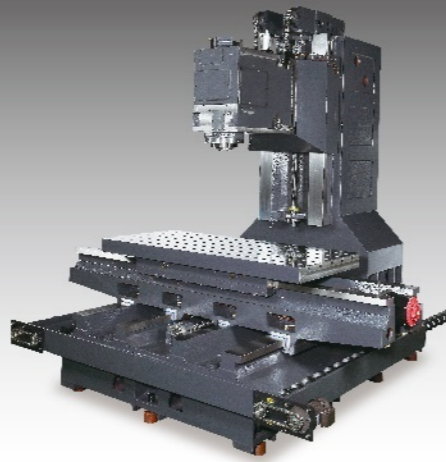


# VMC-168 VMC-188



## X/Y/Z Axes Box Way Series

Model	Unit	VMC-168G	VMC-168B	VMC-168D	VMC-188G	VMC-188B	VMC-188D
<b>TRAVEL</b>							
X/Y/Z Axes Travel	mm	1600/870/700			1800/870/700		
Spindle Nose to Table	mm	150-850			150-850		
Spindle Center to Column	mm	930			930		
<b>TABLE</b>							
Table Size	mm	1800X850			1900X850		
T-Slot Size	mm	18X5X150			18X5X150		
Max. Table Load	kgs	2500			3000		
<b>SPINDLE</b>							
Spindle Transmission	Gear Type	Belt Type	Direct Type	Gear Type	Belt Type	Direct Type	
Spindle Taper	BBT-50	BBT-50	BBT-50	BBT-50	BBT-50	BBT-50	
Spindle Speed	rpm	6000	6000/8000	10000/12000	6000	6000/8000	10000/12000
Spindle Motor(cont./30mins) kw		15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5



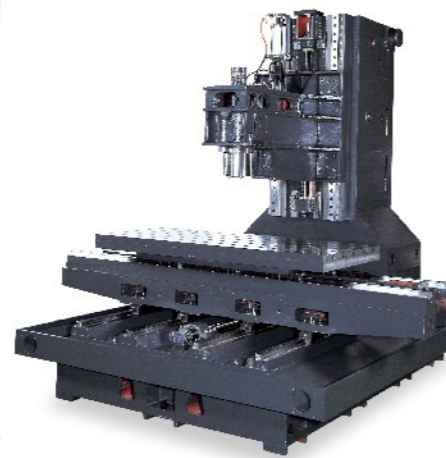
## X/Y Axes Linear Way Z Axis Box Way Series

Model	Unit	VMC-168GL	VMC-168BL	VMC-168DL	VMC-188GL	VMC-188BL	VMC-188DL
<b>TRAVEL</b>							
X/Y/Z Axes Travel	mm	1600/870/700			1800/870/700		
Spindle Nose to Table	mm	150-850			150-850		
Spindle Center to Column	mm	930			930		
<b>TABLE</b>							
Table Size	mm	1800X850			1900X850		
T-Slot Size	mm	18X5X150			18X5X150		
Max. Table Load	kgs	2500			3000		
<b>SPINDLE</b>							
Spindle Transmission	Gear Type	Belt Type	Direct Type	Gear Type	Belt Type	Direct Type	
Spindle Taper	BBT-50	BBT-50	BBT-50	BBT-50	BBT-50	BBT-50	
Spindle Speed	rpm	6000	6000/8000	10000/12000	6000	6000/8000	10000/12000
Spindle Motor(cont./30mins) kw		15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5

