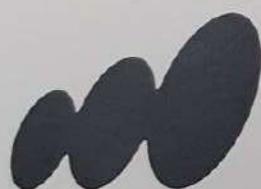Horizontal Machining Center

H.Plus-405

Matsuura G-Tech 30i

INSTRUCTION MANUAL

INSTALLATION

4/12

Matsuura

Matsuura Machinery Corporation
Japan

H.Plus-405-Chain type-INST-CE-01/GT30i

APR/2005

(3) Interpolation

	Positioning	G00
	Linear interpolation	G01
	Circular interpolation	G02/G03: (CW/CCW)
	Helical interpolation	G02/G03: (CW/CCW)
*	Spiral / Conical interpolation	Helical interpolation is required
*	Hypothetical axis interpolation	G07
*	Polar coordinate interpolation	G12.1, G13.1
*	Cylindrical interpolation	G07.1
*	Exponential interpolation	G02.3/G03.3: (CW/CCW)
*	Involute interpolation	G02.2/G03.2: (CW/CCW)
	Nano interpolation	
*	Smooth interpolation	
*	Nano-smoothing	

(4) Feed

	Cutting feedrate	F direct command (mm / min or inch / min)
	Dwell	G04
	Handle feed: 1 set	Manual pulse generator: 1 set 0.001 / 0.01 / 0.1 mm / scale 0.0001 / 0.001 / 0.01 inch /scale
*	Handle feed: 2 sets	Manual pulse generator: 2 sets
*	Handle feed: 3 sets	Manual pulse generator: 3 sets
	Manual feed	Rapid traverse / Jog feedrate
	Automatic acceleration / deceleration	Rapid traverse: linear accel. / decel. Cutting feed: exponential accel. / decel.
	Linear accel. / decel. after cutting feedrate interpolation	
	Bell-shaped accel. / decel. after feed interpolation	
	Linear accel. / decel. before cutting feedrate interpolation	
	Rapid traverse bell-shaped accel. / decel.	
	Bell-shaped accel. / decel. before look-ahead interpolation	For AI contour control I / II
*	Optimum torque accel. / decel.	