


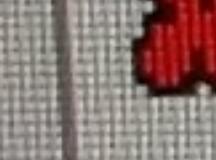





Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	A -Port #	A -Pin #	B -Port #	B -Pin #	Counts/U...	Velocity
Encoder1		0	0	0	0	1.000000	100.000000
Encoder2		0	0	0	0	1.000000	100.000000
Encoder3		0	0	0	0	1.000000	100.000000
Encoder4		0	0	0	0	1.000000	100.000000
MPG #1		2	15	2	16	4.000000	100.000000
MPG #2		0	0	0	0	1.000000	100.000000
MPG #3		0	0	0	0	1.000000	100.000000

OK

Cancel

Apply

Mode Active.....

M-Codes

On/Off

Z Inhibit

+0.000

Elapsed

00:00

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

Profile: Mach3Mill-E-Stop

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low	Emulated	HotKey
X ++		2	3			0
X --		2	3			0
X Home		2	6			0
Y ++		2	2			0
Y --		2	2			0
Y Home		2	5			0
Z ++		2	1			0
Z --		2	1			0
Z Home		2	4			0

Pins 10-13 and 15 are inputs. Only these 5 pin numbers may be used on this screen

Automated Setup of Inputs

OK

Cancel

Apply

On/Off

Z Inhibit

Elapsed

00:00

Log ON/OFF Ctrl Alt J

Units/Min

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low	Emulated	HotKey
Z Home		2	4			0
A ++		1	0			0
A --		1	0			0
A Home		1	0			0
B ++		1	0			0
B --		1	0			0
B Home		1	0			0
C ++		1	0			0
C --		1	0			0

Pins 10-13 and 15 are inputs. Only these 5 pin numbers may be used on this screen

Automated Setup of Inputs

OK

Cancel

Apply

Elapsed

00:00

On/Off

Z Inhibit

+0.000

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

Profile: Mach3Mill-E-St

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low	Emulated	HotKey
C --		1	0			0
C Home		1	0			0
Input #1		1	0			0
Input #2		1	0			0
Input #3		1	0			0
Input #4		1	0			0
Probe		1	0			0
Index		1	0			0
Limit Ovr		1	0			0

Pins 10-13 and 15 are inputs. Only these 5 pin numbers may be used on this screen

Automated Setup of Inputs

OK

Cancel

Apply

Elapsed

00:00

On/Off

Z Inhibit

+0.000








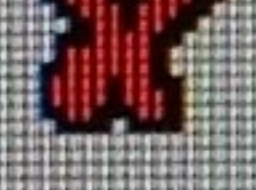
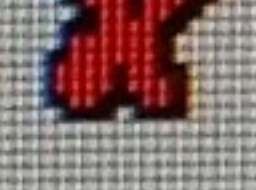
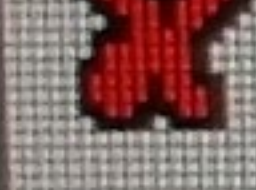


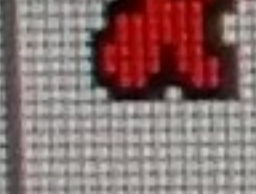


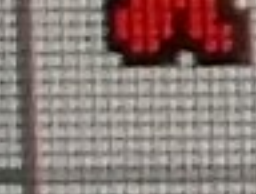


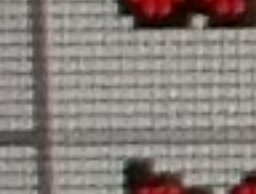








Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low	Emulated	HotKey
Limit Ovrd		1	0			0
EStop		2	16			0
THC On		1	0			0
THC Up		1	0			0
THC Down		1	0			0
OEM Trig #1		1	0			0
OEM Trig #2		1	0			0
OEM Trig #3		1	0			0
OEM Trig #4		1	0			0

Pins 10-13 and 15 are inputs. Only these 5 pin numbers may be used on this screen

Automated Setup of Inputs

OK

Cancel

Apply

On/Off

Z Inhibit

Elapsed

00:00

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low	Emulated	HotKey
OEM Trig #4		1	0			0
OEM Trig #5		1	0			0
OEM Trig #6		0	0			0
OEM Trig #7		0	0			0
OEM Trig #8		0	0			0
OEM Trig #9		0	0			0
OEM Trig #10		0	0			0
OEM Trig #11		0	0			0
OEM Trig #12		0	0			0

Pins 10-13 and 15 are inputs. Only these 5 pin numbers may be used on this screen

Automated Setup of Inputs

OK

Cancel

Apply

On/Off

Z Inhibit

+0.000

Elapsed

00:00

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low	Emulated	HotKey
OEM Trig #12		0	0			0
OEM Trig #13		0	0			0
OEM Trig #14		0	0			0
OEM Trig #15		0	0			0
Timing		0	0			0
Jog X++		0	0			0
Jog X--		0	0			0
Jog Y++		0	0			0
Jog Y--		0	0			0

Pins 10-13 and 15 are inputs. Only these 5 pin numbers may be used on this screen

Automated Setup of Inputs

OK

Cancel

Apply

On/Off

Z Inhibit

+0.000

Elapsed

00:00

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

Profile: Mach3Mill-E-S

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low	Emulated	HotKey
Jog X++		0	0			0
Jog X--		0	0			0
Jog Y++		0	0			0
Jog Y--		0	0			0
Jog Z++		0	0			0
Jog Z--		0	0			0
Jog A++		0	0			0
Jog A--		0	0			0

Pins 10-13 and 15 are inputs. Only these 5 pin numbers may be used on this screen

Automated Setup of Inputs

OK

Cancel

Apply

On/Off

Z Inhibit

+0.000

Elapsed

00:00

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Z - Inhibit

☐ Z - Inhibit On

Max Depth Units

☐ Persistent

Digitizing

☐ 4 Axis Point Clouds

☐ Add Axis Letters to Coordinates

THC Options

☐ Allow THC UP/DOWN Control even if not in THC Mode.

