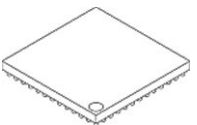
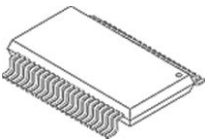
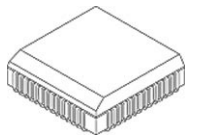


- Stand-Alone Universal Production Programmer
MultiMax-16G / MultiMax-8G
- USB Interface Concurrent Programming System
ProMax-8G / ProMax-4G
- USB Interface Development Programmer
TopMaxII / UniMax / ChipMax2
- Automated Programming System
AutoMax1600 / 3200 / 6400
- Programming Accessories
EPROM Emulator / Programmer Adapters



Committed to **Excellence** in Device Programming Tools and Customer Support



In 1992, EE Tools, Inc. started manufacturing a line of low-cost device programmers with an emphasis on MOS programming. Our focus then broadened as we began to develop a series of bipolar memory and logic programmers to complement the earlier products. Since then we have grown to become one of the most well-known universal device programmer manufacturers worldwide. The EE Tools family of professional Universal Programming Systems provides programming solutions for most of the latest in programmable device technologies. Our recent introduction of MultiMax, a production universal device programmer that supports most of programmable integrated circuit devices, allows engineers to utilize the most complex and cost-effective NAND Flash memory technology. MultiMax also makes this breakthrough technology affordable and user-friendly, permitting semiconductor device manufacturers and high-tech consumers alike to benefit from its acceleration properties.

Now, EE Tools is pleased to introduce ProMax, one of our innovative concurrent programming systems, and a product destined to become a high-yield production programming solution. If you are interested in cost-effectiveness and increased performance efficiency, ProMax (4-gang / 8-gang) is a must-have. If you are already equipped with EE Tools technology, ProMax is a very worthwhile upgrade. EE Tools also recommends TopMaxII and ChipMax2, products with similar features to ProMax but designed to meet different customer demands.

Today, our business is developing, marketing and supporting a complete line of products that give the best price to performance return in the industry. From our headquarters in Santa Clara, California a network of distributors and representatives around the globe, we are able to keep on top of ever expanding device programmer market, and provide you, the customer, with the finest products and support.

Engineering Programmers

HI-SPEED
CERTIFIED **USB 2.0**

MuTiMax-1G

The cutting edge universal 1 socket stand-alone programming system offers you a development tool for most universal devices.



TopMaxII

TopMaxII is one of our finest products to date and a product destined to become industry standard. If you are interested in cost-effectiveness and increased performance efficiency, TopMaxII is a must-have. TopMaxII programs 128-Mbit 16-bit word Flash Memory in 2 minutes via a USB port on your PC. The operating software features TopMaxII programmers in the multiple-programming mode for high volume production purpose. The concurrent programming feature will allow the user to program all devices in its library simultaneously and in a gang mode.

Product Highlights:

Universal device support includes the latest NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, PAL, Bi-polar PROM, and Microcontrollers; Tests TTL/CMOS Logic IC, SRAM/DRAM

Low voltage support down to 5, 3.3, 2.7, 1.8, 1.5 V; Unbeatable programming speed

Textool 48 pin ZIF standard

Blank / Program / Verify 64-Mbit Flash memory in 85 sec.

Start-key for AUTO programming mode

Support USB 2.0 for high-speed data transmission with Windows 98/Me/2000/NT/XP



UniMax

UniMax is the latest universal programmer from EE Tools, Inc. It utilizes the same design as TopMaxII, but by eliminating some of TopMaxII's extra components, minimizes product cost. It programs a 64Mbit (AM29LV641) flash memory in 42 seconds.

Product Highlights:

Device Programmed: EPROM, EEPROM, Serial PROM, NAND Flash, Standard Flash, PLD, GAL, EPLD, EEPLD, FPLA, PIC(12,16,17,18), MCU(87,89,HC711,HC705, HC908) and other popular Microcontrollers; Tests TTL / CMOS, SRAM / DRAM

Low voltage support down to 5, 3.3, 2.7, 1.8 V

Blank / Program / Verify 64-Mbit Flash memory in 85 sec.

Start-key for AUTO programming mode; Textool 48 pin ZIF standard

Support USB 2.0 for high-speed data transmission with Windows 98/Me/2000/NT/XP



ChipMax2

ChipMax2 is a cost-effective, high quality industrial-grade device programmer with USB port that is suitable for most programming needs without using any extraneous personal family modules. . As many as eight ChipMax2 programmers can be connected together, controlled by a single PC with no loss of programming speed, reliability or performance. Each programming site is completely independent of the rest.

Product Highlights:

Support universal devices (over 7500)

Available for concurrent program mode up to 8 units in a PC

Low voltage support to 5, 3.3, 2.7, 1.8 V

Blank / Program / Verify 64-Mbit Flash in 85 sec.

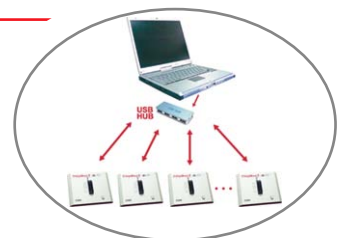
Start-key for AUTO programming mode; Textool 48 pin ZIF standard

Support USB 2.0 for high-speed data transmission with Windows 98/Me/2000/NT/XP



One PC with Multi-programmers

Special Maxloader features, allow up to 8 USB-interface programmers(TopMaxII, UniMax, ChipMax2) in the multiple-programming mode to be connected to a USB HUB for high volume production purposes. The concurrent programming feature will allow the user to program all devices in its library simultaneously and in a gang mode and the fault-tolerant architecture allows the programmer to continue production, even if one of the programmers should fail.



