NEE Controls. AMC Digitize (teach Mode) option menus Aug 2003

The AMC digitize feature enables job programs to be taught to the AMC and retained. The feature is only available when the AMC interface mode is set to GPS or JLS. Digitized programs may be uploaded to a PC running NEE Graphical Programming Software 'GPS', or Job Layout Software 'JLS' for editing and saving.

Graphic

Digitize	Symbol Type = Graphic	**Graphic**	on [Esc]	Dig 'n' Mode Move To	**Move Mode**	Move mode switches between 'Linear', 'Arc' and 'Move To' on each [F1] key

To digitize a graphic the user sets the Move Mode to Linear, or Arc, or Move To, then jogs the machine X and or Y axes to the next position to be digitized. Pressing [Digitize] stores the position in AMC memory. Arc movements require two digitized positions, a position on the arc and the arc end point. Feed %'s may be entered for XY axes using the [Feed] and numeric keys for linear and arc movements. The process is repeated until all points have been digitized. Once the process is complete the program can be executed as many times as required.

Upload			AMC transmits current program to PC - PC must be running GPS or JLS
Exit	Save Symbol	**Yes**	Ends Digitize sequence, digitized program is saved in AMC memory
	Dig 'n'	**No**	Ends Digitize sequence, digitized program is discarded

Profile

Digitize	Symbol Type = Profile	**Profile**	on [Esc]	Dig 'n' Mode Move To	**Move Mode**	Move mode switches between 'Linear', 'Arc' and 'Move To' on each [F1] key

To digitize a profile the user sets the Move Mode to Linear, or Arc or graphic, then jogs the machine axes to the next position to be digitized. Pressing [Digitize] stores the position in AMC memory. Arc movements require two positions, to be digitized, a position on the arc and the arc end point. . Feed %'s may be entered using the [Feed] and numeric keys for linear and arc movements. The process is repeated until all points have been digitized. Once the process is complete the program can be executed as many times as required.

Tool Down			A Tool Down command is inserted into the program being digitized
Dwell			User enters the required dwell using AMC numeric keys followed by [Enter]
Upload			AMC transmits current program to PC - PC must be running GPS or JLS
Exit	Save Symbol	**Yes**	Ends Digitize sequence, digitized program is saved in AMC memory
	Dig 'n'	**No**	Ends Digitize sequence, digitized program is discarded

Profiles additionally permit the following commands to be digitized: up to 6 axes positions (dependant of controller and setup); Analog levels in % only (using AMC front panel keys); AMC Input levels (using AMC front panel keys - requires user inputs to be named in AMC setup); AMC Output level (using AMC front panel keys - requires user inputs to be named in AMC setup).

Notes. To execute digitized Z axis moves the control must be set to operate in 3D mode. Moves will be executed as digitized and in absolute mode only. Digitized programs already existing in AMC memory can be added to using menu options presented when after the Graphic or Profile mode is selected