



烧录方案解决专家专注烧



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(高級系列) SUPERPROJECT (MARK!)

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全自动编程器

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SHOSE有特別政策、最多15個名於 SHOS美特別系統、最多72個名所 SOAAN與基礎型自然政策。

025-6816 1233

www.xeltek.com

Company Overview

Xeltek is a global, high-tech company and leader in delivering a wide range of professional systems dedicated to online / offline IC programming. Having been the world's first leading provider of manual and automated device programming systems for Flash, Microcontroller, and Logic devices since 1992, Xeltek's scope remains focused on quality, support, and performance to help customers reach excellence in manufacturing and product integrity.

Xeltek continues to invest in innovative and modern solutions while connecting with more and more countries from around the world. Xeltek's vision is to become a reference point in the serial programming field by providing customers with sophisticated products and service at an affordable price. Advanced automated programming solutions will help customers meet the highest production standards while reducing errors and shortening time-to-market.

With over 110,000 devices supported and more than 460 relationships to IC manufacturers, Xeltek maximizes their location in the heart of Silicon Valley, USA to build a sturdy infrastructure of support, expertise, and partnerships. Also equipped with a dedicated team of engineers, technical support is largely accessible and swift so customers can have peace of mind alongside their investment.



SuperBOT Key Features and Benefits



Embedded hardware with Xeltek's SuperPro® high-speed universal device gang programmers, SuperPro® 7500 or SuperPro® X108



Short change over time: socket positioning performed automatically, projects can be loaded with barcode scanning, change I/O devices and socket adapters effortlessly.



High precision servo drive system, downward CCD camera for sockets and accurate pick and place positioning



Powerful and intelligent software with graphical interface. Setup data saved for next operation. Software includes resourceful log table, quality tracking, authorization, and more.



Various I/O peripherals supported: manual tray (standard equipped), auto tray device, tape-out device, electric tape-in feeder, tube-in, tube-out, laser marker, tape/tray ink marker.



Remote control via LAN operation: remote project loading, quality monitoring, volume control, and file security.



Largest device library with over 100,000 devices supported and growing daily as well as strong ties to over 460 IC manufacturers making updates easy.



24/7 free tech support for the first 5 years through several communication channels such as email, phone, video chat, or direct messaging. Expert engineers ready to assist from both China and USA.



SuperBOT 2

Up to 1,200 units per hour | 4-16 sockets

- Xeltek's longest-standing automated programmer with enduring reliability
- Built-in hardware: 4 high-speed universal programmers, SuperPro® 7500s
- ARM11 32bit MCU combined with an internal Linux operating system for optimal performance
- Supported devices: EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA,
 Configuration PROM, GLASH memory (NOR & NAND), BRPOM, NVRAM, SPLD,
 CPLD, EPLD, Firmware HUB, Microcontroller, MCU, and more
- Supported packages: DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VQFP, TSOP,
 SOP, TSOPII, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, uBGA, CSP, SCSP, and more
- Tape, tube, tray I/O and laser and ink dot marking all supported
- PC interface: USB 2.0, LAN
- Built-in Industrial PC with OS Windows 7, 19" LCD display, keyboard, and mouse
- Chip size: 2mm 25mm





SuperBOT 4

Up to 600 units per hour | 4-16 sockets

- Popular for its compact, tabletop design that can fit in any working space
- Built-in hardware: 4 high-speed universal programmers, SuperPro® 7500s
- ARM11 32bit MCU combined with an internal Linux operating system for optimal performance
- Supported devices: EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA
 Configuration PROM, FLASH memory (NOR & NAND), BPROM, NVRAM, SPLD,
 CPLD, EPLD, Firmware HUB, Microcontroller, MCU, and more
- Supported packages: PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VWFP, TSOP, SOP, TSOPII, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, uBGA, WLCSP, SCSP, and more
- Tray I/O supported with built-in low noise vacuum generator
- Chip size: 2mm-25mm



SuperBOT 5a, 5e

2,100-2,500 units per hour | 16-32 sockets | dual and quad pick and place nozzles

- Recognized for its remarkable speed, performance, and maximum throughput
- Built-in hardware: 4-8 high-speed universal programmers, SuperPro® 7500s
- ARM11 32bit MCU combined with an internal Linux operating system for optimal performance
- Supported devices: EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA
 Configuration PROM, FLASH memory (NOR & NAND), BPROM, NVRAM, SPLD,
 CPLD, EPLD, Firmware HUB, Microcontroller, MCU, and more
- Supported packages: PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VWFP, TSOP, SOP, TSOPII, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, uBGA, WLCSP, SCSP, and more
- Tray, tape, tube I/O and laser and ink dot marking all supported
- Built-in industrial PC with OS Windows XP, 19" LCD display, keyboard, and mouse, PC interface: USB 2.0, LAN
- Chip size: 2mm-25mm



