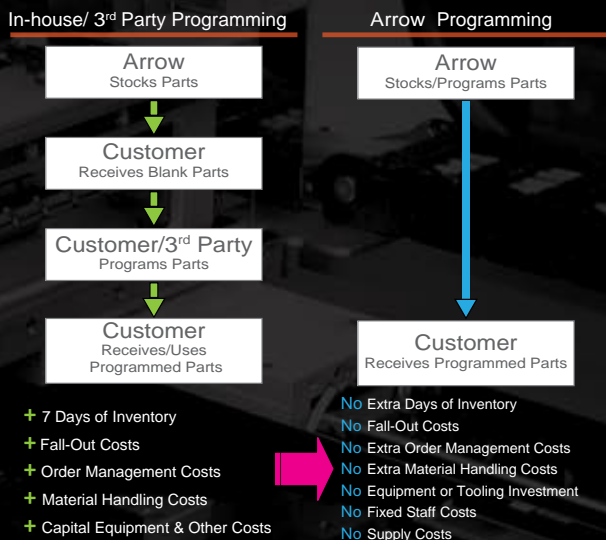# Services: Device Programming

FAST, RELIABLE PROGRAMMING YOUR WAY, FROM A NAME YOU TRUST

Arrow Electronics has been a worldwide leader in programmable device services for over 25 years. That's because our team is dedicated to providing high-quality service, competitive pricing, and reliable, on-time delivery of programming solutions in both small and large quantities.

Arrow: The Right Choice

Our state-of-the-art facilities support the programming of more than 25,000 device types and products from more than 180 suppliers. In addition, our global network of programming centres provides the highest levels of quality available through global standardized systems, procedures, and automated equipment. Regardless of the size and sophistication of your requirements, Arrow has the infrastructure and experience to meet your programming services needs. We offer a wide range of services and the ability to seamlessly transfer programming to any region of the world. We program customer-owned and Arrow-supplied parts in small- and medium-sized lots every day on a network that has the capacity to program more than 250 million units per year.

Save Time and Money with Arrow Device Programming Services

In-house/ 3rd Party Programming

- **Arrow** — Stocks Parts
- **Customer** — Receives Blank Parts
- **Customer/3rd Party** — Programs Parts
- **Customer** — Receives/Uses Programmed Parts

+ 7 Days of Inventory
+ Fall-Out Costs
+ Order Management Costs
+ Material Handling Costs
+ Capital Equipment & Other Costs

Arrow Programming

- **Arrow** — Stocks/Programs Parts
- **Customer** — Receives Programmed Parts

No Extra Days of Inventory
No Fall-Out Costs
No Extra Order Management Costs
No Extra Material Handling Costs
No Equipment or Tooling Investment
No Fixed Staff Costs
No Supply Costs

Bedford, UK
Venlo, Netherlands
Reno, Nevada
San Jose, California
Guadalajara, Mexico
Shanghai, China
Penang, Malaysia
Melbourne, Australia

● High-Volume Production Center
▲ NPI Center

Arrow's strategically located and electronically networked programming centres are ISO 9001:2008 certified and comply with the Electrostatic Discharge (ESD) JESD 625 standard. Our facilities are also ISO/TS 16949 compliant. Our tape and reel facilities follow the EIA-481, EIA-468, and EIA-296 standards.

Fast First Article Service

Arrow understands your need to get products to market quickly. In most cases*, we ship First Article orders within 24 hours of receiving code and parts. Simply send your firmware via ftp, email, disk, or master device and we'll contact you about your specific request.

(*) Does not apply to First Article orders requiring serialization, which will ship within 2 business days after receipt of required parts and instructions

One Order, One Delivery, One Invoice, One Contact

ARROW Five Years Out

Greater Flexibility

Because Arrow holds raw components in stock, we're able to respond quickly to last-minute changes in order size. We only ship known good and programmable parts so you experience zero fallout.

Unwavering Quality

At our Global Programming Centres, we have established rigorous processes that ensure your order is completed to your satisfaction anywhere in the world. Our sophisticated redundant systems and state-of-the-art equipment ensure reliability, time after time.

Simplify your supply chain, and improve your IC programming/ tape and reel cycle time.

Our programming centres feature state of the art equipment.

Arrow Invests in Cutting-Edge Technology, so You Don't Have To

Our ongoing commitment to delivering quality programming services is highlighted by continual investments in the most advanced equipment offered by the world's leading manufacturers. Working jointly with our equipment partners in proprietary co-development, we continually update our Global Centres to enable the industry's highest processing speeds and quality levels.

Tape and Reeling

Arrow provides reliable, fast, and flexible tape and reeling services that support a wide range of devices including surface-mount, radial, and axial components. Tape and reel services are offered as a complement to our programming services or on a stand-alone basis.

Arrow's full range of programming services includes:

- IC programming
- Custom marking (laser/ink/label)
- IC testing
- Tape and reeling
- Serialisation
- Baking
- Carrier extraction
- Electrical erasing and reworking
- Marking eradication
- Custom barcoding and packaging
- Supply continuation on EOL parts

Arrow can support all programmable package types of the following devices:

- PLDs
- CPLDs
- EPROMs
- EEPROMs
- NOR and NAND Flash
- Compact Flash cards
- FPGAs
- Microprocessors
- Microcontrollers
- Programmable clocks
- PROMs
- Oscillators

COMPLETE SOLUTIONS
FROM ONE TRUSTED SOURCE

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arrow.com

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