

LinkPro Cabling Production Overview



LINKPRO CABLING
I N C .

Manufacturing Footprints (1+1)



Guilin, China
Optical Cable Assemblies



Wuhan, China
Active-Transceivers, AOC



Hangzhou, China
Copper cables,
High-speed cables



Hai Phong, Vietnam
Optical Cables



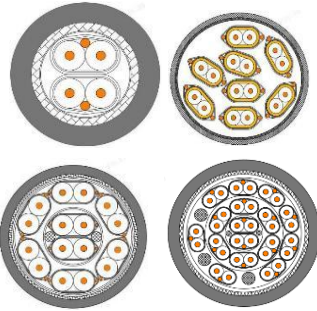
Hai Phong, Vietnam
Active-Transceivers, AOC



Thailand
Copper cables,
High-speed cables

Passive Products Manufacturing Core Process

Copper Cable Parts Extrusion/Wrapping



Copper Cable Parts Shielding/Coating



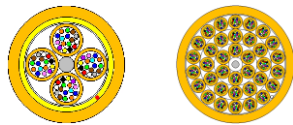
Copper Patch Cord Assemblies



Sheet Metal Fabrication



Optical Cabling

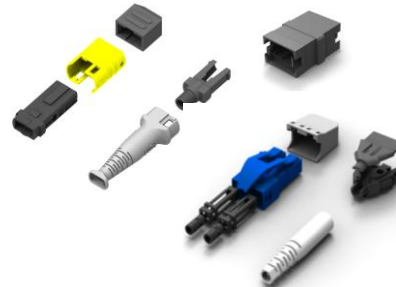


64F-Loose tube

576F

- LSZH-1
- PVC OFNR

Plastic Parts Molding



Passive Optical Assemblies



Passive Optical Cable Assemblies



High-Speed Copper Cable Production Process & Control LinkPro™



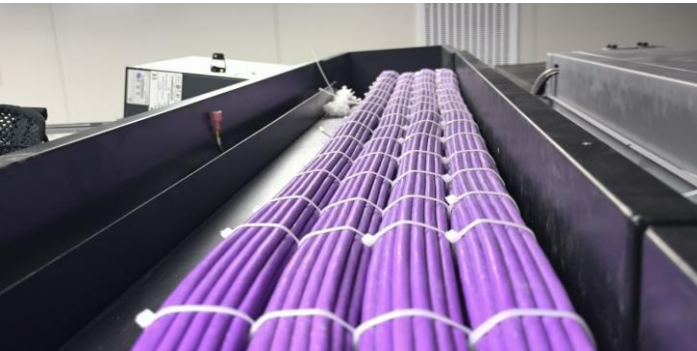
Extrude copper pin



Copper Cable Auto Jacket Line



Cable Braid layer



Wire cutting



Assembly



Production testing

Transceiver Production Process and Control



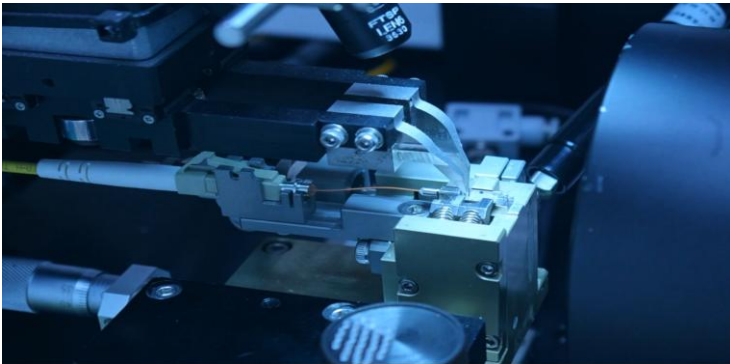
10k-level Production Clean Room



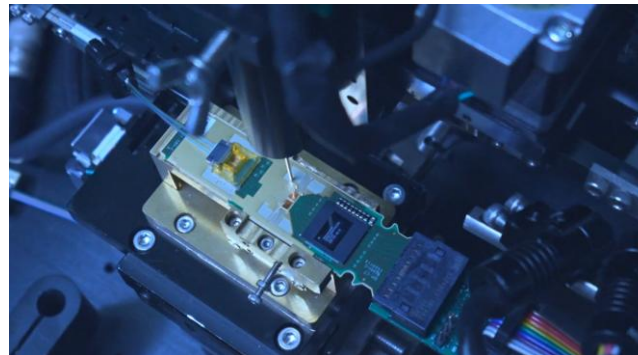
ESD Controlled Workshop



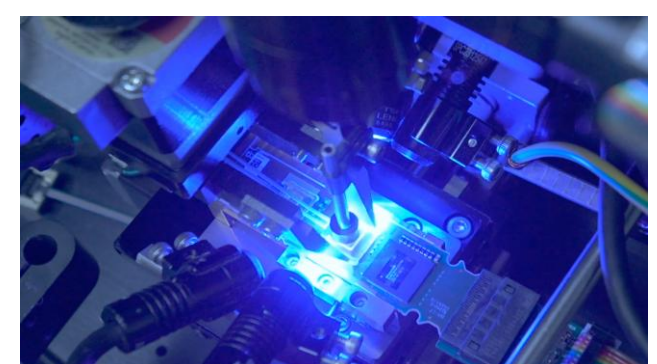
Production auto test



Auto Die Bonding



Auto Wire Bonding



Auto UV Curing



Reliability Lab



Cable Test Lab

Labs	Standards	Location	Functions
Cable Assembly & Connector Labs	GR-326 GR-1435 GR-1221 GR-468	Guilin	<ul style="list-style-type: none">• Service Life Tests;• New product introduction;• Periodic qualifications
		Vietnam	<ul style="list-style-type: none">• Key mechanical & environmental tests;• Engineering & quality verifications for improvement & process changes.