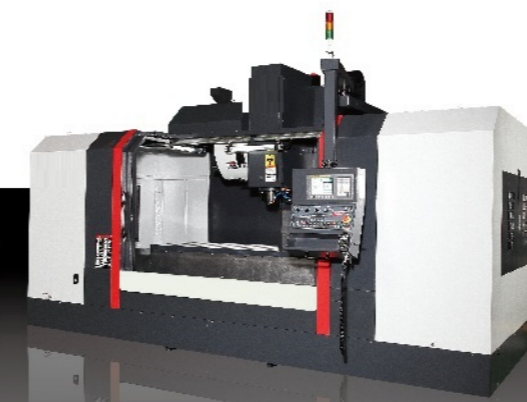


## X/Y/Z Axes Roller Linear Guideway Series

Model	Unit	VMC-168BH	VMC-168DH	VMC-188BH	VMC-188DH
<b>TRAVEL</b>					
X/Y/Z Axes Travel	mm	1600/870/700		1800/870/700	
Spindle Nose to Table	mm	150-850		150-850	
Spindle Nose to Column	kgs	930		930	
<b>TABLE</b>					
Table Size	mm	1800X850		1900X850	
T-Slot Size	mm	150-850		150-850	
Max. Table Load	mm	2500		3000	
<b>SPINDLE</b>					
Spindle Transmission	Belt Type	Direct Type	Belt Type	Direct Type	
Spindle Taper	BBT-50	BBT-50	BBT-50	BBT-50	
Spindle Speed	rpm	6000/8000	10000/12000	6000/8000	10000/12000
Spindle Motor(cont./30 mins) kw		15/18.5	15/18.5	15/18.5	15/18.5



# VMC-218

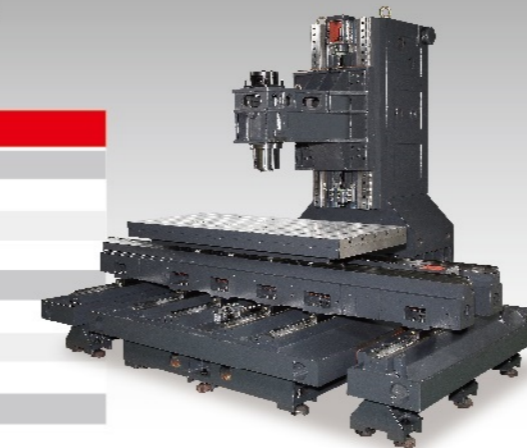


## X/Y Axes Linear Way Z Axis Box Way

Model	Unit	VMC-218GL	VMC-218BL	VMC-218DL
<b>TRAVEL</b>				
X/Y/Z Axes Travel	mm	2100/870/700		2100/870/700
Spindle Nose to Table	mm	125-825		125-825
Spindle Nose to Column	mm	930		930
<b>TABLE</b>				
Table Size	mm	2150X850		2150X850
T-Slot Size	mm	18X5X150		18X5X150
Max. Table Load	kgs	2500		2500
<b>SPINDLE</b>				
Spindle Transmission	Gear Type	Belt Type	Direct Type	
Spindle Taper	BBT-50	BBT-50	BBT-50	
Spindle Speed	rpm	6000	6000/8000	10000/12000
Spindle Motor(cont./30 mins) kw		15/18.5	15/18.5	15/18.5

## X/Y/Z Axes Roller Linear Guideway Series

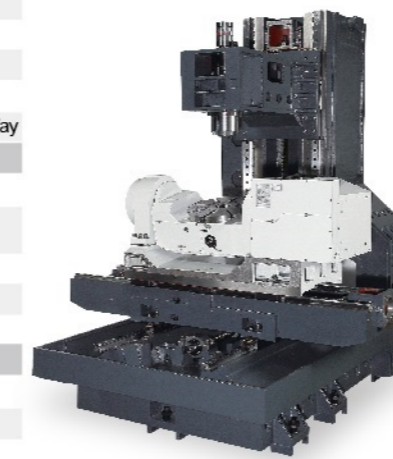
Model	Unit	VMC-218BH	VMC-218DH
<b>TRAVEL</b>			
X/Y/Z Axes Travel	mm	2100/870/700	
Spindle Nose to Table	mm	125-825	
Spindle Nose to Column	mm	930	
<b>TABLE</b>			
Table Size	mm	2150X850	
T-Slot Size	mm	18X5X150	
Max. Table Load	kgs	2500	
<b>SPINDLE</b>			
Spindle Transmission	Belt Type	Belt Type	Direct Type
Spindle Taper	BBT-40	BBT-50	BBT-40 BBT-50
Spindle Speed	rpm	10000	6000/8000 10000/12000 15000 10000/12000
Spindle Motor(cont./30 mins) kw		11/15(15/18.5) 15/18.5	11/15(15/18.5) 7.5/11(15/18.5) 15/18.5



