



PRODUCT CERTIFICATION
BODY

CEPROM[®] S.A.

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CERTIFICATE OF CONFORMITY

No. 2815-CI-32023

Technical File no. 2815-CI-32023/PONE-2023001-A1

Applicant:

P-ONE MACHINERY CO., LTD.
No. 37, Longshan 3rd St., Daya Dist.,
Taichung City 428006, Taiwan (R.O.C.)

Manufacturer:

P-ONE MACHINERY CO., LTD.
No. 37, Longshan 3rd St., Daya Dist.,
Taichung City 428006, Taiwan (R.O.C.)

Description of product:

Product name: **VERTICAL MACHINING CENTER**

Models: *See Annex*

Reference standards: *EN ISO 12100:2010, EN 60204-1:2018, EN ISO 13849-1:2015,
EN ISO 16090-1:2022*

Based on our assessment we confirm that the Technical File of the product is in accordance with the technical requirements of the above standards and hence fulfils the technical requirements of the

Machinery Directive 2006/42/EC

The CE mark as show joined can be used, under the responsibility of the manufacturer or the applicant, after completion of the CE Declaration of Conformity and in accordance with the above directive.



This certificate is only valid for the product and configuration described (annex), in conjunction with the detailed test data and with all applicable legal requirement for the product. Maintaining certification is based on compliance with the requirements of certification contract.

Annex: Product identification - 10 pages

Issuing Date: 23.02.2023

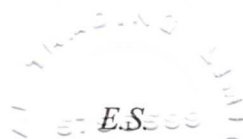
Expiry Date: 22.02.2028



EUROPEAN UNION
Satu Mare, ROMANIA

GENERAL MANAGER
eng. Cristian SOPONOS

CEPROM-CERT Manager
eng. Vasile ZELE



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ANNEX

to the Certificate of Conformity no. 2815-CI-32023

PRODUCT IDENTIFICATION

The Product:

VERTICAL MACHINING CENTER

***models:**

*VMC-850, VMC-1000, VMC-1100, VMC-1300, VMC-860S, VMC-1060S,
VMC-1360S, VMC-1560S, VMC-860L, VMC-1060L, VMC-1260L,
VMCZ8-1000, VMCZ8-1500, VMCZ12-1000, VMCZ12-1500,
VMC-4000H, VMC-6000H, VMC-7000H, VMC-2000S, VMC-4000S,
VMC-5000S, VMC-6000S, VMC-7000S, VMC-10000S, VMC-12000S,
VMCZ21-3000, VMCZ21-5000, VMCZ21-7000, DMC-2110, DMC-2510*

***representative model:**

VMCZ8-1000

***manufactured by:**

P-ONE MACHINERY CO., LTD.

***headquarters address:**

No. 37, Longshan 3rd St., Daya Dist., Taichung City 428006, Taiwan (R.O.C.)

***place of manufacture:**

No. 37, Longshan 3rd St., Daya Dist., Taichung City 428006, Taiwan (R.O.C.)

***domain of use:**

The vertical machining center is suitable for mold engraving machines.

Technical File content:

- *General description of the product;*
- *General drawing and drawings of the control circuits;*
- *Full detailed drawings required to check the conformity;*
- *The documentation on risk assessment;*
- *The list of standards used;*
- *Technical report giving the results of the test;*
- *Instruction manual;*
- *Declaration of conformity;*
- *The internal measures implemented to ensure product conformity with MD.*

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PRODUCT IDENTIFICATION

The Product: **VERTICAL MACHINING CENTER**

*constructive and functional characteristics:

Model	M.U.	VMC-850	VMC-1000	VMC-1100	VMC-1300
Capacity					
X-axis Travel	mm	850	1000	1160	1300
Y-axis Travel	mm	650	600	650	650
Z-axis Travel	mm	610	600	610	610
Spindle nose to table	mm	90~690	90~690	120~730	120~730
Spindle center to column	mm	650	650	680	680
Worktable					
Table Size	mm	1100x600	1100x600	1270x600	1410x600
T-Slot (W*No*D)	mm	18x5x100	18x5x100	18x5x100	18x5x100
Max. Table Load	kg	1000	900	1000	1100
Spindle					
Spindle speed	rpm	8000	8000	8000	8000
Spindle taper		BT-40	BT-40	BT-40	BT-40
Feedrate					
Rapid Traverse (X,Y)	m/min	20	20	18	15
Rapid Traverse (Z)	m/min	15	15	15	12
Feed Rate (X, Y, Z)	mm/min	1-6000	1-6000	1-6000	1-6000
Auto Tool Changer (ATC)					
Magazine Capacity	t	24	24	24	24
Tool changing type	-	Arm	Arm	Arm	Arm
Max. Tool Diameter	mm	Ø75	Ø75	Ø75	Ø75
Max. Tool Weight	kg	7	7	7	7
Motor					
Spindle Motor (cont/30min)	kW	AC 11/15	AC 11/15	AC 7.5/11	AC 11/15
Axial Servo Motor	kW	2.5	2.5	3.0	3.0
Power source					
Power Consumption	kVA	25	25	25	25
Electric demand	-	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
Compressed air source	kg/cm ²	6	6	6	6
Machine					
Dimensions (LxWxH)	mm	3145x2450x2800	3345x2450x2800	3750x3250x2700	3750x3250x2700
Machine N.W.	kg	6100	6350	7000	7800

