

OPTIONS

Motion

- Theta-Axis
- Tilt-Axis, single pneumatic
- Tilt-axis, single servo
- Tilt-axis, dual pneumatic
- Tilt-axis, dual servo

Material handling

- Manual Tool-holder
- Conveyor-effector for in-line operation

Solder Management system

- Wave solder nozzle 75 mm
- Solder pot warming station

Flux

- Spray-Flux
- Drop-Jet flux
- Ultrasonic flux
- In-Line Fluxing
- Multiple flux chemistries

Pre-heat

- In-Line IR

Other

- Witness Camera
- Fiducial vision alignment
- Barcode reader
- Laser height Gauge



SOFTWARE DESCRIPTION:

The Windows software is easy to learn yet very functional. The user builds a script file by selecting the commands required from a menu. When completed, the script file is executed, controlling all motion and processes. Commands are contained in four classes: System, Motor, Inputs, and Outputs. System commands include sub-routine calls, IF statements, dwells, and repeats. Motor commands include a variety of commands that initiate or configure motion. The software can logically link up to four axis' to produce linear interpolated motion. The Input and Output sections allow for checking input states, toggling output states, and configuring the names of each I/O point. These names can be user defined depending on the function.

The software can create, teach, and store an unlimited number of location points in the database. The motion commands can then recall these points and move to any one of them. The motors can be put into jog mode for the purpose of checking and teaching points. The system can typically be programmed in 15 minutes. An unlimited number of script files can be stored on the computer hard disk.

I/O and new move commands can be issued while axis are in motion, making the machine multi-tasking.

The software program features password protection, including multiple levels of access in order to provide system integrity.

