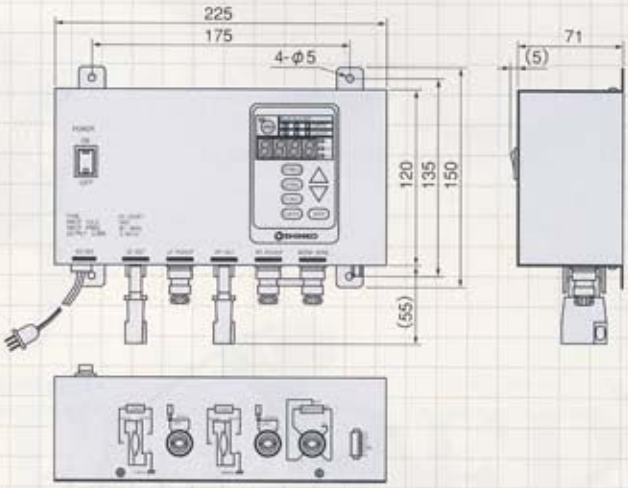
C9-03VFT —Variable Frequency Digital Controllers

Digital Control for Revolutionary Delivery of Micro-sized Parts

This new digital controller represents a major advance in the control of high frequency mini parts feeders for delivery of electronic chips and other micro-sized parts. Auto-tuning makes frequency adjustment unnecessary, and with its convenient digital settings and display it enables high frequency mini parts feeders to be operated to their full potential.

Dimensions



(Unit: mm)

Features

•Auto-tuning function eliminates frequency adjustments

This digital equipment has an advanced vibration frequency auto-tuning function. It automatically tracks resonance point changes not only from variations in workpiece input volume, but also from mechanical changes over time, to deliver optimal vibration at all times. No leaf-spring adjustment or even frequency adjustment is necessary, thereby boosting operating efficiency and saving energy.

•Digital setting and display makes settings easy to manage

Amplitude, drive frequency, output voltage notches are all set and displayed digitally, for easy management.

•Constant amplitude control matched to workpieces

Amplitude can be set digitally, and an amplitude sensor keeps drive at a uniform amplitude suited to the workpieces under conveyance.

•One controller for all

One controller can control both parts feeders or linear feeders.

•Computerized control delivers optimal drive

Specifications

Model		C9-03VFT
Input Power source		AC100/110/115V ±10%, 50/60Hz
Control system		PWM system
Output	Voltage	0~95V
	Vibration frequency	Full wave: 100~180 Hz High frequency: 220~360 Hz
	Maximum current	0.6A
Operating modes	Auto-tuning mode	Automatically senses particular vibration frequencies of parts feeder or linear feeder and controls drive at that frequency
	Constant amplitude mode	Digital setting for amplitude Amplitude controlled to be uniform by means of amplitude sensor
Additional features	Start/Stop control	Start/stop control by external signal
	Overflow control	Sensor allows parts feeder overflow control On/off delay: Variable, 02~4.0 secs
	Sensor power source	DC12V
	Output signal	Output signal synchronized to operation
	Soft start	Variable, 0.5~2.0 secs
Others	Noise tolerant voltage	Above 1000V
	Ambient temperature	0~40°C
	Ambient humidity	10~90% (no condensation)
	Case color	Beige (5Y7/1)
	Dimensions	225W x 150H x 71D mm
	Weight	1.8 kg
Compatible SHINKO Parts feeders		HME-08, HME-14,ME-08, ME-14
Compatible SHINKO Linear feeders		HLFB-04, LFB-04