

Education

Your custom training solution will be a proven blend of closely guided hands-on training and classroom simulation. We can provide [on-site training](#) in your facility and work with your machines and your people, or you can bring your people to us for personalized sessions at one of our Phillips Corporation Haas Factory Outlet Training Centers near you.

Standard

MasterCam Certification

With the increasing demand in the industry, programmers and machinists who become Mastercam Certified carry with them a useful means of quickly proving and validating their Mastercam skills in an increasingly demanding industry. Employers can be guaranteed to get the level of experience and expertise they demand.

Tooling Applications for Milling, Drilling, and Tapping

This course presents an overview of the various types of tooling used for milling, drilling, and tapping operations and covers the applications of each. The focus of the course will be on the process for selecting the proper tool and holder for a given machining operation.

Set-up and Operation for Turning

This course presents an overview of proper techniques used while performing a turning set up. It consists of getting to know the machine while taking control of the application and process. The focus of the course will be on learning how to effectively set up the turning center. It provides students with hands-on training and demonstrations.

Set-up and Operation for a Machining Center

This course presents an overview of proper techniques used while performing a milling set up. It consists of getting to know the machine while taking control of the application and process. The focus of the course will be on learning how to effectively set up the machining center. It provides students with hands-on training and demonstrations.

Renishaw Probe Training

This course presents an overview of proper techniques used while performing calibration, part set up, and part orientation with a touch trigger probe. It consists of getting to know the probes while taking control of the application and process. It also consists of proper techniques used along with the tool setting probe. The focus of the course is on learning how to effectively set up and program the probes to set work offsets in all axis, and set tool offsets utilizing the VQC software. It provides students with hands-on training and demonstrations.

Haas CNC Programming For Turning Centers

This course presents an overview of CNC machine codes and programmable

functions for turning centers. It consists of understanding how to maximize your productivity while minimizing your programming times. The focus of the course will be on learning how to effectively program the turning center. It provides students with a combination of classroom and hands-on training with demonstrations.

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Haas Servo Bar Feed Training

This course presents an overview of proper techniques used while performing bar feeding while turning. It consists of recommendations of use for accurate positioning as well as understanding options in set-up and programming. It provides students with hands-on training and demonstrations.

Haas Fourth Axis Training (Vertical and Horizontal)

This course presents an overview of proper techniques used while performing fourth axis machining. It consists of overcoming issues with an additional axis as well as understanding options in set-up and programming. It provides students with hands-on training and demonstrations.

Haas Control Training

This course presents an overview of the Haas CNC Control. The focus of the course will be on learning how to navigate and what each key represents. It provides operators with hands-on training and demonstrations.

Advanced Education

Advanced

Advance Turning and Programming

Turning techniques, proper setup of machine tool for facing, drilling, boring, tapping, ID and OD threading, tailstock programming, proper insert selection, coatings, proper tool setup, speeds and feeds, machining cycles.

Advanced Milling and Programming:

Milling techniques, proper setup of machine tool for face milling, peripheral milling, slotting, ramping, helical milling, thread milling, proper insert selection, proper cutter selection, proper tool setup, speeds, and feeds, machining cycles

Renishaw Probe Programming

Using Visual Quick Code templates in Haas controls; setup of tool offsets; setup of work piece coordinate in XYZ axis; probe calibrations; programming probe to measure bores, bosses, slots, length, width, positions; introduction to OMV (inspection with report from a solid model)

Applications

Applications services include lean manufacturing consultation and design, set up reduction and programming offering you a complete manufacturing solution.

Applications

Offline CNC Programming

Custom tailoring parts programs for manufacturing as per customer specifications on their specific machine tool. Complete with setup instructions, work holding orientation, and tool lists

Customer Process Evaluation

Recommendations to customers for part processing – including programming, work holding, tooling, and proper choice of machine tool to perform operations effectively.

Lean Manufacturing Processes

Evaluation of customer processes to help customers realize more effective manufacturing through the implantation of lean processes in the entire manufacturing work environment.