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PRODUCT IDENTIFICATION

The Product: **VERTICAL MACHINING CENTER**

*constructive and functional characteristics:

Model	M.U.	VMC-860S	VMC-1060S	VMC-1360S	VMC-1560S
Capacity					
X-axis Travel	mm	860	1020	1300	1500
Y-axis Travel	mm	580	600	680	680
Z-axis Travel	mm	580	600	650	650
Spindle nose to table	mm	90~670	90~690	100~750	100~750
Spindle center to column	mm	650	650	750	700
Worktable					
Table Size	mm	950x600	1100x600	1410x650	1700x650
T-Slot (W*No*D)	mm	18x5x100	18x5x100	18x5x100	18x5x100
Max. Table Load	kg	700	800	1200	1200
Spindle					
Spindle speed	rpm	8000	8000	8000	8000
Spindle taper	-	BT-40	BT-40	BT-40	BT-40
Feedrate					
Rapid Traverse (X, Y)	m/min	24	24	20	20
Rapid Traverse (Z)	m/min	18	18	18	18
Feed Rate (X, Y, Z)	mm/min	1-6000	1-6000	1-6000	1-6000
Auto Tool Changer (ATC)					
Magazine Capacity	t	24	24	24	24
Tool changing type	-	Arm	Arm	Arm	Arm
Max. Tool Diameter	mm	Ø75	Ø75	Ø75	Ø75
Max. Tool Weight	kg	7	7	7	7
Motor					
Spindle Motor (cont/30min)	kW	AC 7.5/11	AC 11/15	AC 11/15	AC 11/15
Axial Servo Motor	kW	2.5	2.5	3.0	3.0
Power source					
Power Consumption	kVA	25	25	30	30
Electric demand	-	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
Compressed air source	kg/cm ²	6	6	6	6
Machine					
Dimensions (LxWxH)	mm	3145x2450x3342	3345x2450x3342	3750x2460x2740	4150x3590x2740
Machine N.W.	kg	5800	6250	8500	9200

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The Product: **VERTICAL MACHINING CENTER**

*constructive and functional characteristics:

Model	M.U.	VMC-860L	VMC-1060L	VMC-1260L
Capacity				
X-axis Travel	mm	860	1020	1200
Y-axis Travel	mm	580	600	600
Z-axis Travel	mm	580	600	610
Spindle nose to table	mm	100~680	90~690	90~690
Spindle center to column	mm	650	650	650
Worktable				
Table Size	mm	950x600	1100x600	1300x600
T-Slot (W*No*D)	mm	18x5x100	18x5x100	18x5x100
Max. Table Load	kg	700	800	1000
Spindle				
Spindle speed	rpm	10000	10000	10000
Spindle taper	-	BT-40	BT-40	BT-40
Feedrate				
Rapid Traverse (X, Y)	m/min	24	24	24
Rapid Traverse (Z)	m/min	20	20	20
Feed Rate (X, Y, Z)	mm/min	1-6000	1-6000	1-6000
Auto Tool Changer (ATC)				
Magazine Capacity	t	24	24	24
Tool changing type	-	Arm	Arm	Arm
Max. Tool Diameter	mm	Ø75	Ø75	Ø75
Max. Tool Weight	kg	7	7	7
Motor				
Spindle Motor (cont/30min)	kW	AC 7.5/11	AC 7.5/11	AC 7.5/11
Axial Servo Motor	kW	2.5	2.5	2.5
Power source				
Power Consumption	kVA	25	25	25
Electric demand	-	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
Compressed air source	kg/cm ²	6	6	6
Machine				
Dimensions (LxWxH)	mm	3145x2450x3342	3345x2450x3342	3550x2450x3342
Machine N.W.	kg	5500	6300	6900

