


 ETL LISTED  
 CONFORMS TO  
 NFPA STD 79  
 UL STD 508  
 UL SUBJECT 2011  
 CERTIFIED TO  
 CSA STD C22.2 NO. 73  
 Intertek  
 9700845

**HAAS** MTL MODEL

UMC-500

HAAS AUTOMATION, INC.  
 2800 STURGIS RD, OXNARD, CA. 93030  
 www.HAASCNC.com

SERIAL NUMBER.....	1210600	CE EAC UK CA
DATE OF MFG.....	10/2024	
VOLTAGE.....	220	
PHASE.....	3	
HERTZ.....	50/60	
FULL LOAD.....	70	
LARGEST LOAD.....	65	AMPS
SHORT CIRCUIT INTERRUPTING CAPACITY - 10,000 AMPS		
WIRING DIAGRAM.....	96	0294
SHORT CIRCUIT CURRENT - 5,000 AMPS RMS SYMMETRICAL		
ARC FLASH RATING: 208 - 240VAC MODELS HRC-1, 360-480VAC MODELS HRC-2		
NEMA TYPE 2 ENCLOSURE - FOR INDOOR USE ONLY. OVER CURRENT PROTECTION PROVIDED AT MACHINE SUPPLY TERMINALS.		
P/N 29-10048D Rev. B		













Setup: jog 09:31:31

MEM ...A UMC500 SHADOWCUT.nc N5

D01007 (SEMA UMC500 SHADOWCUT)  
(Using G0 which travels along dogleg path.);  
(Machine);  
( vendor: HAAS);  
( model: UMC-500SS);  
( description: Haas UMC-500SS);  
(T21 D=2. CR=0. - face mill);  
(T22 D=0.375 CR=0. TAPER=140deg - drill);  
(T24 D=0.25 CR=0.03 - bullnose end mill);  
(T25 D=0.375 CR=0.03 - bullnose end mill);  
(T26 D=0.125 CR=0.0525 - ball end mill);  
(T27 D=0.375 CR=0. TAPER=45deg - chamfer mill);  
G90 G94 G17;  
G20;  
G53 G0 Z0.;

(Face);  
T21 M6;  
S7517 M3;  
G17 G90 G94;  
G54;  
G0 B90. C90.;

G254;  
G0 X0.6782 Y-3.5213;  
G43 Z1.1 H21;  
T22;  
G0 Z0.725;

**Low Coolant**

Parameters, Diagnostics And Maintenance

Diagnostics Maintenance Parameters

Gauges System I/O MOCON Keyboard I/O System Monitor

Configuration

Serial Number 1210800  
Model UMC-500

Machine Data

Run Time 23:09:58  
Bill Time 199 Days  
Tool Changes 5329  
Power Cycles 32  
Power On Time 224:42:28

Software

Release 100.24.000.1110  
Link 07/22/2024 16:09  
MOCON 1.17 .K  
Control 16:11:44 Jul 22 2024  
Help Version 1

F2 Legal Information

Hardware

FPGA Firmware Version 1.69  
FPGA EEPROM 1.6  
FPGA Vendor INTEL  
FPGA Model C4  
Date ???

Scroll Down

Main Spindle

STOP

Spindle Speed: 0 RPM  
Spindle Power: 0.0 KW  
Surface Speed: 0 FPM  
Chip Load: 0.000 IPT  
Feed Rate: 0.0000 IPM  
Active Feed: 0.0000 IPM

Overrides

Feed: 100%  
Spindle: 100%  
Rapid: 50%

Load 0% Temp 69°F

Hand Jog

Position: (IN) Work G54 Distance To Go Machine Jog Rate: 0.1000 Operator

	Position: (IN)	Distance To Go	Machine	Jog Rate: 0.1000	Operator
X	0.1738	-10.1000	-10.1000	-10.1000	-10.1000
Y	5.5378	-2.4000	-2.4000	-2.4000	-2.4000
Z	5.0796	-0.0002	-0.0002	-0.0002	-0.0002
B	-0.002	-0.002	-0.002	-0.002	-0.002
C	-89.423	-0.001	-0.002	-0.002	-0.002

Setup jog

input: |

Low Coolant

Setup: Jog 09:31:07

MEM ...A UMC500 SHADOWCUT.nc N5

001002 (SEMA UMC500 SHADOWCUT)  
(Using G0 which travels along dogleg path.);  
(Machine);  
( vendor: HAAS);  
( model: UMC 500SS);  
( description: Haas UMC 500SS);  
(T21 D=2 CR=0 - face mill);  
(T22 D=0.375 CR=0 TAPER=140deg - drill);  
(T24 D=1.25 CR=0.03 - bullnose end mill);  
(T25 D=0.375 CR=0.03 - bullnose end mill);  
(T.6 D=0.125 CR=0.0625 - ball end mill);  
(T27 D=0.375 CR=0 TAPER=45deg - chamfer mill);  
G90 G94 G17;  
G20;  
G53 G0 Z0.;  
(Face);  
T21 M6;  
S7517 M3;  
G17 G90 G94;  
G54;  
G0 B90, C90.;  
G254;  
;  
G0 X0.6782 Y-3.5213;  
G43 Z1.1 H21;  
T22;  
G0 Z0.725;

**Low Coolant**

Parameters, Diagnostics And Maintenance

Diagnostics Maintenance Parameters  
Features Compensation Activation

Search F1

Machine	Feature	Status	Date:
<input type="checkbox"/>	Macros	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	Rotation And Scaling	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	Rigid Tapping	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	TCPC and DWO	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	M19 Spindle Orient	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	High Speed Machining	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	VPS Editing	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	Media Display	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	Fourth Axis	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	Fifth Axis	Purchased	Acquired 01-12-26
<input type="checkbox"/>	Custom Rotaries	Feature Disabled	Purchase Required
<input checked="" type="checkbox"/>	Max Memory: 1GB	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	Wireless Networking	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	Compensation Tables	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	Through Spindle Coolant	Purchased	Acquired 01-12-26
<input checked="" type="checkbox"/>	Max Spindle Speed: 15000 R...	Purchased	Acquired 01-12-26
<input type="checkbox"/>	Robot	Feature Disabled	Purchase Required

\*Tryout time is only updated while Feature is enabled.

