



On-Site Machine Orientation & Operator Training

As part of every new Haas machine installation, HFO Gerotech provides on-site machine orientation and operator training. A factory-trained service technician or applications engineer provides four (4) hours of instruction on the following topics and procedures:

A. Powering On & Homing the Machine

- Power-up , restart procedure
- Zero-Return mode
- Power up, Jog without Zero-Return

B. Manually Positioning & Jogging all Machine Axes

- Manual Pulse Generator - MPG
 - Electronic Hand wheel
 - Jog Buttons
 - Jog Lock
- MDI mode
 - Turning Spindle On

C. Creating & Editing Programs

- List Program mode
 - Entering a Program – Manually & Via USB
- File management functions – Using USB Port and RS-232 to transfer programs in & out
- Edit mode

D. Running Programs in Automatic

- Memory
- Single Block
- Optional Stop
- Block Delete

E. Machine Set-up Functions

- Loading the tool changer/turret
- Setting tool-length offsets
- Setting fixture offsets
- Adjusting individual coolant-spigot positions
- Use of the chip auger & tailstock (when included)

F. Altering the Machining Characteristics in Automatic Mode

- Feed-rate overrides
- Spindle-speed overrides
- Rapid-traverse overrides



G. Use of the Displays

- Current Commands Displays
 - Tool Load
 - Tool Life
 - Advanced Tool Management (ATM)
 - Macro Variables
 - Pallet Scheduling (if applicable)
- Offset display
- Position display
- Program/Conversion display
- Alarm/Message display
- Setting/Graphic display
- Help/Calculator display

H. Review Specific Machine Options

- 4th Axis
- Probe
- Thru Spindle Coolant – TSC
- E-net
- Others

I. Basic Machine Maintenance & Care

- Review A, B, C Items – Daily, Weekly & Monthly
- Brief review of Haas manuals – Also available online at www.haascnc.com > Customer Service > Manual Updates –Also >Training – Note all this is FREE
- Also go to www.haascnc.com > Solutions/Applications > Control Tips
- Where & how to fill coolant & oils
- Use of proper oil
- Basic Control Cabinet – Where things are located
- Explain taper lock and ways to prevent it

J. Additional Available Training – Operator & Programming Classes

- www.hfogerotech.com > Training
- How to schedule/sign up online
- Intuitive Programming System Training Class – IPS – Starter Class for Toolroom Series
- Available classes – Operator & Programming – Mill or Lathe at Warren & Grand Rapids
- Online Training – www.LearnHaasCNC.com – with Illustrated Matching Textbook



Haas Factory Outlet

A Division of Gerotech Inc.

- Custom training is available – In house from HFO Gerotech
- Additional CNC training & CNC education – Michigan HTEC Program. More information at www.htecnetwork.org > HTEC Member & select Michigan

K. Service Program – Warranty, 11-month Check-Up & Post Warranty

- www.hfogerotech.com >Service or Call (734) 379-7788
- Online Help 24/7 – Service Inquiry, Service Request, Part Order, Rotary Repair Forms
- Emergency After-Hours Service Available 24/7 by calling (734) 379-7788 and choosing option #7 from the main menu.
- Service Help Desk & Customer Service Data Base – All Calls Entered
- Factory Certified Haas Service Technicians
- Preventive Maintenance Plan – Protect your investment
 - o Extend Machine Life
 - o Avoid costly downtime
 - o PM Follow-Up Report