☐ G28.1 No Initial Move.

☐ Set OUTPUT5 when in THC

Compensation G41,G42

☒ Advanced Compensation Analysis

Loop Control

☐ Allow Servo Hold on Input#1

Max CL Closed Loop Emulation

General Options

☐ Homed true when no home swithes

G73 Pullback

OK

Cancel

Apply

Elapsed

00:00

On/Off

Z Inhibit

+0.000

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

Profile: Mach3Mill-E-S

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Relay Control

☐ Disable Spindle Relays

Clockwise (M3) Output #

CCW (M4) Output #

Output Signal #'s 1-6

Flood Mist Control

☒ Disable Flood/Mist relays Delay

Mist M7 Output #

Flood M8 Output #

Output Signal #'s 1-6

ModBus Spindle - Use Step/Dir as well

☐ Enabled Reg 64 - 127

Max ADC Count

Motor Control

☒ Use Spindle Motor Output

☒ PWM Control

☐ Step/Dir Motor

PWMBase Freq.

Minimum PWM %

General Parameters

CW Delay Spin UP Seconds

CCW Delay Spin UP Seconds

CW Delay Spind DOWN Seconds

CCW Delay Spin DOWN Seconds

☐ Immediate Relay off before delay

Special Functions

☐ Use Spindle Feedback in Sync Modes

☐ Closed Loop Spindle Control

P I D

☐ Spindle Speed Averaging

Special Options, Usually Off

☐ HotWire Heat for Jog

☐ Laser Mode, freq I

☐ Torch Volts Control

☐ Torch Auto Off





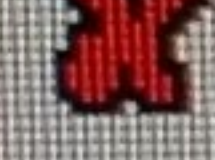



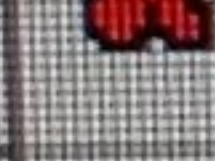
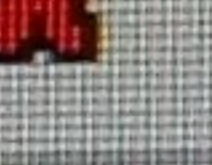









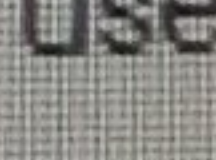
OK

Cancel

Apply

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low
Digit Trig		1	0	
Enable1		1	0	
Enable2		1	0	
Enable3		1	0	
Enable4		1	0	
Enable5		1	0	
Enable6		1	0	
Output #1		2	15	
Output #2		2	16	
Output #3		1	0	

Pins 2 - 9, 1, 14, 16, and 17 are output pins. No other pin numbers should be used.

OK

Cancel

Apply

Elapsed

00:00

On/Off

Z Inhibit

+0.000

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

M-Codes

Profile: Mach3Mill-E

Zero
7

+0.0000

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low
Output #2		2	16	
Output #3		1	0	
Output #4		1	0	
Output #5		1	0	
Output #6		1	0	
Charge Pump		1	0	
Charge Pump2		1	0	
Current Hi/Low		1	0	
Output #7		1	0	
Output #8		1	0	

Pins 2 - 9, 1, 14, 16, and 17 are output pins. No other pin numbers should be used.

OK

Cancel

Apply

Elapsed

00:00

On/Off

Z Inhibit

+0.000

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

Codes

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low
Output #7		1	0	
Output #8		1	0	
Output #9		1	0	
Output #10		1	0	
Output #11		1	0	
Output #12		1	0	
Output #13		1	0	
Output #14		1	0	
Output #15		1	0	
Output #16		1	0	

Pins 2 - 9, 1, 14, 16, and 17 are output pins. No other pin numbers should be used.

OK

Cancel

Apply

Active.....

M-Codes

On/Off

Z Inhibit

+0.000

Elapsed

00:00

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

Profile: Mach3Mill-E-Sto

Engine Configuration... Ports & Pins

Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Signal	Enabled	Port #	Pin Number	Active Low
Output #12	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Output #13	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Output #14	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Output #15	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Output #16	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Output #17	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Output #18	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Output #19	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>
Output #20	<input checked="" type="checkbox"/>	1	0	<input checked="" type="checkbox"/>

Pins 2 - 9 , 1, 14, 16, and 17 are output pins. No other pin numbers should be used.

OK

Cancel

Apply

Mode Active.....

M-Codes

On/Off

Z Inhibit

+0.000

Elapsed

00:00

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev

0.00

0.00

Profile: Mach3Mill-E-StopH

Engine Configuration... Ports & Pins



Port Setup and Axis Selection | Motor Outputs | Input Signals | Output Signals | Encoder/MPG's | Spindle Setup | Mill Options

Port #1

☐ Port Enabled

0x378

Port Address

Entry in Hex 0-9 A-F only

Port #2

☐ Port Enabled

0x278

Port Address

Entry in Hex 0-9 A-F only

☒ Pins 2-9 as inputs

OR

MaxNC Mode

☐ Max CL Mode enabled

☐ Max NC-10 Wave Drive

Program restart necessary

Restart if changed

☐ Sherline 1/2 Pulse mode.

☐ ModBus InputOutput Support

☐ ModBus PlugIn Supported.

☐ TCP Modbus support

☐ Event Driven Serial Control

Kemel Speed

☒ 25000Hz ☐ 35000Hz ☐ 45000Hz ☐ 60000hz

☐ 65000hz ☐ 75000hz ☐ 100khz

Note: Software must be restarted and motors retuned if kemel speed is changed.

OK

Cancel

Apply

Elapsed

00:00

On/Off

Z Inhibit

+0.000

Jog ON/OFF Ctrl-Alt-J

Units/Min

Units/Rev