SuperBOT 5X, 5Xe

2,000-2,500 units per hour | 32-48 sockets | dual and quad pick and place nozzles

- Designed to take on the toughest jobs and recommended for high density chips such as for eMMC, NAND/NOR Flash, and SPI Flash
- Built-in hardware: 4-8 high-speed universal programmers, SuperPro® X108s
- ARM11 32bit MCU combined with an internal Linux operating system for optimal performance
- Supported devices: EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA
 Configuration PROM, FLASH memory (NOR & NAND), BPROM, NVRAM, SPLD,
 CPLD, EPLD, Firmware HUB, Microcontroller, MCU, and more
- Supported packages: PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VWFP, TSOP, SOP, TSOPII, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, uBGA, WLCSP, SCSP, and more
- Tray, tape, tube I/O and laser and ink dot marking all supported
- Built-in industrial PC with OS Windows XP, 19" LCD display, keyboard, and mouse, PC interface: USB 3.0, LAN
- Chip size: 2mm-25mm



SuperBOT 6

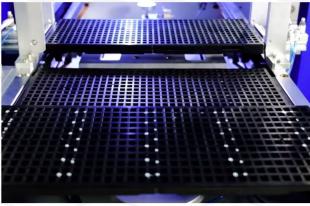
Up to 1,600 units per hour | 4-16 sockets | dual pick and place nozzle

- Prepared to take on any tape and reel production job with a built-in adjustable automatic tape in/out handler (tape width 8-32mm)
- Compact size and smaller footprint compared to SB 5 series models
- Built-in hardware: 4 high-speed universal programmers, SuperPro® 7500s
- ARM11 32bit MCU combined with an internal Linux operating system for optimal performance
- Supported devices: EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA
 Configuration PROM, FLASH memory (NOR & NAND), BPROM, NVRAM, SPLD,
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 TSOPII, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, uBGA, WLCSP, SCSP, and more
- Built-in industrial PC with OS Windows XP, 19" LCD display, keyboard, and mouse, PC interface: USB 2.0, LAN
- Chip size: 2mm-25mm



SuperBOT Accessories









- Manual Tray (standard equipped): One tray each time, change tray manually
- Tape-out device: Heat sealing and pressure sealing modes, tape width adjustable between 8mm-32mm
- **Tape-in device**: Electric tape feeder, tape width between 8mm-32mm applicable
- Auto tray device: Moves blank tray in and passed tray out of the machine automatically, marking the tray (optional).
 Stack up to 20 JEDEC trays
- **Tube-in device**: Moves chips in the machine, chip guider for different chip width optional
- Tube-out device: Moves chips out of the machine, chip guider for different chip width optional
- Tape ink-marker: An attachment to the tape-out device, place an ink dot to mark the chip
- Auto tray ink-marker: An attachment to the auto tray device, scan and mark chips with dots on the passed chips
- Laser marker: An optional attachment to the tape-out or auto tray device, marks up to 4 characters on passed chips



Case Study: Z-Axis Inc.

Z-Axis Inc, an electronics design and manufacturing firm based in New York, USA, started with Xeltek's first generation SuperBOT 1, progressed to SuperBOT 3 now discontinued, and just recently upgraded to SuperBOT 5e.

The company trajectory of Z-Axis Inc. is a testament to their resiliency as a business in adapting to meet consumer trends. Founded in 1989 as a manufacturer of industrial CRT-based displays for military and medical instruments, Z-Axis Inc. faced a crossroads with the advent of LCDs and aptly pivoted to high-tech electronics manufacturing and contract design and production.

Over the years, the company has seen growth in both profitability and workforce, advancing from manual programming to automated programming to reach a larger clientele, and landing most recently with the advanced SuperBOT 5e with satisfaction and success.





Robotic IC programming reduces cost and turn-around time for custom-programmed microprocessors and memory chips used in printed circuit board assemblies made in the USA.



Cont'd Case Study: Z-Axis Inc.

May 14, 2021 – Z-AXIS, Inc. (www.zaxis.net) has added a Xeltek SuperBot 5e robotic IC (integrated circuit) programmer at its electronics design and contract manufacturing center near Rochester, NY. The \$80,000 robotic system replaces an earlier model, processing ICs three times faster and reliably handling the latest fine-pitch IC packages.

