

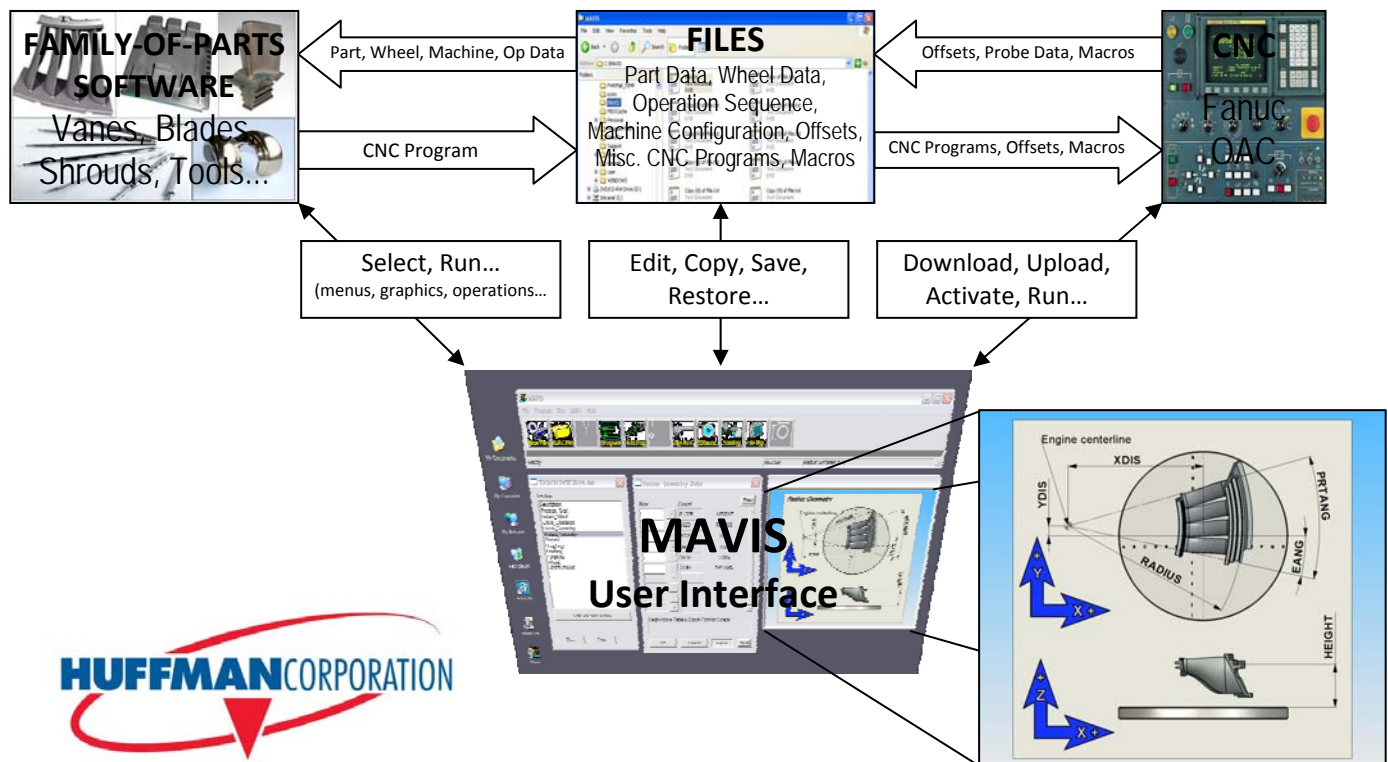
# MAVIS

## Machine Application Visual Interface Software

Huffman's Machine Application Visual Interface Software (MAVIS) is a powerful yet fast and easy way for a Huffman machine operator to perform programming, set-up and operational tasks. Its simple, sequential, point-and-click operation and graphical displays **save programming time, reduce errors, increase throughput, and improve productivity.**

- PC computing with intuitive Windows interface to lead operator through sequential choices.
- Error-free programs increase throughput and produce high-quality parts while saving time and material.

- Provides a consistent "look and feel" to Huffman software packages such as vanes, shrouds, seals, blades, medical components, tools, etc.
- Convenient and flexible tool for experienced users. No nested menus. Knowledge of operating system commands or computer specific concepts not required.
- Less training investment required as users quickly learn to operate the system with familiar mouse-driven, icon interface, and common look of Huffman software.
- Increased productivity with the ability to create and modify hand-written part programs.
- Automatic error notification and logging.
- Better compatibility through DNC interface for older machines.



Compelling Productivity. Legendary Reliability.

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The MAVIS Tool Bar



The **NEW PART** icon lists installed part family software packages. Once a part family is selected, MAVIS automatically selects corresponding data, wheel, operations and graphics files specific to that part family.



The **DATA FILE** icon presents a list of data files for the selected part family. A data file contains the parameters that define the part geometry and sequence of operations. The data values are displayed for review and modification to conform to specific parts. If desired, a graphical representation of the parameters may be simultaneously displayed.



The **PROBE** icon initiates interactive probing for part families with adaptive capability. The machine probes predefined aspects of the part geometry and automatically returns the probed values to the selected data file.



The **PROGRAM** icon activates the appropriate post processor for the selected part family. The post processor reads selected data file(s) and wheel geometry. A CNC program is produced and is ready for download or activation.



The **ACTIVATE PROGRAM** icon transfers the newly created CNC program to the machine control, via DNC or HSSB link, and makes it the active program. *Note: The Huffman Open Architecture Control (OAC) does not require a DNC link.*



The **NET COPY** icon enables the user, once configured, to copy a CNC program to a predefined directory on the user's network.



The **AUTO RUN** icon enables the user to initiate combinations of the **PROBE**, **PROGRAM**, and **ACTIVATE** functions with the touch of a single button.



The **OPERATOR ASSIST** icon enables the selection, download and/or activation of prewritten utility CNC programs. Both Huffman and/or customer can provide these utility programs. Typical programs are for machine calibration, probe calibration, wheel truing, machine warm up, and axis shutdown positioning.



The **OFFSETS** icon enables the user to save and restore CNC work / fixture offsets. Offsets are saved into a file, the name of which can be associated with a particular data file, part number, job number or setup. The next time that job is run, the user can restore the saved offsets with a click of a button. This feature dramatically reduces change-over time.



The **TOOLING** icon permits access to seldom-modified machine parameters shared by all part families. These typically involve fixtures, wheel truing, or probing.



The **FILE MANAGER** icon activates the MAVIS file manager window, from which files can be moved, copied, renamed, viewed, and deleted. CNC program files can be edited and part families can be further divided in subclasses according to end user requirements.



The **WHEELS** icon enables the user to activate, generate, view, modify, and manage multiple grinding wheel configurations. These configurations include single and multi-wheel setups (wheel packs) as well as wheel wear offset values. *Note: Wheel wear offset management is available for Huffman OAC and FANUC controls only.*



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