



Boxford Ltd

'CAD/CAM DESIGN TOOLS' SOFTWARE UPGRADE

Please find enclosed Version 3 of Boxford 'CAD/CAM DESIGN TOOLS' software and associated machine/software manuals. This upgrade includes a host of incremental improvements and a number of significant new features designed to give your Boxford machine(s) greater versatility and increase production throughput. These include: -

- **3D-GeoCAM – Solid Model Import Wizard** – Allows STL files to be imported from major Solid Model CAD packages (e.g. Pro/DESKTOP) and, using advanced machining strategies, automatically creates a G&M manufacture program. The advantages over simple raster based packages are improved component quality and optimised roughing cutter paths reducing cycle time.
To access the 3D-GeoCAM wizard, select 'File – Import – Import 3DGeoCAM' from the front-end menu.
Note:- The educational version of ArtCAM does not have the ability to save files in .STL format.
- **Image Relief – 3D Photo Engraving Import Wizard** – Allows any image in JPEG or BMP formats to be imported and machined from Acrylic (Plexi Glass) to produce a 3D 'hologram' type image when backlit.
To access the Image Relief wizard, select 'File – Import – Import Image Relief' from the front-end menu.
- **Batch Manufacture** - increase productivity on all new or upgraded machines fitted with the fast control (machines that have the "i" suffix in the model number). *Batch Manufacturing* allows multiple programs, which share a common material thickness, to be manufactured in a single operation with each file being loaded and machined sequentially.
To access Batch Manufacture, select 'File – Batch Manufacture' from the front-end menu.
- **Network FTP Queue** - allows G&M programs to be transmitted via a LAN, using the TCP/IP protocol, to the computer running the Machine Tool where they are held in a machining queue.
To enable this feature, the 'Enable TCP/IP File Transfer' option in the 'Preferences – Communications' dialogue and set the appropriate IP addresses as described in the 'Machining – FTP network queue' section of the software help and machine manuals.
To access the Network FTP options, select 'File – Network FTP' from the front-end menu.

Software Installation - To upgrade your installation, and benefit from these new features, insert and run the 'CAD/CAM DESIGN TOOLS' CD (for Remote Server installations, use the '*NetAdmin*' utility and select the red arrow). A screen is shown displaying three options. Select the '**REPAIR**' option. The installation will automatically be updated.

Mill Design Installation (Techsoft) – To complete this upgrade you will need your 'Techsoft Mill Design' Registration Floppy Disk, supplied with your original 'CAD/CAM DESIGN TOOLS' CD. Insert the disk and the new 'CAD/CAM DESIGN TOOLS' CD. If the CD Auto runs, cancel the installation. Browse the CD and locate the \TecSoft folder. Run the setup file, ensuring the installation path is set to the location of the original installation (where the file mildes32.exe is located).

Machine Upgrade - If you have an A3HSRi, 190VMCi, 190VMCxi or 300VMCi, the machine Firmware MUST be upgraded to enable the new features. This procedure is detailed in the 'Maintenance – Installing New Machine Firmware' section of the software help and machine manuals.

Note:- the Flash.exe file, described in the software help and machine manuals, can also be run directly from the \Firmware\Programmer directory on the 'CAD/CAM DESIGN TOOLS' installation CD.

A3HSRi – identify the makers name on the red guard switch of the machine. For *Berntein* switches select the file 'a301' if prompted and for *Guardmaster* switches, select the file 'a302'.

190VMCxi – select the file 'vm301' if prompted.

190VMCi (upgraded machines) – select the file 'vm201' if prompted.

After-sales support of this nature is something quite unique to Boxford and we hope you enjoy the benefits that this major, no cost, software upgrade brings.

You may also be interested to know that by, popular request, Boxford can now upgrade Non-Boxford machines to use CAD/CAM DESIGN TOOLS. Our Denford Novamill upgrade is available now. Please enquire for further details.