# VU 400 / 500 / 500EX

## Five Axes Machining Center

Model	Unit	V U 400	V U 500	VU500EX	VU500GL
<b>TRAVEL</b>					
X/Y/Z Axes Travel	mm	500/580/510	650/580/580	750/580/580	750/580/580
A Tilting Axis	degree	+30~-120	+30~-120	+30~-120	+30~-120
C Rotary Axis	degree	360(con.)	360(con.)	360(con.)	360(con.)
Spindle Nose to Table	mm	-20-530	-20-580	-20-580	-20-580
Spindle Nose to Column	mm	648	648	648	648
Three Axes Guideway(X/Y/Z)		Roller Linear/ Roller Linear/ Roller Linear	Roller Linear/ Roller Linear/ Box Way		
<b>TABLE</b>					
Table Size	mm	Φ320	Φ410	Φ410	Φ410
Max Diameter of the Workpiece Rotation	mm	Φ400	Φ500	Φ730	Φ730
Max. Table Load	kgs	150	200	200	200
Table Rotation Speed(C/A)	rpm	25/25	16.6/11.1	16.6/11.1	16.6/11.1
Linear Scale of Tilting Axis/Rotary Axis	Sec	±10/±10	±10/±10	±10/±10	±10/±10
<b>SPINDLE</b>					
Spindle Transmission	Belt Type	Direct Type	Direct Type	Gear Type	
Spindle Taper	BBT-40	BBT-40	HSK A63	BBT-50	
Spindle Speed	rpm	10000	12000/15000	15000/18000	6000
Spindle Motor(cont./30 mins) kw		11/15(15/18.5)	11/15(7.5/11)	15/18.5	15/18.5



# Vertical Machining Center General Catalog



## L&W MACHINE TOOLS, INC.

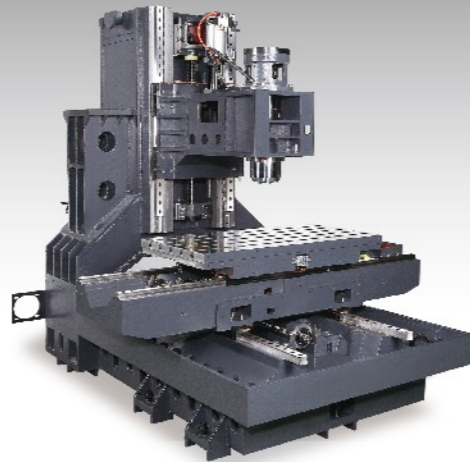
Factory: NO.53, Hezuo St., Fengyuan Dist., Taichung City 42061, Taiwan  
Office: 9F-8, No. 108, Sec.1, Zhong Quig Rd., North Dist., Taichung City 40458, Taiwan  
Tel: [886]4-2201-4701 Fax: [886]-4-2203-6013  
http://www.lw-machinetools.com E-mail: lwmachin@ms31.hinet.net

# V10 / V12 / VHS



## X/Y/Z Axes Roller Linear Guideway High Speed Series

Model	Unit	V8	V10	V12
TRAVEL				
X/Y/Z Axes Travel	mm	850/600/600	1050/600/600	1200/600/600
Spindle Nose to Table	mm	100-700	100-700	100-700
Spindle Center to Column	mm	648	648	648
X/Y/Z Axes Guideway		Roller linear	Roller linear	Roller linear
X/Y/Z Rail Width	mm	35/45/45	35/45/45	45/45/45
X/Y/Z Slider Quantity	pcs	4/4/4	4/4/4	6/4/4
TABLE				
Table Size	mm	1000×600	1150×600	1300×600
T-Slot Size	mm	18×5×100	18×5×100	18×5×100
Max. Table Load	kgs	700	800	1000
SPINDLE				
Spindle Taper			BBT40	
Spindle Motor(cont./30 mins) kw			11/15	
Spindle Transmission		Direct type		Belt type
Spindle Speed	rpm	10000/12000/15000		10000



