



WinBuild 2000 is the software package used to configure and program your Eason 2000 Family product. Not only does WinBuild 2000 help you to build your HMI, but it adds application control as well. Many HMI application functions are standard features in WinBuild 2000- however you can use then use the available Psuedocodes and BASIC features to customize your application further. With many built-in drivers, communication to PLCs, motion controllers, or other serial devices is simple.

Using WinBuild 2000 is easy with the familiar MS-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 2000 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, function keys and your own bitmap graphics.

Included Drivers:

- Animatics Smartmotor
- Emerson Axima, Epsilon & E series
- Modicon Modbus RTU
- Allen-Bradley SLC & MicroLogix
- GE SNP-X, GE 90-30
- Aromat FP
- Mitsubishi FX
- Parker Compumotor 6K
- Parker Gemini (serial and binary protocols)
- Galil DMC (PC104)
- Galil DMC (External Serial)
- Omron Hostlink
- IDC Ideal & Impulse Drives
- Indramat CLC, PPC, DKC
- Koyo (Automation Direct)
- Emerson Axima & E series
- Generic Modbus RTU
- Yaskawa MEMOBUS
- Quicksilver Silvermax
- Eason PC104 Expansion (Digital and analog I/O, counter cards)

Winbuild 2000 makes programming easy

Use Pseudocodes to increase functionality.

No need to learn a new complex programming language.

Built-In drivers for many popular brands of devices makes setup and communicating to devices easy.

Customize further with your own BASIC code.

Code debugger assists in eliminating programming errors.

Wizards step you through creating up recipes and alarm tasks.

PLC Contact and Register Setup

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

WinBuild 2000's Tag Table keeps track of project variables

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

Basic Editor

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

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

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New Pseudocode
COM GET COM port NUMBER OF CHARACTERS character TAG tag
COM: GET COM port 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
  
```

Screen Objects Subroutines Tasks

OK

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 Eason interfaces or to a host PC via serial, or 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.
Alarm Wizard	A built-in wizard steps your through the process of creating a background task that monitors and tracks alarm situations.
Timers	Create code that gets executed on a regular, timed basis. Recurring and one-shot timers available.

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Requirements:
Pentium 200
64MB RAM
CD-ROM

EASON
TECHNOLOGY