ENTER Turn On/Off Feature F4 Purchase Feature With Entered Activation Code.

Main Spindle

STOP

Overrides

Feed: 100%  
Spindle: 100%  
Rapid: 50%

Load 0% Temp 69°F

Hand Jog

Position: (IN) Work G54 Distance To Go Machine Jog Rate: 0.1000 Operator

	Position: (IN) Work G54	Distance To Go	Machine	Jog Rate: 0.1000 Operator
X	0.1738	-10.1000	-10.1000	-10.1000
Y	5.5378	-2.4000	-2.4000	-2.4000
Z	5.0796	-0.0002	-0.0002	-0.0002
B	-0.002	-0.002	-0.002	-0.002
C	-89.423	-0.001	-0.002	-0.002

Low Coolant

Setup Jog

Input:

Setup: jog 09:31:54

MEM ...A UMC500 SHADOWCUT.nc N5

001002 (SEMA UMC500 SHADOWCUT)  
Using G0 which travels along dogleg path.  
(Machine).  
( vendor: HAAS);  
( model: UMC-500SS);  
( description: Haas UMC-500SS);  
(T21 D=2. CR=0. - face mill);  
(T22 D=0.375 CR=0. TAPER=1.40deg - drill);  
(T24 D=0.25 CR=0.03 - bullnose end mill);  
(T25 D=0.375 CR=0.03 - bullnose end mill);  
(T26 D=0.125 CR=0.0625 - ball end mill);  
(T27 D=0.375 CR=0. TAPER=45deg - chamfer mill);  
G90 G94 G17;  
G20;  
G53 G0 Z0.;  
(Face1);  
T21 M6;  
S7517 M3;  
G17 G90 G94;  
G54;  
G0 B90. C90.;  
G254;  
:  
G0 X0.6782 Y-3.5213;  
G43 Z1.1 H21;  
T22;  
G0 Z0.775;

**Parameters, Diagnostics And Maintenance**


Diagnostics Maintenance Parameters  
Gauges System I/O MOCON Keyboard I/O System Monitor

Last Reset: 01-01-1970 00:00 Search **F1**

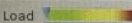

Description	Since Reset	Total	Filter
Cycle Time	49:50:58	97:48:41	<input type="checkbox"/>
Power On Time	123:40:49	224:42:50	<input type="checkbox"/>
Servo Time	135:12:23	135:12:23	<input type="checkbox"/>
Feed Time	23:57:20	26:12:59	<input type="checkbox"/>
Power Cycles	32	32	<input type="checkbox"/>
Number of Tool Changes	5471	5471	<input type="checkbox"/>
Main Spindle Total Usage	79:00:26	79:00:26	<input type="checkbox"/>
Main Spindle : < 8K RPM	40:44:00	40:44:00	<input type="checkbox"/>
Main Spindle : 8K - 12K RPM	27:51:19	27:51:19	<input type="checkbox"/>
Main Spindle : > 12K RPM	10:25:05	10:25:05	<input type="checkbox"/>
Maximum Spindle Motor Temperature	154 F	154 F	<input type="checkbox"/>
Spindle Lube Failure Events	0	0	<input type="checkbox"/>
Axis Lube Not Detected Events	0	0	<input type="checkbox"/>
Axis Lube Cycle Failure Events	0	0	<input type="checkbox"/>
Under Air Pressure Events	21	21	<input type="checkbox"/>
Axis Lube Low Pressure Events	0	0	<input type="checkbox"/>
Ground Fault Events	26	26	<input type="checkbox"/>
Tripped Circuit Breaker Events	2	2	<input type="checkbox"/>
Tool Load Exceeded Events	0	0	<input type="checkbox"/>

ENTER Select filter ALTER Filter Selected **F2** Clear all filters OFFSET Reset Values

**Main Spindle**

 Spindle Speed: 0 RPM  
Spindle Power: 0.0 KW  
Surface Speed: 0 FPM  
Chip Load: 0.000 IPT  
Feed Rate: 0.0000 IPM  
Active Feed: 0.0000 IPM

Overrides  
Feed: 100%  
Spindle: 100%  
Rapid: 50%

Load  0% Temp  69°F

**Hand Jog**

Position: (IN) Jog Rate: 0.1000  
Work G54 Machine Operator

	Position: (IN)	Distance To Go	Machine	Operator
X	0.1738	-10.1000	-10.1000	-10.1000
Y	5.5378	-2.4000	-2.4000	-2.4000
Z	5.0796	-0.0002	-0.0002	-0.0002
B	-0.002	-0.002	-0.002	-0.002
C	-89.423	-0.001	-0.002	-0.002

Low Coolant

Setup jog

Input: