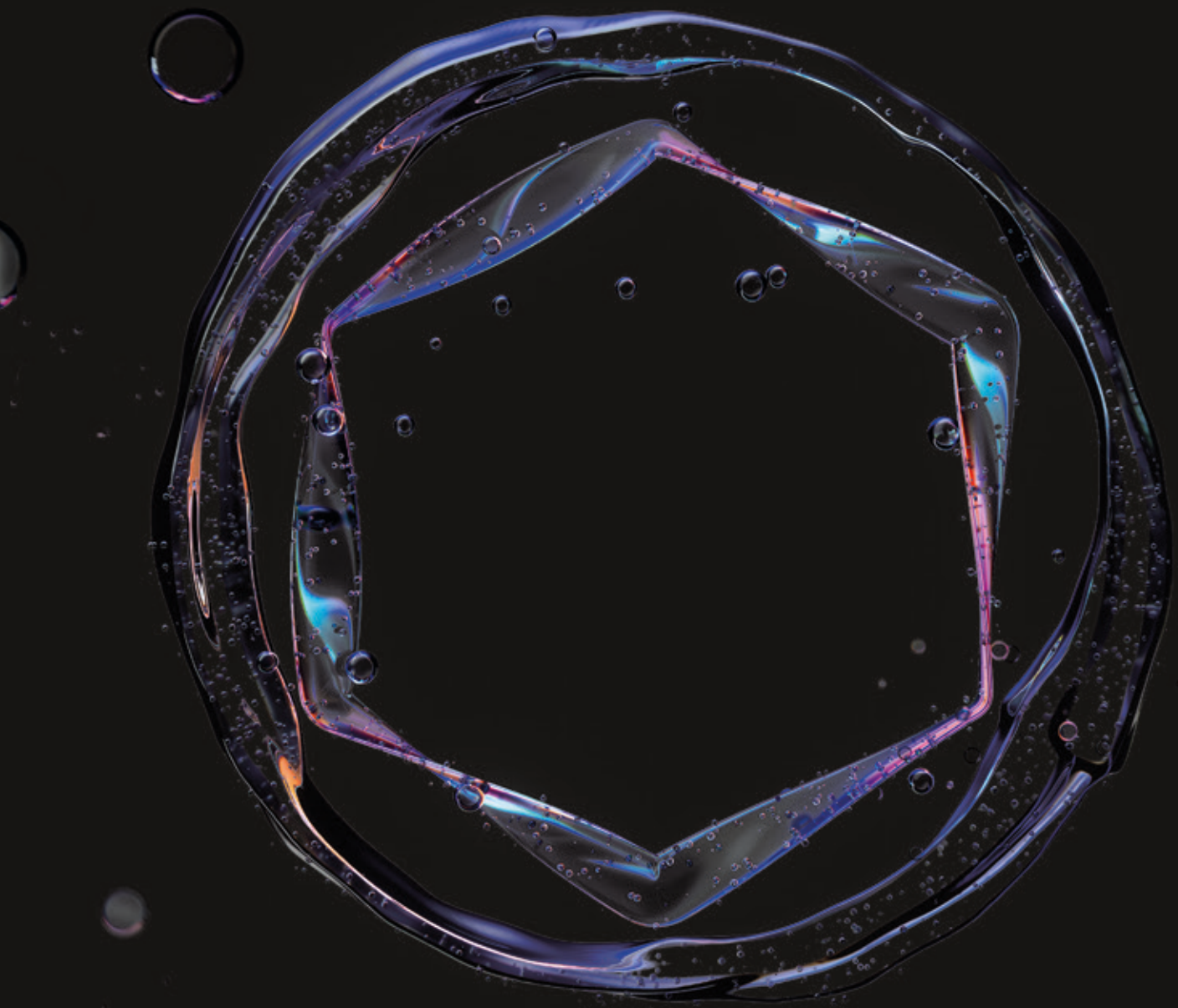
BBI

BBISOLUTIONS.COM

# Your Lateral Flow Manufacturing Partner



Transferring an Assay | Scaling Production | Long-term Manufacturing

# Strategic partnerships for lateral flow manufacturing success

We produce millions of tests per year for IVDR/FDA registered diagnostic, food, veterinary and agricultural testing devices on our automated lateral flow manufacturing lines.

- TRANSFERRING AN ASSAY
- SCALING PRODUCTION
- LONG-TERM MANUFACTURING

## Flexible options for manufacturing at scale

**World-class facility**
Dedicated 120,000 sq ft ISO13485 facility manufacturing facility in Crumlin, Wales.

**Manufacturing capabilities**
Medium and high-volume manufacturing lines capable of both card and device production.

**Reel-to-reel membrane preparation**
Featuring automated error detection measuring system.

**Lamination**
Manual, semi- and fully automated lamination options.

**Automated device assembly**
Assembled on kinematic lines for consistently high quality at speed.

**Flow wrap packaging**
In-line airtight, tamper resistant packaging to block moisture, extend shelf-life and protect the product.

**Our reel-to-reel systems are**

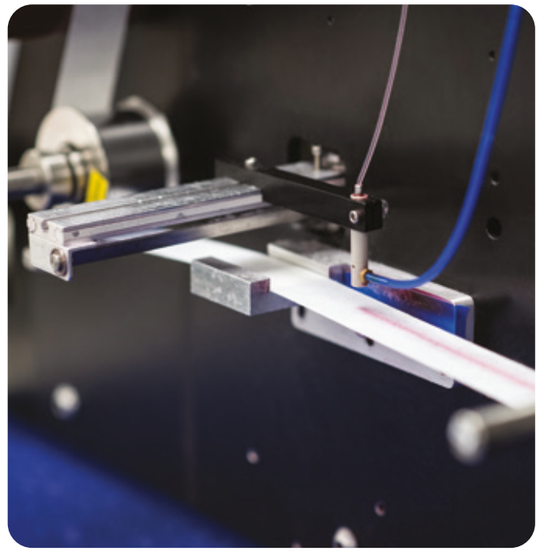
**capable of striping and / or spraying at 90mm/s**

which allows us to manufacture
5600m of lateral flow materials in just 4 days.

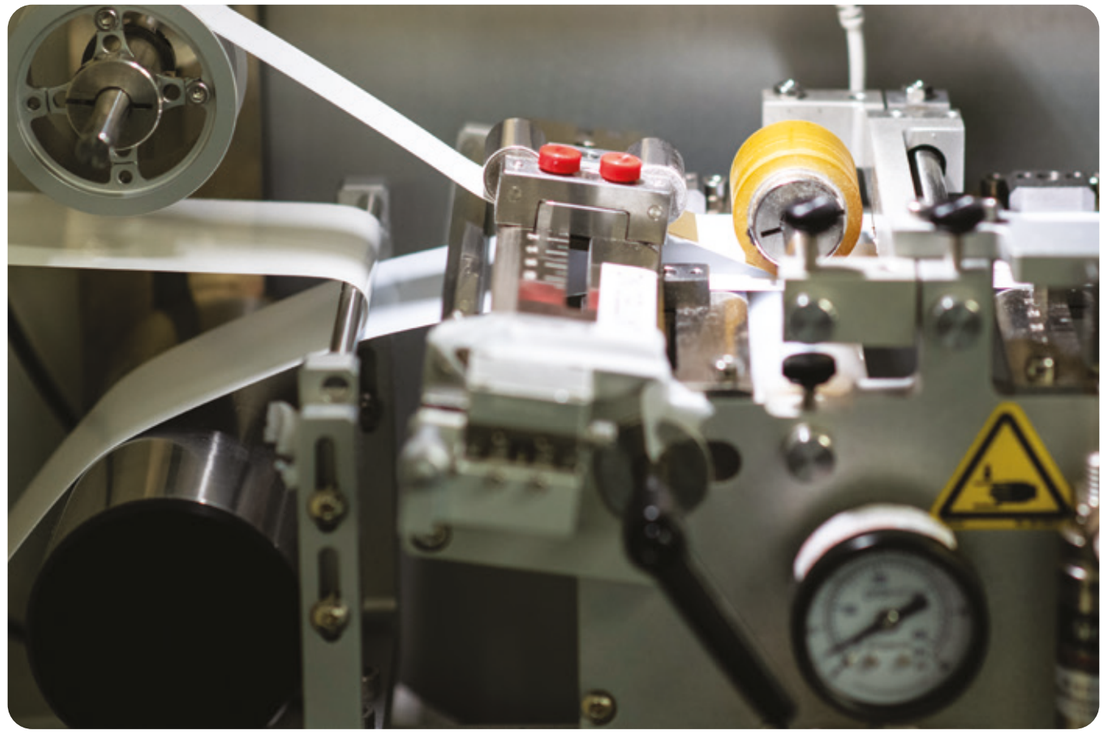
**To see our manufacturing line in action, scan the QR code:**

