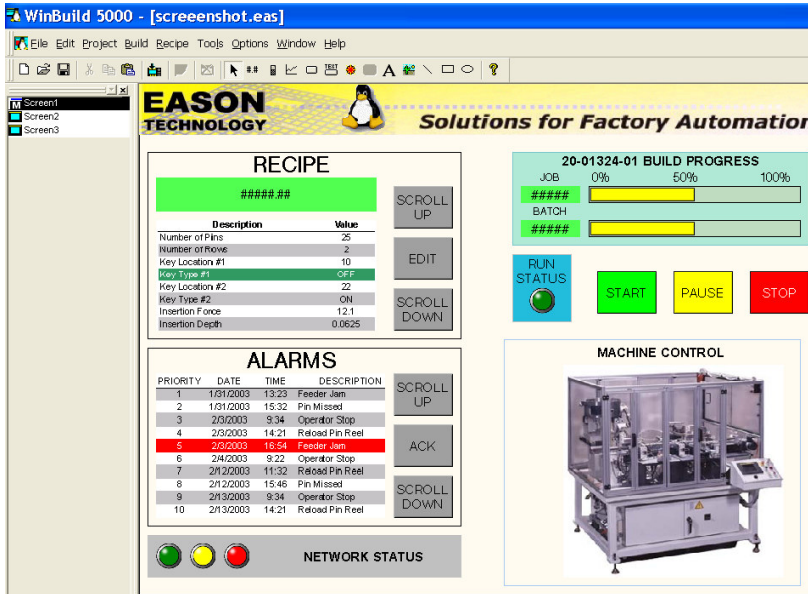




WinBuild 5000 HMI & Control Builder Software



Included Drivers:

Modbus (Serial RTU and Ethernet TCP)

Allen-Bradley SLC & MicroLogix

Galil DMC (PC104, Ethernet and Serial)

Automation Direct (DirectNET)

ESA Tech 6500 Family IO Modules

ESA 6104 Motion Controller

WinBuild 5000 is the software package used to configure and program your ESA Tech 5000 Family product. Not only does WinBuild 5000 help you to build your HMI, but it adds application control as well. Many HMI application functions are standard features in WinBuild 5000 -- however you can use then use the available Psuedocodes (macros) and BASIC features

to customize your application further. With many built-in PLCs, motion controllers, or other serial devices is simple. Using WinBuild 5000 is easy with the familiar Windows point-and-click environment. The onscreen display allows you to build your application just as you want it to appear. Quick pull-down menus and tabs allow you to

quickly configure your system. WinBuild 5000 has an extensive help system built in. It also has an easy-to use interface with a dockable tool bar with most functions just one click away. Add lines, boxes, indicators, text, buttons, super buttons, subscreens, custom pop-ups and your own bitmap graphics.

Winbuild 5000 makes programming easy

Use Pseudocodes to increase functionality.

No need to learn a new complex programming language.

Included drivers for many popular brands of devices makes setup and communicating to devices easy.

All drivers are included with software.

Customize further with your own BASIC code.

Syntax checker assists in eliminating programming errors.

Wizards step you through creating up recipes and alarm tasks.

Site license allows programming of multiple units.

	Tag Name	Source	Address	Type	Default
11	PART POS8	Recipe Engine	VW	Word	0
12	PLCQuantity	MicroLogix/SLC500 - C	C5:0.pre	Word	0
13	PARTS COMPLETE	MicroLogix/SLC500 - C	C5:0.acc	Word	0
14	PARTS REMAINING	MicroLogix/SLC500 - C	IN7:0	Word	0
15	BAD PARTS				
16	COUNTER RESET				
17	CounterDone				
18	MACHINE SLOW DOWN				
19	PART TRANSFER				
20	Alarm Status				
21	PartState				

WinBuild 5000's Tag Table keeps track of project variables

BASIC Pseudocode Editor makes it easy to add customized functions and BASIC code to objects in your application.

```

Code For Current Object
REM READ IN FROM THE PORT
COM: GET COM 1 TAG JUNK$

REM MAKE SURE WHAT CAME BACK IS VALID- TAKE FIRST 4 CHARACTERS OF RESPONSE
VALID$=LEFT$(JUNK$, 4)

REM THE #10 CONFIRMS A TRANSMISSION
IF VALID$="# * 10" THEN
  STATUS=1
  MESSAGE=0
ENDIF

REM THE #10 AFFIRMS A COMMAND & INCLUDES RESPONSE DATA
IF VALID$="# # 10" THEN
  STATUS=1
  MESSAGE=0
ENDIF

Subroutine: EATCHR
New Pseudocode
COM: GET COM port NUMBER OF CHARACTERS character TAG tag
COM: INIT
COM: PURGE COM port BUFFER
COM: PUT COM port VALUE expression
COM: PUT COM port VALUE expression RESPONSE tag
COM: PUT COM port VALUE expression VALUE expression
COM: PUT COM port VALUE expression VALUE expression RESPONSE tag
GET DRIVER STATUS driver tag
  
```

Features:	Benefits:
PLC & Motion drivers for many brands	Hardware setup is quick, and communication is easy!
Recipe Manager	Store groups of setup or part information for easy retrieval, editing, saving, and archiving.
Build Application Onscreen	Easily design large, informative, graphical displays.
Pseudocodes	Expand application functionality without learning a new programming language.
Networking	Share data to other ESA displays, other devices, or to a host PC via Ethernet. Download & monitor remotely via Ethernet.
Tag Table	Set up data & keep track of all your application information in one table.
Non Volatile Data Storage	Store information in battery-backed memory, immune from power cycles.
Report Generator	Document your application, generate screen shots for manuals, presentations. Use report for debugging during development.
BASIC Scripting	Customize your screens with math, scaling, logic and decision making capabilities.
Timers	Create code that gets executed on a regular, timed basis. Recurring and one-shot timers available.
Easy Licensing	Upgrades are free, and no per-unit license charges.

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