"As a contract manufacturer, staying current with the technology is essential in order to maintain the high throughput, low labor costs, and high quality that our customers expect," said Michael Allen, president of Z-AXIS. "That means continuous investment in the latest tools and automation equipment for high-mix electronics manufacturing."

Many printed circuit board assemblies (PCBAs) feature embedded software or firmware, stored in microcontrollers or flash memory chips on the board. By programming these ICs in-house for its customers, Z-AXIS eliminates the three- to four-week lead time of buying pre-programmed ICs from distributors. It can offer same-day turn-around of software updates for PCBAs in production.

With the robotic system, in-house programmed ICs also cost about 30% less than buying from distributors in the production volumes that Z-AXIS' contract manufacturing customers typically need.

For prototype and very low-volume work, ICs are typically programmed manually — either in-circuit or by a hand-loaded IC programmer. For production volumes, the SuperBot 5e robotic IC programmer is used to process up to 2,100 ICs per hour, twenty times faster than manual IC programming, and eliminate nearly all of the labor costs.



Source: Z-Axis Article | View: Z-Axis SuperBOT 5e Video



SuperBOT Service, Support, and Warranty





- Xeltek Inc. is an established manufacturer in providing full range support of IC programmers including manual programmers, gang programmers, in-circuit programmers, and automated programmers since 1992
- 1 year free replacement parts + 4 years free remote technical support
- Factory training in our manufacturing headquarters located in Nanjing, China for up to 3 personnel
- Free device updates and monthly software updates
- High pin count supported with built-in universal 144 pin driver
- Lowest overall cost of ownership for equipment and 5-year operation
- Zero contracts



Xeltek's 5-star Google Rating



Delivering quality service is an equally valuable mission Xeltek aims to impart to every customer. That is why Xeltek provides high-touch support before, during, and after a sale from not one, but two dedicated teams of technical engineers and support staff located in Nanjing, China and Silicon Valley, USA.

Xeltek's distinguished service is worldwide and first-class and is proud to carry a 5-star Google rating so customers can shop with confidence.



Click here for Xeltek's Google Reviews

Xeltek Inc.

1296 Kifer Rd STE 605, Sunnyvale, CA

5.0 ★★★★★ 51 reviews ②

★★★★★ a week ago NEW

Had difficulty programming an microchip part and explained it to Xeltek support. Aaron answered my questions almost immediately and had experience with the particular part. Pointed me in the right direction and solved my problem. Was not a Xeltek problem. Could not have solved it without Aaron's help. Buy Xeltek!!!

★★★★★ a month ago

Mr. Aaron Cayabyab is done top graded, excellent support on the programmer superpro 6100N which is not in usable situation. Mr. Aaron understand the issue fixed in less than 30 min.

★★★★★ 10 months ago

Requested a bugfix for the SP6100N on a memory device algorithm and was pleased with the very quick response I received from Aaron Cayabyab and the development team at Xeltek, leading to successful remediation of the problem. Professional, effective support - thank you Xeltek!

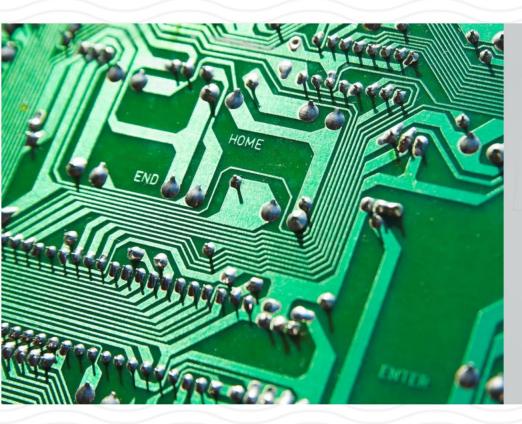
Local Guide · 58 reviews · 722 photos

★★★★★ a year ago

We got SuperPro 5000 for many years because of its excellent component coverage. We recently upgrade to SuperPro 7500 to enhance our ability on dual-core MCU and eMMC. We got free support from the Xeltek team to add the new MCU in the software. The request to support the new MCU is very easy and fast: send the Xeltek team some samples, and couple weeks later, we get what we need free of charge for the development fee (under warranty). Xeltek has a great team, especially Aaron, work with him always get a good result.



Questions? Contact sales@xeltek.com



THANK YOU