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The Product: **VERTICAL MACHINING CENTER**

*constructive and functional characteristics:

Model	M.U.	VMCZ8-1000	VMCZ8-1500	VMCZ12-1000	VMCZ12-1500
Capacity					
X-axis Travel	mm	1000	1500	1000	1500
Y-axis Travel	mm	600	600	600	600
Z-axis Travel	mm	600	600	800-1200	
Spindle nose to table	mm	90~690	90~690	100~900	100~900
Spindle center to column	mm	650	650	750	650
Worktable					
Table Size	mm	1100x600	1100x600	1100x600	1700x600
T-Slot (W*No*D)	mm	18x5x100	18x5x100	18x5x100	18x5x100
Max. Table Load	kg	700	800	800	1000
Spindle					
Spindle speed	rpm	8000	8000	8000	8000
Spindle taper	-	BT-40	BT-40	BT-40	BT-40
Feedrate					
Rapid Traverse (X, Y)	m/min	20	20	20	20
Rapid Traverse (Z)	m/min	15	15	15	15
Feed Rate (X, Y, Z)	mm/min	1-6000	1-6000	1-6000	1-6000
Auto Tool Changer (ATC)					
Magazine Capacity	t	24	24	24	24
Tool changing type	-	Arm	Arm	Arm	Arm
Max. Tool Diameter	mm	Ø75	Ø75	Ø75	Ø75
Max. Tool Weight	kg	7	7	7	7
Motor					
Spindle Motor (cont/30min)	kW	AC 11/15	AC 11/15	AC 11/15	AC 11/15
Axial Servo Motor	kW	3.0	3.0	3.0	4.0
Power source					
Power Consumption	kVA	25	25	25	30
Electric demand	-	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
Compressed air source	kg/cm ²	6	6	6	6
Machine					
Dimensions (LxWxH)	mm	2800x2880x2585	4350x2880x2585	3345x2450x2750	4150x2590x2750
Machine N.W.	kg	7200	8350	7800	10600

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PRODUCT IDENTIFICATION

The Product: **VERTICAL MACHINING CENTER**

*constructive and functional characteristics:

<i>Model</i>	<i>M.U.</i>	<i>DMC-2110</i>	<i>DMC-2510</i>
Capacity			
<i>X-axis Travel</i>	<i>mm</i>	2100	2500
<i>Y-axis Travel</i>	<i>mm</i>	1000	1200
<i>Z-axis Travel</i>	<i>mm</i>	800	800
<i>Spindle nose to table</i>	<i>mm</i>	200~1000	200~1000
<i>Distance between double column</i>	<i>mm</i>	1200	1300
Worktable			
<i>Table Size</i>	<i>mm</i>	2200x1000	2600x1200
<i>T-Slot (W*No*D)</i>	<i>mm</i>	22x7x150	22x7x150
<i>Max. Table Load</i>	<i>kg</i>	4000	5000
Spindle			
<i>Spindle speed</i>	<i>rpm</i>	Pulley 7000	Pulley 7000
<i>Spindle taper</i>	-	BT-50	BT-50
Feedrate			
<i>Rapid Traverse (X, Y)</i>	<i>m/min</i>	15/ full length	15/ full length
<i>Rapid Traverse (Z)</i>	<i>m/min</i>	15/ full length	15/ full length
<i>Feed Rate (X, Y, Z)</i>	<i>mm/min</i>	1-10000	1-10000
Auto Tool Changer (ATC)			
<i>Magazine capacity</i>	<i>t</i>	32	32
<i>Max. Tool Diameter/Adjacent tool Empty</i>	<i>mm</i>	Ø127/Ø228	Ø127/Ø228
<i>Max. Tool Length</i>	<i>mm</i>	300	300
<i>Max. Tool Weight</i>	<i>kg</i>	15	15
Motor			
<i>Spindle Motor (cont/30min)</i>	<i>kW</i>	AC 18.5/22	AC 18.5/22
<i>Axial Servo Motor</i>	<i>kW</i>	7.0	7.0
Power source			
<i>Electric power supply</i>	<i>kVA</i>	35	35
<i>Electric demand</i>	-	220V 50/60Hz	220V 50/60Hz
<i>Compressed air source</i>	<i>kg/cm²</i>	5~8	5~8
Machine			
<i>Dimensions (LxWxH)</i>	<i>mm</i>	7000x4000x3800	8000x4600x3800
<i>Machine N.W.</i>	<i>kg</i>	19500	21500

