



shandong lu young machinery co.,ltd
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Vmc 650 High Speed 5 Axis Cnc Milling Machine 16 ATC Taiwan Spindle

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: VMC650
- Minimum Order Quantity: 1
- Price: USD32000-46000
- Packaging Details: Fumigation-free plywood
- Delivery Time: 45 working days
- Payment Terms: T/T, L/C
- Supply Ability: 100sets



Product Specification

- Highlight: vmc 650 cnc milling machine,
vmc 650 cnc machine,
high speed 5 axis cnc milling machine



Product Description

High performance vmc650 5 axis 16 ATC Taiwan spindle



Data Specifications

CNC Milling Machine						
Item	XK7124	VMC420L (XH7126)	VMC550L	VMC650	VMC850L	VMC1060
Size of worktable(length×width)mm	800×240	800×260	800×320	800×450	1000×500	1300×600
T slot (mm)	3-16-60	5-16-50	3-14-100	3-18-120	5-18-90	5-18-120
Max loading weight on worktable(Kg)	100	200	300	450	600	1000
X-Axis travel(mm)	450	450	550	650	800	1000
Y-Axis travel(mm)	300	320	330	450	500	600
Z-Axis travel(mm)	380	450	450	500	500	650
Distance between spindle nose and table(mm)	50-450	90-470	100 -550	120-620	105-655	130-780
Distance between spindle center and column(mm)	297	360	370	496	550	650
Spindle taper	BT40	BT40				
Max. spindle speed(rpm)	6000					
Spindle motor power(Kw)	3.7	3.7	5.5	5.5/7.5	7.5/11KW	11/15
Rapid feeding speed: X,Y,Z axis	10/10/8m/min	15m/min	15m/min	24/24/20m/min	24/24/24m/min	36/36/24m/min
Min. set unit	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm
repeatability	0.05mm	0.05mm	0.05mm	0.05mm	0.05mm	0.05mm
(include machine stand)	1500KG	2400KG	1960 KG	3800KG	5800KG	7800KG
Overall size(mm)	1220×1380×1650	1900×1400×2100	1600×1860×2100	2550×2160×2300mm	2840×2301×2105	3300×2500×2700

Function

A five-axis machining center can process a wide range of products, especially complex components. Equipped with simultaneous movement along the three linear axes (X, Y, Z) and two rotational axes (typically A and C axes or B and C axes), these machines offer great flexibility and precision. They are particularly suitable for parts with intricate geometries, such as molds, aerospace components, and high-precision parts with stringent surface finish requirements. For instance, they can handle micrometer-level accuracy in mold part machining, efficiently process complex-shaped parts with 10 to 20 micron machining accuracy, and perform brittle-hard material grinding with 2 to 5 micron accuracy. Additionally, in machining deep and steep cavities, the additional rotation and tilt of the workpiece or spindle head in a five-axis machine optimizes conditions for end mills, improving surface finish, processing efficiency, and tool durability.



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