mm	160-840mm *160-960mm
Spindle Taper/Outside dia.	BT50/155mm	BT50/155mm	BT50/155mm	BT50/155mm	BT50/190mm	BT50/190mm
Spindle Drive Style	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive	Belt Drive
Spindle Speed	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm	8000rpm
Spindle Motors Recommended	11-15kw	11-15kw	7.5-15kw	7.5-15kw	15-18.5kw	15-18.5kw
Ball Screw Spec.	X axis	5010	5010	6310	5508	5512
	Y axis	5010	5010	6310	5508	5512
	Z axis	5010	5010	5010	5508	5512
X/Y/Z axis Drive System	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive	Direct drive
X/Y/Z axis Drive Motors Recommended	16/20/20Nm	16/20/20Nm	24/26/26Nm	24/26/26Nm	24/30/30Nm	26/30/30Nm
Net Weight	7500kg	8000kg	8200kg	10000kg	10500kg	11000kg
Column Type	△ Shape	△ Shape			△ Shape	△ Shape
Y axis Drive Motor Location	Back	Back	Front	Front	Back	Back

Main Feature & Standard Equipment:

- 1) High-class casting processed by Resin sand mold and wood pattern
- 2) Top class imported Ball screws and nut set (PMI, HIWIN etc.) and Bearing (FAG, NSK, NTN etc.)
- 3) Imported Spindle & Tool clamping system (Royal, Posa, Taida, Sprintru etc.)
- 4) Imported drive connectors (R+W)
- 5) Stainless steel Telescopic protection on X/Y/Z axis (Keyarrow etc.)
- 6) Central Automatic lubrication system
- 7) Coolant System
- 8) Harden & ground on all slideways and Turcite-B coated with precise scraping.
- 9) Block type counter balance system
- 10) High quality painting (Color can be special made according to order)
- 11) Model "N" with Auger Type chip conveyor groove ready.

Optional Choose:

- 1) Spindle speed optional: 10000rpm, 12000rpm, 15000rpm
- 2) Direct drive structure for Main motor with Spindle
- 3) Central Oil coolant for the Spindle
- 4) Coolant through Spindle (CTS)
- 5) ATC: Drum type, Arm Type or Chain Type
- 6) For model bigger than VMC-1060, Gear type headstock (4000rpm, 2 shifts H/L:1:0.87/1:0.21)
- 7) For model bigger than VMC-1270, short nose spindle (BT-50/190mm/8000rpm)
- 8) Chip Conveyor
- 9) Outside Guarding: Standard or special made according to client's design
- 10) CNC Pre-installed for clients: Full Ready package delivery according to client's design.

