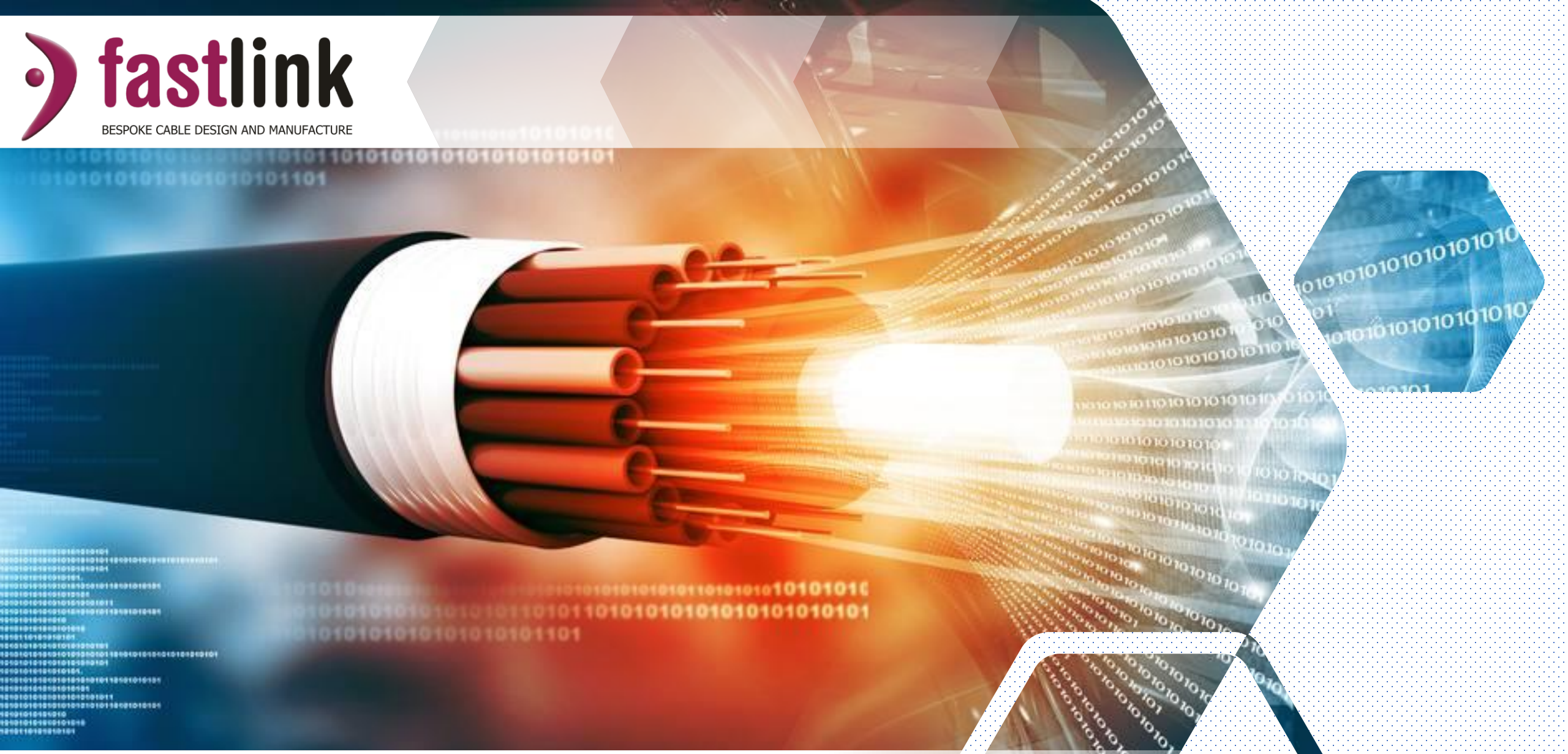
fastlink

BESPOKE CABLE DESIGN AND MANUFACTURE



Presented by: Allan Oakes, Managing Director

109, Cheney Manor Ind Est, Swindon, SN2 2DS
www.fastlink.co.uk

01793512251
sales@fastlink.co.uk

fastlink

BESPOKE CABLE DESIGN AND MANUFACTURE

Introduction

- Established in 1993

- Manufactured in house Custom Cables
- Manufactured in-house Looms & Harnesses

- Fastlink has 16,000 Sq. Ft

- 30,000 Cables assemblies manufactured per month

- 4,000 Different types of Assembles per month

- All cables are 100% Tested with a life time Guarantee

- Fastlink is registered ISO 9001:2015 and BSI accredited

bsi. ...making excellence a habit.

fastlink

BESPOKE CABLE DESIGN AND MANUFACTURE

Primary Markets

Military/Aerospace

Industrial

Data Comms, Telecoms

Transportation

Medical Equipment

Oil, Gas & Renewable energy

Instrumentation

bsi. making excellence a habit.

fastlink

BESPOKE CABLE DESIGN AND MANUFACTURE

How we guarantee Quality:-

All work carried out to IPC Class 3 standard

First off inspection on all Batches

Continuous in process inspections on all batches

All cables 100% tested on completion of Batch

bsi. ...making excellence a habit.

fastlink

BESPOKE CABLE DESIGN AND MANUFACTURE

What we use to Test:-

Our standard desktop tester	Tests for	Tests Components
Up to 1024 points with add-on boxes (128 pts/box)	Opens	Resistors
Interchangeable adapters	Shorts	Diodes
IPC-WHMA A-620 Compliant	Continuity	Capacitors
Meets requirements for classes 1, 2, and 3.	Verifies solder and crimp terminations	LEDs
1500VDC	Measures resistance	Switches
1000VAC	Insulation resistance and DWV testing (1500VDC-1000VAC)	Twisted pairs

We examine all our assemblies under our magnifying glass, to make sure that everything that comes to you is the best Fastlink can offer.

Optics

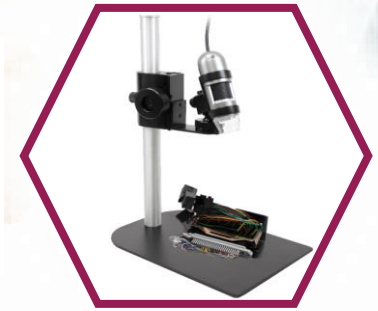
Magnification: 10-70x, 200x

Sensor

Sensor type: CMOS

Resolution: VGA (640x480)

Maximum frame rate: 30fps



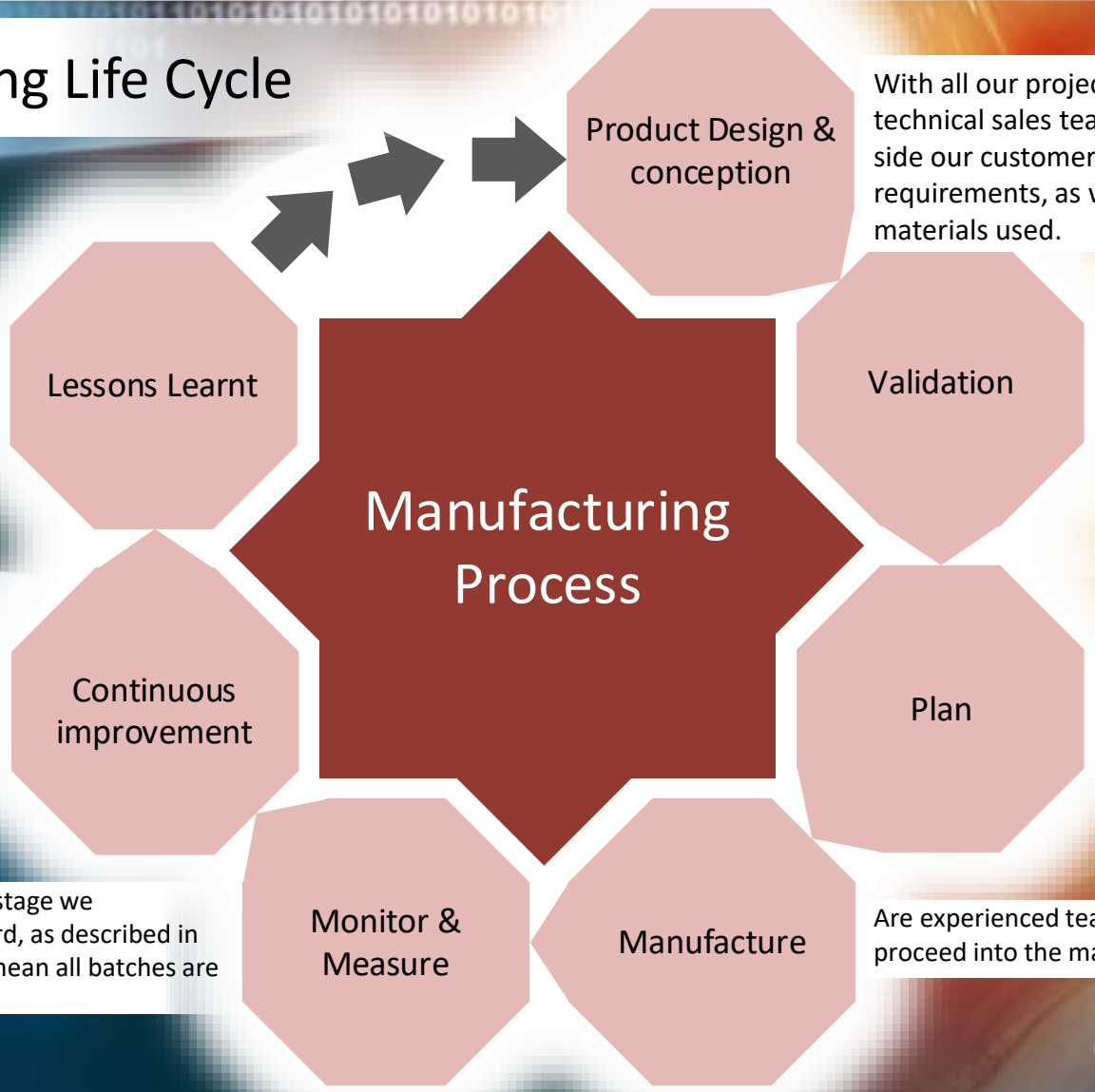
LAN Testing
TIA Categories 3/5e/5/6/6A
ISO/IEC Classes C, D, E, E_A, F
Alien Crosstalk measurement to certify copper lines for 10GBASE-T in minutes
Rocket fast Category 6A and Class F Auto test in 11 seconds
IEEE 802.5 Token Ring and IBM type 1

