Programming

Venlo Programming Center

What We Do

Arrow Venlo's Programming Center is fully integrated into the warehouse and equipped with ample space to support a growing product-enhancement business.

Housed in a dedicated production space, state-of-the-art programming machines run all available programmable part packages, 5-6 days a week.

Raw material is called off to the programming center when the order is released to production. Once production is completed, finished goods are sent by conveyor for immediate packing and shipping or taken into storage for "build-to-stock" type orders.

What We Have

- High-tech programming machines
- Fed by conveyors
- ESD protective flooring
- Temperature and humidity controlled
- Secure provisioning
- ISO 9001:2015
- ISO 14001:2015
- ISO 27001
- TAPA FSR 2023

Key Numbers

- > 400 customers
- 570 different part packages supported
- 4000 programming adapters available
- 99% On Time Delivery (to warehouse)

Service Levels

- Quotation   1.0 day
- Engineering setup   1.0 day
- Order lead time   5.0 days
- Expedite   0.5 day
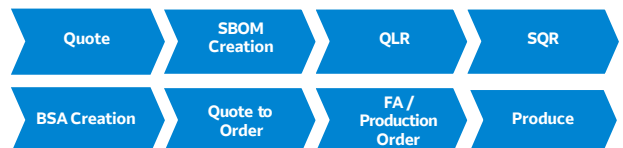- Shipping   Standard

Programming Details

Programming Services

- Programming
- Custom or EIA-481-E Tape & Reeling
- Custom marking (laser, label, ink)
- Custom barcoding and packaging
- Tray, tube, or tape input to respective output
- 3D lead inspection
- Baking (removing moisture)
- Other services

Quote to Order Process

1. **Sales** – Customer requirement Oracle
2. **VPC** – Feasibility check, cost, NRE
3. **VPC** – Send price to Sales in Oracle
4. **Sales** – Send quote to customer
5. **Sales** – Convert quote to BSA
6. **Sales** – Create & book First Article order
7. **VPC** – Create programming setup
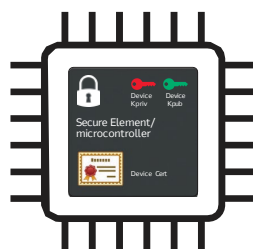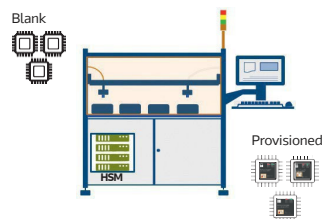8. **VPC** – Produce

Serializing

Programming a unique serial number and ability to laser mark the same on the device.

Types of Serialization:

- Sequential serial
- Random serial
- MAC address
- CRC checksum
- Unique files
- Customer specific data

Security Programming

What is it?
- Programming cryptographic keys, configurations and device identity certificates.

How is it done?
- State of the Art programming machine with integrated HSM that generates cryptographic keys and certificates while programming.

Why is it needed?
- Identification, Authentication, IP Protection, Data Integrity and Secure accessibility.

Enable customers of all sizes and demand profiles to take full advantage of silicon-based security features.