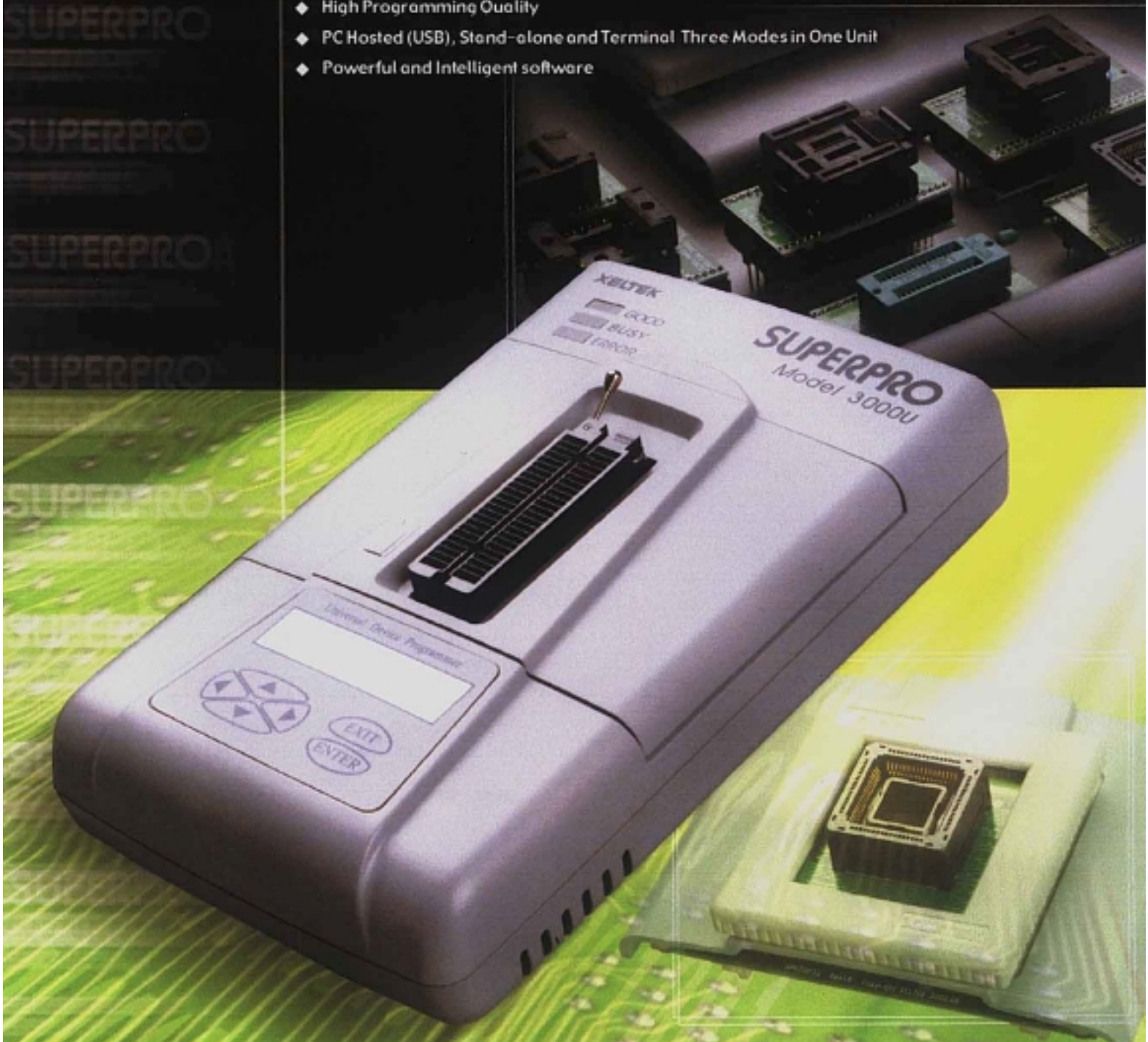
SUPERPRO®/3000U

USB Interfaced Ultra-high Speed Stand-alone Universal Device Programmer

- Programs and Verify 32Mb Flash Memories Within 18 Sec.
- Up to 100 Pins Universal Pin-drivers
- Supports 11,000+ Devices including 1.5V devices
- High Programming Quality
- PC Hosted (USB), Stand-alone and Terminal Three Modes in One Unit
- Powerful and Intelligent software