Our test equipment allows us to test and guarantee the quality of your cables

fastlink

BESPOKE CABLE DESIGN AND MANUFACTURE

Manufacturing Life Cycle



With all our project enquiries our experienced technical sales team & engineers will work along side our customer to ascertain there requirements, as well as offer advice on design, materials used.

During this phase we will go through the final design, and validate for accuracy.

We will put work instructions in place and provide proto type for customer, we will gather feed back & make any adjustments and/or recommendations, as well as finalise purchase order.

Are experienced team of technical engineers will then proceed into the manufacturing stage.

During the Manufacturing stage we continuously test and record, as described in previous slides which will mean all batches are 100% tested

We pride ourselves in constantly looking for better ways to improve the manufacturing processes, as well as improving our engineers skills.

We constantly learn new things and those lessons are constantly, recycled back into the process to make the process more efficient and reliable.

bsi. ...making excellence a habit.

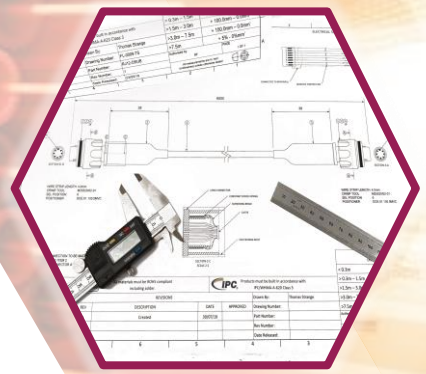
fastlink

BESPOKE CABLE DESIGN AND MANUFACTURE

Production Engineering

We endeavour to work with our customers on the following areas

- Front End Support
- Cables Assembly drawing
- Design Proposals
- Material and component selection
- Cable Configuration/ Prototype Builds
- Reverse engineering
- Best Production
- Contract Review methods



bsi. ...making excellence a habit.

fastlink

BESPOKE CABLE DESIGN AND MANUFACTURE

Custom Cables

Some of the different connecter manufactures the we use but not limited to:

- ERNI
- ODU
- LUMBERG
- POSITRONIC INDUTRIES
- DEUTSCH
- Molex
- JST
- AMP
- HIROSE
- AMPHENOL
- BINDER
- COMMITAL
- HARTING
- HARWIN

bsi. ...making excellence a habit.

fastlink

BESPOKE CABLE DESIGN AND MANUFACTURE

Manufacturing Services

- PCB Interconnection
- Semi or Full Box builds
- Switch Panel Wiring
- Control Panel Wiring
- DIN Rail Assembly Wiring
- Panel work/Boxes –Metal or Plastic

- Prototype – Project inception
- Pre-Production – Small Volume production
- Production – Scheduled Production Runs
- Field Service – Full Product Life Cycle

Everything is 100% tested to Customers Specification

bsi. ...making excellence a habit.

fastlink

BESPOKE CABLE DESIGN AND MANUFACTURE

Industry Standard Cables

In addition to the design and custom cable assembly service, Fastlink stock a range of industry standard passive products which include:

- International mains cables for most countries

A full range of networking cables and products including:

- RJ45 patch leads,
- Patch Panels
- Media Filters

- Range of Fibre Cables and panels

Other Useful Cables

- Cisco Cables
- Display Cables, (HDMI, DP, VGA)
- Coax (50Ω, 75Ω)
- Cable Management Hardware

Due to Fastlinks long established presence in the cable market Fastlink can also produce redundant Telecoms products that you wouldn't easily find on the open market

bsi. ...making excellence a habit.

fastlink

BESPOKE CABLE DESIGN AND MANUFACTURE

Fastlink Present and Future

Fastlink over the years has grown steadily, with a positive impact on all customers, due to this continuous growth Fastlink has had to find bigger and more efficient premises and currently have 16,000 sq. foot at its disposal and are still growing.

Expanding our skills sets whilst upholding the highest of quality standards as well as training standards for our 45 members of staff.

Fastlink for the foreseeable future will continue to grow as customers keep coming back to us with more complex and exciting new projects.

109, Cheney Manor Ind Est, Swindon, SN2 2DS
www.fastlink.co.uk
01793512251
sales@fastlink.co.uk