

HAAS MILL SETUP

1. Program preparation

- Ensure drawing package and dimensioning meet senior design criteria
- Run simulation in MasterCAM and have code approved by a mentor
- Have drawings and a machining plan on hand for quick access



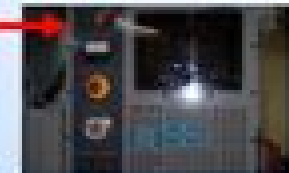
2. Maintenance

- Check coolant; make sure container is $\frac{3}{4}$ full
- Clean chips from operating table and machinery
- Make sure tools are sharp and in operating condition



3. Startup

- Turn HAAS Mill on (green POWER ON button)
- Sign and date sheet on right side of control interface
- Perform warm-up if machine has not been run in 3 days
LIST PROG => Spindle warm-up => Start=>
Spindle Speed = 40%



4. Tool Preparation

- Setup tools in tool holders on cart
- Put tools in proper order on the HAAS carriage
- Place material securely in the jig
- Zero z-axis for each tool implementing feeler gauge
- Zero x- and y-axis to common corner on the material to be machined
- Refer to Section 2.9: Tool Changer Setup Procedure on page 18 in the Operator's Manual



5. Program Loading

- Upload the program
LIST PROG => select program using CURSOR => SELECT PROG
- Perform a dry run

*For troubleshooting
see operators
manual

Haas Mill Quick Setup Guide

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