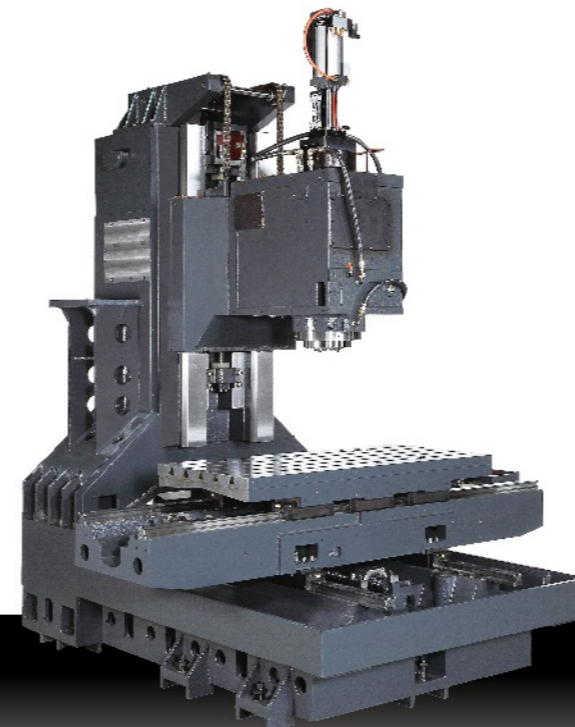
## X/Y/Z Axes Roller Linear Guideway Ultra-High Speed Series

Model	Unit	VHS-10	VHS-12
TRAVEL			
X/Y/Z Axes Travel	mm	1150×600	1300×600
Spindle Nose to Table	mm	18×5×100	18×5×100
Spindle Center to Column	mm	648	648
X/Y/Z Axes Guideway		800	1000
X/Y/Z Rail Width	mm	1050/600/600	1200/600/600
X/Y/Z Slider Quantit	pcs	100-700	100-700
TABLE			
Table Size	mm	Roller linear	Roller linear
T-Slot Size	mm	35/45/45	45/45/45
Max. Table Load	kgs	4/4/6	6/4/6
SPINDLE			
Spindle Taper		HSK A63	HSK A63
Spindle Motor(cont./30 mins) kw		18.5/22	18.5/22
Spindle Transmission		Built-in	Built-in
Spindle Speed	rpm	20000	20000

**High Speed Spindle**  
**Heavy Loading**  
**High Rigidity**

# V10L / V12L

**High Speed Spindle Heavy Loading**  
**High Rigidity**



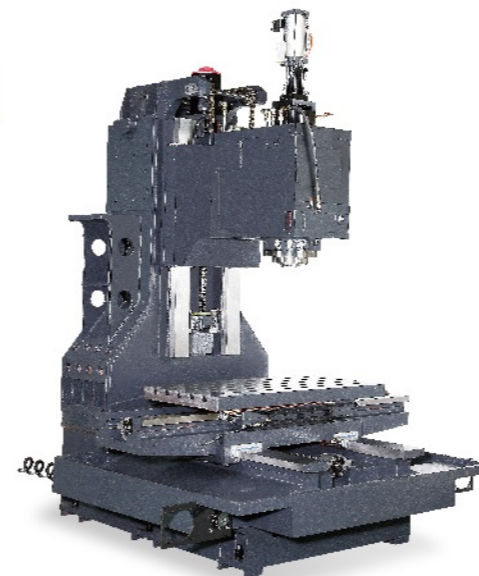
## X, Y Axes Linear Way Z Axis Box Way

Model	Unit	V12GL	V10BL	V12BL	V10DL	V12DL
TRAVEL						
X/Y/Z Axes Travel	mm	1200/600/600	1050/600/600	1200/600/600	1050/600/600	1200/600/600
Spindle Nose to Table	mm	150	150	150	150	150
Spindle Center to Column	mm	670	670	670	670	670
X/Y/Z Axes Guideway		Linear/linear/box	Linear/linear/box	Linear/linear/box	Linear/linear/box	Linear/linear/box
X/Y Rail Width	mm	45/45	45/45	45/45	45/45	45/45
X/Y Slider Quantity	pcs	6/4	4/4	6/4	4/4	6/4
Ball-Screw Diameter	mm	40	40	40	40	40
TABLE						
Table Size	mm	1300x600	1150x600	1300x600	1150x600	1300x600
T-Slot Size	mm	18x5x100	18x5x100	18x5x100	18x5x100	18x5x100
Max. Table Load	kgs	1000	800	800	800	800
SPINDLE						
Spindle Taper		BBT50	BBT50	BBT50	BBT50	BBT50
Spindle Motor(cont./30 mins) kw		15/18.5	15/18.5	15/18.5	15/18.5	15/18.5
Spindle Transmission		Gear type	Belt type	Belt type	Direct type	Direct type
Spindle Speed	rpm	6000	6000/8000	6000/8000	10000/12000	10000/12000