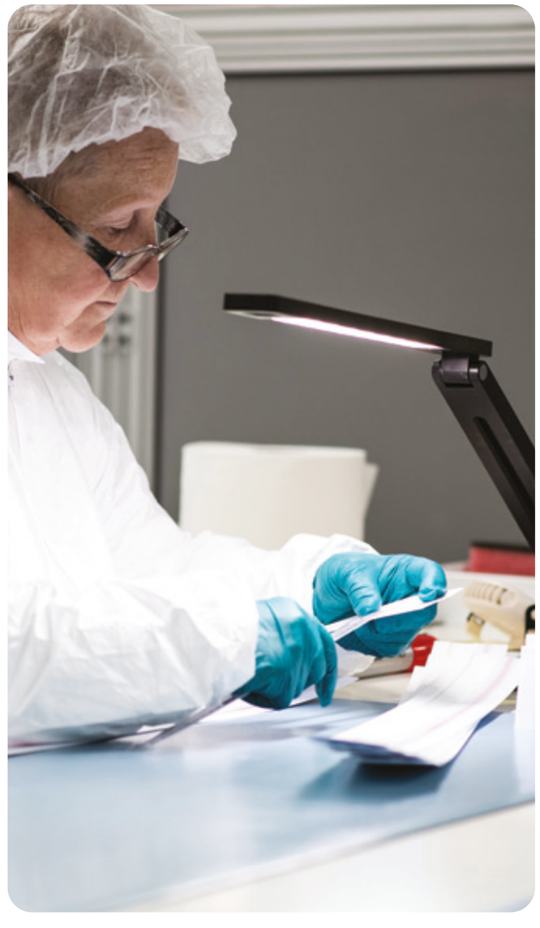














# Optimized and secure supply chain

**Optimize processes for cost and yield**

With 30+ years of experience in lateral flow manufacturing, we've developed a robust supply chain. This is based on long term supply agreements and supported by internal development and production of many key components in-house including:

- Gold Colloid and Conjugates
- Polystreptavidin
- Antibodies
- Antigens

**Our team can develop, characterize and produce custom antibodies at scale.**

- 35+ years of antibody development experience.
- 1000+ Monoclonal development projects.
- 1000+ Polyclonal development projects.
- 5000+ Antibody productions / purifications.





**~150 conjugations/yr**

Our conjugation department has over 30 years' experience in the manufacture of a range of gold colloid particle sizes and the conjugation of a broad range of other particles. This dedicated conjugation team can produce highly stable, functional conjugates at litre scale.

# As experts in the field – we're committed to excellence

As part of our commitment to continuous improvement, we've integrated an AI based inspection and rejection system into our kinematic automated device assembly line to ensure each test is visually quality checked and approved before being sealed.

Working with our customers we can tailor QC testing to customer needs using visual, reader-based or bespoke inspection systems. Our highly trained QC employees ensure only quality products are released.

**For more information on our Lateral Flow Manufacturing Service please visit our website:**








# Pilot to commercial production – working with BBI couldn't be easier

### Initial development

Development is carried out by the customer or with a BBI development partner.

### Transfer to BBI

Transfer is completed via the customer/partner and the BBI technical transfer team.

### Initial scale-up batch

An initial scale-up batch is produced to assess process readiness.

### Validation batches

Three validation batches are completed to support transfer into routine manufacture.

### Routine manufacturing

The process moves into routine manufacture.

### Ongoing continuous improvement

Performance is monitored and opportunities for continuous improvement are implemented.

**More than**

**20 years**

transferring tests to manufacturing

Our technical transfer and regulatory teams take products seamlessly from initial development/small scale production through to large scale fully automated manufacture.

## End to End expert support throughout the product life cycle.

TRANSFERRING AN ASSAY

SCALING PRODUCTION

LONG-TERM MANUFACTURING

BBI

For more information on our Lateral Flow Manufacturing Service please visit our website: bbisolutions.com

info@bbisolutions.com
Int: +44 (0)1495 363 000
USA: +1 888 222 4149
China: +86 (0)21 6104 2216

# Bring your lateral flow test to market – on time and to the quality your customers expect.

Advancing health, together.

Copyright © 2026 BBI.
All rights reserved.

BBISOLUTIONS.COM