



Mitutoyo Intelligent Computer Aided Technology

the standard in world
metrology software

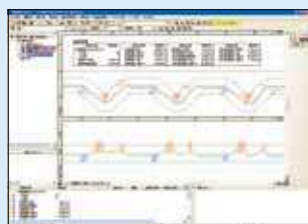
FORM

Software

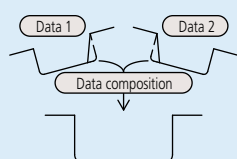
FORMTRACEPAK V5



Measuring control
screen



Automatic circle/line
application function



Data composition
function

SPECIFICATIONS

Model	CV-3000CNC			
Code No. (100V - 120V)	218-521-1E	218-522-1E	218-523-1E	218-524-1E
Code No. (200V - 240V)	218-521-2E	218-522-2E	218-523-2E	218-524-2E
X1-axis measuring range	200 mm			
Z2-axis vertical travel	300 mm			
Y-axis table unit*1	Installed			
α-axis unit	—	Installed	—	Installed
Vibration isolation stand*2	Installed			
Granite base size (WxD)	750 x 600 mm			
Dimensions (main unit, WxDxH)	800 x 620 x 1000 mm			
Mass (main unit)	240 kg			

Model	CV-3000CNC			
Code No. (100V - 120V)	218-541-1E	218-542-1E	218-543-1E	218-544-1E
Code No. (200V - 240V)	218-541-2E	218-542-2E	218-543-2E	218-544-2E
X1-axis measuring range	200 mm			
Z2-axis vertical travel	500 mm			
Y-axis table unit*1	Installed			
α-axis unit	—	Installed	—	Installed
Vibration isolation stand*2	Installed			
Granite base size (WxD)	750 x 600 mm			
Dimensions (main unit, WxDxH)	800 x 620 x 1200 mm			
Mass (main unit)	250 kg			

Model	CV-4000CNC			
Code No. (100V - 120V)	218-561-1E	218-562-1E	218-563-1E	218-564-1E
Code No. (200V - 240V)	218-561-2E	218-562-2E	218-563-2E	218-564-2E
X1-axis measuring range	200 mm			
Z2-axis vertical travel	300 mm			
Y-axis table unit*1	Installed			
α-axis unit	—	Installed	—	Installed
Vibration isolation stand*2	Installed			
Granite base size (WxD)	750 x 600 mm			
Dimensions (main unit, WxDxH)	800 x 620 x 1000 mm			
Mass (main unit)	240 kg			

Model	CV-4000CNC			
Code No. (100V - 120V)	218-581-1E	218-582-1E	218-583-1E	218-584-1E
Code No. (200V - 240V)	218-581-2E	218-582-2E	218-583-2E	218-584-2E
X1-axis measuring range	200 mm			
Z2-axis vertical travel	500 mm			
Y-axis table unit*1	Installed			
α-axis unit	—	Installed	—	Installed
Vibration isolation stand*2	Installed			
Granite base size (WxD)	750 x 600 mm			
Dimensions (main unit, WxDxH)	800 x 620 x 1200 mm			
Mass (main unit)	250 kg			

*1 Y-axis table unit

Measuring range: 200 mm
 Resolution : 0.05 μm
 Scale unit: Reflective-type linear encoder
 Drive speed: Max. 200 mm/s (CNC)
 0 - 50 mm/s (joystick)
 Max. loading capacity: 20 kg
 Traverse straightness: 0.5 μm/200 mm (surface roughness)
 2 μm/200 mm (contour)
 Accuracy (at 20°C): ±(2+2L/100) μm, contour mode
 L: Dimension between two measured points (mm)
 Table size: 200 x 200 mm
 Dimensions (WxDxH): 320 x 646 x 105 mm
 Mass: 35 kg

*2 Vibration isolation stand

Vibration isolation
 mechanism: Diaphragm air spring
 Natural frequency: 2.5 - 3.5 Hz
 Damping mechanism: Orifice
 Levelling mechanism: Automatic control with mechanical valves
 Air supply pressure: 390 kPa
 Max. loading capacity: 350 kg
 Dimensions (WxDxH): 1000 x 895 x 718 mm
 Mass: 290 kg