

Xeltek's most powerful and scalable automated programming solution, designed to take your production to the next level. Ideal for high volume environments, it offers industry leading speed, accuracy, and reliability. This cost effective system automates the entire IC programming workflow, chip pickup, placement, programming, removal, and packaging, eliminating manual operations. By integrating advanced programming technology with precision robotics, SuperBOT 9 maximizes throughput while minimizing errors and downtime.



DEVICE PACKAGE

- Supports over 140K+
- Small device handling: 1x1.5
- Supports all package types

HIGHEST SOCKET DENSITY

- Equipped with 8 SuperPro 7500N Programmers
- Program up to 32 sockets
- Support most package types

FLEXIBLE OPTIONS

- Fiber Laser Marking
- Ink dot marker
- Tape out
- Tape In
- Tray
- Tube I/O
- MES
- 3D Inspection

WARRANTY & SUPPORT

- 2 year hardware warranty
- 5 year free support

HIGH THROUGHPUT

- 2,800+ units per hour
- Dual auto tray with loading and unloading
- Dual Tape in feeders

BENEFITS

- FREE Factory Training
- Free Device Support
- Rapid Technical Assistance
- Direct Access to Engineering Team via Instant Messaging

Device Handling

- **Throughput:** 2,800 per hour
- **Component Size Compatibility:** min. 1mm max.25mm
- **Accuracy of X, Y, & Z Axis movement:** ±0.01mm
- **Nozzles:** Quad
- **PC:** Windows OS
- **Compliance:** CE, Rohs, Reach

Electrical and Mechanical Specification

- **SBOT9 Dimensions:** 1000(L) × 1,610(W) × 1,550mm (H)
Weight: 900kg
- **Automatic Tray:** 1500 (L) ×320 (W) ×1000(H)
Weight: 165kg

Marking & Label Option

- **Laser Marker:** Fiber Laser
- **Ink:** Supports dot marking

Vision System

- **Camera Type:** Industrial-grade digital camera
- **Resolution:** 1280 × 1024 pixels
- **Vision Range:** 40 mm × 35 mm
- **Accuracy:** ±0.01 mm
- **Adjustment Precision:** X/Y: ±0.07 mm Rotation (θ): ±0.1°

Programmer & Socket Specifications

- **Programmer Model:** SuperPro 7500N
- **Socket Lifespan:** Typically 10,000 – 60,000 insertions

Supported Device Packages

- PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VQFP, TSOP, SOP, TSOPII, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, uBGA, WLCSP, SCSP, and more.

Supported Devices

- EPROM, Paged EPROM, Parallel & Serial EEPROM, FPGA Configuration PROM, Flash Memory (NOR & NAND), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontrollers (MCU)

Software Operations

- Erase, Blank Check, Program, and Verify

Testing Options

- Mis-insertion detection
- Backward device insertion detection
- Device ID verification

Support & Warranty Benefits

- **Free Factory Training** – Up to 4 days of comprehensive training for 2 operators to ensure seamless operation.
- **5-Year Support** – Enjoy five years of free technical support with no support contracts required.
- **2-Year Hardware Warranty** – Coverage for hardware-related issues to ensure long-term reliability.
- **Direct Access to Xeltek Engineering Team** – Get priority support from our engineering experts for quick troubleshooting and issue resolution.

I/O

- **Tape in:** 8mm - 32mm
- **Tape out:** 8mm-32mm
- **Tape Seal:** Hot or Cold
- **Auto Tray:** Supports up to 25 JEDEC trays
- **Manual Tray:** Single JEDEC tray
- **Tube Input - Tube Output**
- **Reject Bin**

- **Power Supply:** AC 200–240V, 50–60Hz, Single Phase
- **Power Consumption:** 2.5 KVA
- **Air Requirements:**
 - Clean, dry air supply
 - Pressure: 0.6 MPa
 - Air Consumption: 50 liters/min

- **Barcode**
- **QR**
- **Label**

API & System Integration

Easily integrate with third-party systems using a robust API protocol.

- **MES System Compatibility**
 - Works with Manufacturing Execution Systems (MES) for optimized and streamlined production workflows.
- **HSM Support**
 - Fully compatible with Hardware Security Modules (HSM) to ensure secure programming and data protection.



SUPPORT THAT WORKS FOR YOU

WHY WAIT DAYS FOR A TECHNICIAN?

XELTEK OFFERS SAME-DAY
REMOTE ASSISTANCE—
OFTEN RESOLVING ISSUES
FASTER THAN AN ON-SITE
VISIT.

**Don't let issues slow you down.
Our dedicated support team is here
to help you.**

- ✓ DIRECT ACCESS TO ENGINEERS, NOT JUST TIERED SUPPORT
- ✓ REMOTE TROUBLESHOOTING WITHIN HOURS
- ✓ EFFICIENT ISSUE RESOLUTION KEEPS YOUR PRODUCTION RUNNING

"ON-SITE SERVICE MAY SOUND APPEALING — BUT WE SOLVE PROBLEMS FASTER THAN THOSE WHO OFFER IT."

WE DON'T JUST DELIVER MACHINES—WE TRAIN YOUR TEAM TO RUN THEM CONFIDENTLY.

- ✓ COMPREHENSIVE HANDS-ON TRAINING AT OUR FACTORY
- ✓ ACCESS TO TRAINING VIDEOS, GUIDES, AND LIVE WALKTHROUGHS
- ✓ LONG-TERM BENEFIT: LESS DEPENDENCY, MORE CONTROL
YOUR OPERATORS LEAVE CONFIDENT, CAPABLE, AND EQUIPPED.

NEED ON-SITE HELP? NO PROBLEM.

- ✓ FLEXIBLE OPTION, AVAILABLE IF AND WHEN NEEDED
- ✓ TRANSPARENT FLAT-RATE SERVICE FEES
PEACE OF MIND—WITHOUT HIDDEN COSTS OR SERVICE CONTRACTS.

Others send technicians. We send solutions — fast, efficient, and on your schedule.



Fast, Reliable
Remote Support



Free Factory
Training – Built for
Your Team



Optional Paid On-
Site Support
Available

"Xeltek team provided excellent support during the installation and training of our new SBOT IC programming machine. They were professional, responsive, and answered all of our questions and concerns promptly. The programmer is now running smoothly and has significantly improved our production quality and manufacturing efficiency. Many thanks to the entire Xeltek team!"