# VMC-116

## X/Y/Z Axes Box Way Series

Model	Unit	VMC-116B		VMC-116G	
TRAVEL					
X/Y/Z Axes Travel	mm	1100/610/610		1100/610/610	
Spindle Nose to Table	mm	125		150	
Spindle Center to Column	mm	670		670	
X/Y/Z Axes Guideway		Box way		Box way	
TABLE					
Table Size	mm	1200×610		1200×610	
T-Slot Size	mm	5×18×100		5×18×100	
Max. Table Load	kgs	1100		1100	
SPINDLE					
Spindle Taper		BBT40	BBT40	BBT50	BBT50
Spindle Motor(cont./30 mins) kw		11/15	11/15	15/18.5	15/18.5
Spindle Transmission		Belt type	Direct type	Belt type	Direct type
Spindle Speed	rpm	10000	10000/12000	6000/8000	10000/12000



# VMC-147

## X/Y/Z Axes Box Way Series

Model	Unit	VMC-147G	VMC-147B	VMC-147D
TRAVEL				
X/Y/Z Axes Travel	mm	1400/700/650	1400/700/650	1400/700/650
Spindle Nose to Table	mm	150-800	150-800	150-800
Spindle Center to Column	mm	790	790	790
TABLE				
Table Size	mm	1500X700	1500X700	1500X700
T-Slot Size	mm	18X5X125	18X5X125	18X5X125
Max. Table Load	kgs	1800	1800	1800
SPINDLE				
Spindle Taper		BBT50	BBT50	BBT50
Spindle Motor(cont./30 mins) kw		15/18.5	15/18.5	15/18.5
Spindle Transmission		Gear type	Belt type	Direct type
Spindle Speed	rpm	6000	6000/8000	10000/12000



## X/Y Axes Linear Way Z Axis Box Way Series

Model	Unit	VMC-147BL	VMC-147DL	VMC-147GL
TRAVEL				
X/Y/Z Axes Travel	mm	1400/700/650	1400/700/650	1400/700/650
Spindle Nose to Table	mm	150~800	150~800	150~800
Spindle Center to Column	mm	Roller linear	Roller linear	Roller linear
X/Y Axes Guideway		790	790	790
Z Axes Guideway		Box way	Box way	Box way
X/Y Rail Width	mm	45/45	45/45	45/45
X/Y Slider Quantity	pcs	6/8	6/8	6/8
TABLE				
Table Size	mm	1500x700	1500x700	1500x700
T-Slot Size	mm	18x5x125	18x5x125	18x5x125
Max. Table Load	kgs	1500	1500	1500
SPINDLE				
Spindle Taper		BBT50	BBT50	BBT50
Spindle Motor(cont./30 mins) kw		15/18.5	15/18.5	15/18.5
Spindle Transmission		Belt type	Direct type	Gear type
Spindle Speed	rpm	6000/8000	10000/12000	6000



## X/Y/Z Axes Roller Linear Guideway Series

Model	Unit	VMC-147BH		VMC-147DH	
TRAVEL					
X/Y/Z Axes Travel	mm	1400/700/650		1400/700/650	
Spindle Nose to Table	mm	100~750	150~800	100~750	150~800
Spindle Center to Column	mm	790		790	
X/Y/Z Axes Guideway		Roller linear		Roller linear	
X/Y/Z Rail Width	mm	45/45/55		45/45/55	
X/Y/Z Slider Quantity	pcs	6/8/4(6)		6/8/4(6)	
TABLE					
Table Size	mm	1500x700		1500x700	
T-Slot Size	mm	18x5x125		18x5x125	
Max. Table Load	kgs	1500		1500	
SPINDLE					
Spindle Taper		BBT40	BBT50	BBT40	BBT50
Spindle Motor(cont./30 mins) kw		11/15	15/18.5	11/15(7.5/11)	15/18.5
Spindle Transmission		Belt type	Belt type	Direct type	Direct type
Spindle Speed	rpm	10000	6000/8000	12000/15000	10000/12000