Production Programmers

AutoMax

The AutoMax programmer with a high-speed handler, emphasizes ease-of-use with its full-featured embedded OS and straightforward operator interface. This cost-effective product gives customers the benefits of moving from outsourcing to inline device programming. The AutoMax programs the leading Samsung NAND Flash Memory devices at minimum programming times.

Product Highlights:

High-Speed Universal Programming System

Up to 4 of 16-gang Programming Sites

Tube-to-tube or tray-to-tray operation

Universal Devices for Flash Memories, E(E)ROM, NAND Flash, MCU, GAL, EPLD, CPLD, FPGA....

UPH: 900 devices per hour

High-speed linear motion track: 5m/s

User-friendly interface system

Windows operation with touch screen

Supervisor and operator mode for Safety system

Supports Package BGA, CSP, TSOP, and sTSOP...

Suitable for manufacturing Pick & Place handler programmer or bench-top internal

PC-controlled Pick & Place system



MultiMax

MultiMax is the most innovative and cost effective production programming solution on the market. MultiMax supports a wide variety of programmable devices. Its state-of-the-art technology and high-speed programming algorithms optimize throughput, reliability and yields. MultiMax is designed specifically for high speed/high density universal device programming, with 32bit RISC CPU system that can operate either stand-alone or under the control of a PC with a USB port.

Product Highlights:

Universal device support includes the latest NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, and Microcontrollers

8-, or 16-gang programmer offers high throughput with outstanding yields

Built-in 256 Mbit RAM buffer expandable to 1,536 Mbit

Low voltage support down to 1.5 V

Blank / Program / Verify 8 or 16 of 128-Mbit (16-bit) flash memories in 142 seconds

Stand-alone operation with menu-driven keypad (23 keys) & 40x8 character LCD

Intelligent PC remote operation with powerful GUI software

Stand-alone or PC operation via USB port for high-speed data transmission

Supports Windows 98/Me/2000/NT/XP



ProMax-4G / ProMax-8G

ProMax-4G(8G) programs four(eight) devices simultaneously with speed to meet high volume production requirements. Typical programming/verification time for four AM29VL641's is less than 55 seconds. This is a true low-price production oriented system. The ProMax meets the demands of today's programming solution for lab and production line applications.

Product Highlights:

Universal device support includes the latest NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, and Microcontrollers

4 or 8 multi-site programmer offers high throughput with outstanding yields

Textool 48 pin ZIF standard

Low voltage support to 5, 3.3, 2.7, 2.2, 1.8, 1.5 V

Blank / Program / Verify 4 or 8 64-Mbit flash memories in 85 seconds

Individual Start-key for concurrent programming

USB port for high-speed data transmission

Supports Windows 98/Me/2000/NT/XP



High-speed Universal Programmer for PC-Parallel Port

TopMax

TopMax is the most popular programmer in the EE Tools inventory. This reliable and low cost universal programmer is the ideal unit to handle development for a wide variety of programmable devices.

Product Highlights:

Devices programmed : PAL, PROM, Bi-polar, EPROM, EEPROM, Serial PROM, NAND Flash Memory, Standard Flash Memory, EPROM, EEPROM, Serial PROM, EPLD, FPGA, PEEL, and Microcontrollers(PIC,87,89,68HC family devices)

Devices Tested : TTL/CMOS Logic IC, SRAM/DRAM

Low voltage support to 5, 3.3, 2.7, 1.8 V

Textool 48 pin ZIF standard

Supports Windows 98/Me/2000/NT/XP



ChipMax

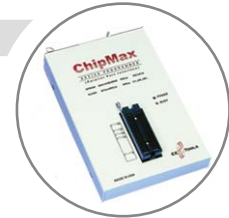
ChipMax is a cost-effective and high performance device programmer with a standard parallel port. The state-of-art hardware architecture with an on-board FPGA enables ChipMax to support high-density EPROMs, EEPROMs, Flash, PLDs, and Microcontrollers in DIP (Dual Inline Package) without adapters.

Product Highlights:

40 Pin Socket Standard, Compact size for field service

Reliable hardware (No fan is required in the circuit)

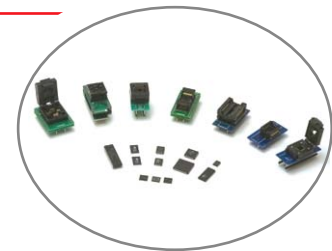
User friendly software interface for Windows 98/Me/2000/NT/XP



Programmer Accessories

Programming Adapters

Programming adapters allow PLCC, QFP, TQFP, VQFP, TSOP, TSSOP, SOIC, SON, BGA, uBGA, EBGA, and CSP devices to plug into the same device's DIP footprint. These adapters are available for EPROM, Flash Memory, NAND Flash, PLD, GAL, and Micro-controller for all device programmers.



ROM Emulator

EeRom-8U

EeRom-8U ROM Emulator can emulate many types of memory such as EPROM, Flash-ROM, EEPROM, and NVRAM. EeRom-8U ROM Emulator can be best described as a "memory emulator". As well, EeRom-8U can properly operate with a user's board when using an 8bit/16bit/32bit data bus. EeRom-8U ROM Emulator is adapted to the USB interface, providing for a communication speed much faster than that facilitated by parallel ports.

Product Highlights:

High speed USB interface (Supports Plug & Play)

Data download speed: 1M Byte (8M bit) / sec.

Supports 8bit data bus by itself

Supports both 3.3V and 5V target power

Supports EeRom-8U without outside electric power supply

Convenient software environment: supports Windows/95/98/Me/2000/XP

Supports hex (Intel/Motorola type), binary file format



