

**Arrow Medical Ltd**



# *Complete medical manufacturing solutions*



*Production engineering | RF Welding | Silicone injection moulding | Textile assembly |  
Clean room assembly | Labelling and packing | Global logistics | Sterile supply chain*

**[www.arrowmedical.co.uk](http://www.arrowmedical.co.uk)**

# Complete medical manufacturing solutions

**Arrow Medical Ltd specialises in contract medical manufacture. Whether it is clean room assembly, silicone injection moulding, textile fabrication or electromechanical integration, Arrow Medical will develop an efficient and cost-effective production process to meet your needs.**

An experienced management team takes your product from design concept to delivery right to the operating theatre, accident or emergency team, hospital or local practitioners' clinics.

Medical practitioners worldwide depend upon Arrow Medical products, built to meet the stringent standards of professional medical businesses and their customers. Arrow Medical meets all production requirements, right from sample prototypes and pre-production batches to competitively priced volume production and sterile supply chain logistics.

Since 1989 Arrow has built millions of specialised devices, used by anaesthetists, cardiac, vascular and orthopaedic patients, and specialist emergency teams, to meet the full needs of clinicians and health and safety teams worldwide.

## **Customer focused management**

*The Arrow Medical team brings a wealth of experience in quality manufacturing from the medical, electronic and textile industries, and is totally committed to complete customer service, covering quality, competitiveness and delivery. The team will integrate its proven processes with your business, and maintain a transparent, reliable and trusted partnership in all areas of business performance.*

## **Facilities**

Arrow Medical provides a full turnkey service, from supply sourcing through production engineering and volume manufacture to delivery direct to customers worldwide.

## **Manufacturing and assembly processes**

- RF Welding of PU and PVC
- Silicone injection moulding
- Textile assembly, using the latest sewing and seam-sealing techniques

## **Clean room production facilities**

- Product assembly, both manual and semi-automated
- Sterile packaging
- Packaging validation
- Pre-production assembly trials
- Secure duplex facilities

## **Logistics, transport and fulfilment**

- Process validation and stock control
- Packaging, including box forming and auto-bagging
- Labelling, including bar coding, symbols and text
- Warehousing
- Secure shipping logistics
- Known global shipper status
- Delivery to the sterile supply chain

## *Design, development, production, logistics*





## Total commitment to quality

Arrow Medical has a total commitment to quality built on years of clinical experience. Our aim is to achieve zero defects, by constantly measuring our performance against validated audit plans at each stage of production and maintain continuous improvement. Product performance is continually monitored by accelerated product life tests.

- Arrow operates to international standards ISO 9001:2000, ISO 13485:2003, FDA GMP including sterile chain delivery
- Trained auditors guarantee quality by auditing the complete supply and manufacturing process:

Goods Inward → In Process → Post-Packaging → Delivery

- Finished product release depends on batch sample verification system, allied to life-testing.
- Regular supplier audits guarantee quality and security of supply
- Arrow Medical invests heavily in training and is recognised as an 'Investor in People'.

*Arrow Medical's teams have years of experience in new product introductions. We understand medical products, their context, creation, design, users and technology. Advanced engineering, modelling and CAD are used to produce initial concepts and practical prototypes ready for field evaluation. The team combines aesthetics and technology to produce products that are functional, attractive and cost-effective and delivered on time.*

# Arrow Medical Ltd



## Engineering for cost-effective production

Maintaining quality while providing cost benefits is a key part of Arrow Medical's management skills.

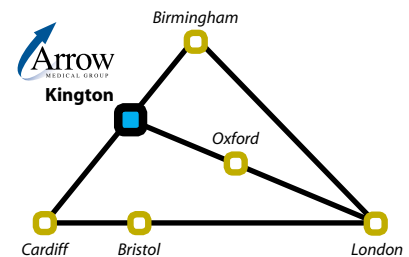
Complete pre-production batches are regularly supplied for field testing before committing to final volume production. Production engineering teams advise on all aspects of material selection, quality standards, support services and supplier management to achieve the best balance of function, aesthetics and cost.

## Decades of outsourcing experience

Arrow Medical was founded in 1989 by a group of medical device entrepreneurs who recognised the growing need for the outsourcing of the manufacture of medical devices, especially clean room assembly. Early success led to a rapid development of Arrow Medical, when in 1994 a major international company chose Arrow to manufacture a high volume garment, used for prophylaxis treatment of deep vein thrombosis (DVT). This requires specialist cutting and sewing operations, which are now well established and highly productive parts of Arrow's medical capability.

In order to remain competitive and demonstrate total customer commitment, Arrow Medical has made significant investments in radio frequency (RF) welding and silicone injection moulding. This commitment to quality and productivity has continued with further substantial investment in clean room facilities to raise standards and further improve security of supply.

**Today Arrow Medical products meet the requirement worldwide in the fields of cardiology, orthopaedics, vascular treatments, ear, nose and throat surgery, emergency treatment and anaesthetics.**



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***In Arrow Medical's philosophy there is only one standard: Excellence.***

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