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PRODUCT IDENTIFICATION

The Product: VERTICAL MACHINING CENTER

*constructive and functional characteristics:

<i>Model</i>	<i>M.U.</i>	<i>VMCZ21-3000</i>	<i>VMCZ21-5000</i>	<i>VMCZ21-7000</i>
Capacity				
<i>X-axis Travel</i>	<i>mm</i>	3000	5000	7000
<i>Y-axis Travel</i>	<i>mm</i>	300-600		
<i>Z-axis Travel</i>	<i>mm</i>	500	500	500
Spindle				
<i>Spindle speed</i>	<i>rpm</i>	8000	8000	8000
<i>Spindle nose to table</i>	<i>mm</i>	90~590	90~590	90~590
<i>Spindle taper</i>	-	BT-40	BT-40	BT-40
Feedrate				
<i>Rapid Traverse (X)</i>	<i>m/min</i>	15		
<i>Rapid Traverse (Y, Z)</i>	<i>m/min</i>	20		
<i>Feed Rate (X, Y, Z)</i>	<i>mm/min</i>	1-6000	1-6000	1-6000
Auto Tool Changer (ATC)				
<i>Number of Tools</i>	<i>t</i>	24	24	24
<i>Tool Change Type</i>	-	Arm	Arm	Arm
<i>Max. Tool Diameter</i>	<i>mm</i>	Ø	Ø	Ø
<i>Max. Tool Weight</i>	<i>kg</i>	6	6	6
Motor				
<i>Spindle Motor (cont/30min)</i>	<i>kW</i>	AC 11/15	AC 11/15	AC 11/15
<i>Axial Servo Motor</i>	<i>kW</i>	3.0	3.0	3.0
Power source				
<i>Electric power supply</i>	<i>kVA</i>	30	30	30
<i>Electric demand</i>	-	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
<i>Compressed air source</i>	<i>kg/cm²</i>	6	6	6
Machine				
<i>Dimensions (LxWxH)</i>	<i>mm</i>	7480x3420x3250	7950x3500x3250	12500x3520x3250
<i>Machine N.W.</i>	<i>kg</i>	21500	26000	31000

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The Product: VERTICAL MACHINING CENTER

*constructive and functional characteristics:

<i>Model</i>	<i>M.U.</i>	<i>VMC-4000H</i>	<i>VMC-6000H</i>	<i>VMC-7000H</i>
Capacity				
<i>X-axis Travel</i>	<i>mm</i>	4000	6000	7000
<i>Y-axis Travel</i>	<i>mm</i>	450	450	450
<i>Z-axis Travel</i>	<i>mm</i>	500	500	500
Spindle				
<i>Spindle speed</i>	<i>rpm</i>	10000	10000	10000
<i>Spindle nose to table</i>	<i>mm</i>	90~590	90~590	90~590
<i>Spindle taper</i>	-	BT-40	BT-40	BT-40
Feedrate				
<i>Rapid Traverse (X)</i>	<i>m/min</i>	30	30	30
<i>Rapid Traverse (Y, Z)</i>	<i>m/min</i>	20	20	20
<i>Feed Rate (X, Y, Z)</i>	<i>mm/min</i>	1-6000	1-6000	1-6000
Auto Tool Changer (ATC)				
<i>Number of Tools</i>	<i>t</i>	12	12	12
<i>Tool Change Type</i>	-	Armless	Armless	Armless
<i>Max. Tool Diameter</i>	<i>mm</i>	Ø100	Ø100	Ø100
<i>Max. Tool Weight</i>	<i>kg</i>	6	6	6
Motor				
<i>Spindle Motor (cont/30min)</i>	<i>kW</i>	AC 5.5	AC 5.5	AC 5.5
<i>Axial Servo Motor</i>	<i>kW</i>	3.0	3.0	3.0
Power source				
<i>Electric power supply</i>	<i>kVA</i>	25	25	25
<i>Voltage</i>	-	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
<i>Compressed air source</i>	<i>kg/cm²</i>	6	6	6
Machine				
<i>Dimensions (LxWxH)</i>	<i>mm</i>	10000x4000x2800	11500x3050x2800	13000x3050x2800
<i>Machine N.W.</i>	<i>kg</i>	8500	10600	11800

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PRODUCT IDENTIFICATION

The Product: VERTICAL MACHINING CENTER

*constructive and functional characteristics:

<i>Model</i>	<i>M.U.</i>	<i>VMC-2000S</i>	<i>VMC-4000S</i>	<i>VMC-5000S</i>
Capacity				
<i>X-axis Travel</i>	<i>mm</i>	2000	4000	5000
<i>Y-axis Travel</i>	<i>mm</i>	450-600		
<i>Z-axis Travel</i>	<i>mm</i>	500	500	500
Spindle				
<i>Spindle speed</i>	<i>rpm</i>	8000	8000	8000
<i>Spindle nose to table</i>	<i>mm</i>	90~590	90~590	90~590
<i>Spindle center to column</i>	<i>mm</i>	650	650	650
<i>Spindle taper</i>	-	BT-40	BT-40	BT-40
Feedrate				
<i>Rapid Traverse (X, Y)</i>	<i>m/min</i>	12	12	12
<i>Rapid Traverse (Z)</i>	<i>m/min</i>	15	15	15
<i>Feed Rate (X, Y, Z)</i>	<i>mm/min</i>	1-6000	1-6000	1-6000
Auto Tool Changer (ATC)				
<i>Number of Tools</i>	<i>t</i>	24	24	24
<i>Tool Change Type</i>	-	Arm	Arm	Arm
<i>Max. Tool Diameter</i>	<i>mm</i>	Ø75	Ø75	Ø75
<i>Max. Tool Weight</i>	<i>kg</i>	7	7	7
Motor				
<i>Spindle Motor (cont/30min)</i>	<i>kW</i>	AC 11/15	AC 11/15	AC 11/15
<i>Axial Servo Motor</i>	<i>kW</i>	3.0	3.0	3.0
Power source				
<i>Electric power supply</i>	<i>kVA</i>	30	30	30
<i>Voltage</i>	-	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
<i>Compressed air source</i>	<i>kg/cm²</i>	6	6	6
Machine				
<i>Dimensions (LxWxH)</i>	<i>mm</i>	6300x3700x3100	8590x3700x3100	9600x3700x3100
<i>Machine N.W.</i>	<i>kg</i>	15500	17500	19000

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The Product: VERTICAL MACHINING CENTER

*constructive and functional characteristics:

<i>Model</i>		<i>VMC-6000S</i>	<i>VMC-7000S</i>	<i>VMC-10000S</i>	<i>VMC-12000S</i>
Capacity					
<i>X-axis Travel</i>	<i>mm</i>	6000	7000	10000	12000
<i>Y-axis Travel</i>	<i>mm</i>	450-600			
<i>Z-axis Travel</i>	<i>mm</i>	500	500	500	500
Spindle					
<i>Spindle speed</i>	<i>rpm</i>	8000	8000	8000	8000
<i>Spindle nose to table</i>	<i>mm</i>	90~590	90~590	90~590	90~590
<i>Spindle center to column</i>	<i>mm</i>	650	650	650	650
<i>Spindle taper</i>	-	BT-40	BT-40	BT-40	BT-40
Feedrate					
<i>Rapid Traverse (X, Y)</i>	<i>m/min</i>	12	12	12	12
<i>Rapid Traverse (Z)</i>	<i>m/min</i>	15	15	15	15
<i>Feed Rate (X, Y, Z)</i>	<i>mm/min</i>	1-6000	1-6000	1-6000	1-6000
Auto Tool Changer (ATC)					
<i>Number of Tools</i>	<i>t</i>	24	24	24	24
<i>Tool Change Type</i>	-	Arm	Arm	Arm	Arm
<i>Max. Tool Diameter</i>	<i>mm</i>	Ø75	Ø75	Ø75	Ø75
<i>Max. Tool Weight</i>	<i>kg</i>	7	7	7	7
Motor					
<i>Spindle Motor (cont/30min)</i>	<i>kW</i>	AC 11/15	AC 11/15	AC 11/15	AC 11/15
<i>Axial Servo Motor</i>	<i>kW</i>	3.0	3.0	3.0	3.0
Power source					
<i>Electric power supply</i>	<i>kVA</i>	30	30	30	30
<i>Voltage</i>	-	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz	220V 50/60Hz
<i>Compressed air source</i>	<i>kg/cm²</i>	6	6	6	6
Machine					
<i>Dimensions (LxWxH)</i>	<i>mm</i>	10890x3700x3100	11200x3700x3100	15800x3700x3100	18300x3700x3100
<i>Machine N.W.</i>	<i>kg</i>	20500	22050	26000	29500

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