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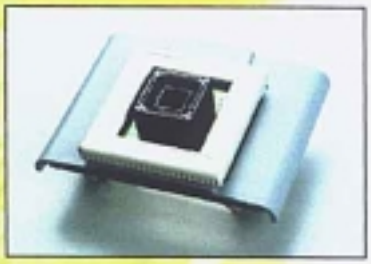
XELTEK ELECTRONICS

/Quality /Performance /Speed /Service

SUPERPRO® /3000U

USB Interfaced Multi-application High-speed Universal Device Programmer



FEATURES

- Programs high-density Flash memory devices at near theoretical minimum programming times (Programs and Verifies Intel 28F320W18, 32Mb, in 18 Sec.)
- Universal pindrivers up to 100 pins
  - Standard universal 48 pindrivers support devices down to 1.5 volts.
  - 100 pindriver expander module (option), PEP3000, allows for programming of devices with up to 100 pins.
  - Universal pindriver architecture up to 100 pins makes it easy to develop device algorithms and to locate socket adapters.
- Advanced hardware features
  - Advanced hardware design minimizes ground bounce noise enabling programming of low voltage, down to 1.5 volts,
- devices reliably.
  - Only IC manufacturer approved programming algorithms are used for high reliability.
  - ± 5% and ± 10% Vcc Verification enhances programming reliability.
- Supports 11000+ devices from 100+ IC manufacturers including MEMORY、MCU、and PLD.
  - Free software updates via Internet. New device updates released monthly.
- Designed for multi-applications, three modes of operation are supported.
  - Standard PC hosted operation for R&D and Engineering.
  - Stand-alone operation for manufacturing or service. Built-in keyboard and LCD display provides for local operation.
  - Terminal mode to operate via an external instrument such as IC handler, terminal, or controller.
- Pin continuity and wrong chip insertion check prevent chips from accidental damage.
- Over-current and over-voltage protection for safety of the chip and programmer hardware.
- WINDOWS 98/ME/NT/2000/XP compatibility
- New user-friendly and powerful software with many new functions.
  - Project function simplifies processes such as device selection, file loading, device configuration setting, program option, and batch file setting into one touch step.
  - History of device selection and file loading simplifies user operation.
  - Batch command combines device operations like program, verify, security into a single command at any sequence.
  - Auto Start Batch command begins to program a chip automatically as soon as the chip is inserted.
  - Serial numbers can be generated and programmed onto a chip.
- Clustering of programmers provides for flexible and easy way for volume production programming. Several units work together in stand-alone mode to provide an environment for volume programming. Advantages over traditional gang programming are:
  - Flexible and expandable Start with one unit and add more units as the need arises.
  - Less downtime In case of a failure of a unit, other units continue to operate
  - Concurrent programming Each chip begins to program as soon as a chip is inserted into a socket.
  - 11,000 devices supported Device updates are quick and easy.

SPECIFICATIONS

Devices Supported:

EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA Configuration Serial PROM, FLASH Memory (NOR and NAND, BPROM, NOVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic.

Socket Adapter Supported:C Interface:

DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VQFP, TSOP, TSOPII, SOP, P SOP, TSSOP, SON, EBGA, FBGA, VFBGA, μ BGA, CSP, SCSP etc.

- PC Interface: USB
- Stand-alone mode operation Storage Media: Compact FLASH Card(option)
- Items included: Main programming unit, DIP48 pin socket Module, AC Power adapter, CD-ROM, User's Guide, USB Cable
- Optional Accessories: PEP3000 Pin-driver Expansion Pack, Socket Adapters, Compact Flash Card

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