Cable Lab	GR-20 GR-409 Flammability	Vietnam	<ul style="list-style-type: none">• 1st Cable Lab in Vietnam;• Verifications during new product development to shorten the process.

Copper Cable Reliability Testing Labs

- Provides multiple categories of test items, covering over 100 types of tests
- Laboratory obtained CNAS certification



Generic

- Physical Inspection
- Dimension
- Plating Thickness
- Hardness
- CA (Chromatic aberration)



Mechanical

- Durability
- Vibration
- Bending
- Torsion/Twist
- Flex Test



Electronical

- Frequency domain
- 67GHz Network Analyzer
- Time domain
- BER (Bit Error Rate)
- 800G Ethernet
- EMC
- Ethernet Test
- Traffic test
- POE Test



Environmental

- Temperature Life
- Humidity Test
- Thermal Shock
- Salt Spray Test
- Ingress Protection Rating (IP)



Integrated Fire Test

- Flame Retardants
- Fire Resistance
- VW-1(UL)
- Retardant Characteristics
- Halogen acid gas content
- Smoke density test
- Oil resistance test



Hazardous Substance

- RoHS
- Halogen Free
- REACH

Flex Tests for Cable Durations Check

- Provide various mechanical reliability test methods to meet various specifications
- Fully Compliant Robot Cable system
 - Flexing test
 - Bending & rotating test
 - Bending test
 - Cableveryor test
 - 90° bending test
 - 2D Torsion
 - Vertical torsion test
 - 3D Torsion

Flex Life Test



Torsion/Twist Test



EIA364-41



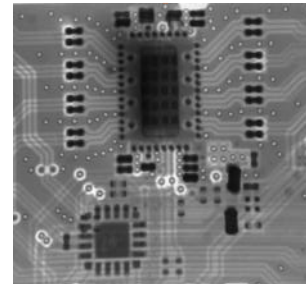
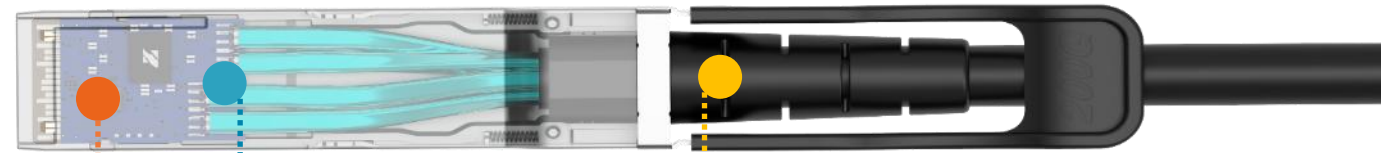
SFF-8417

720° Rotate

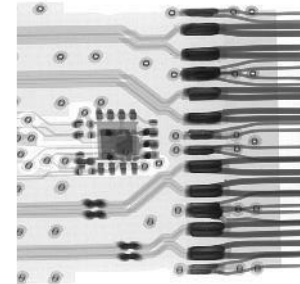


High-Speed Cable X-Ray for Joint Quality Check

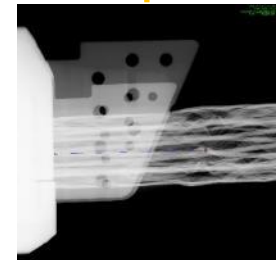
- Non-destructive inspection
- BGA Quality Check
- Solder Quality Analysis
- Defective Root Cause Analysis



BGA Quality Check

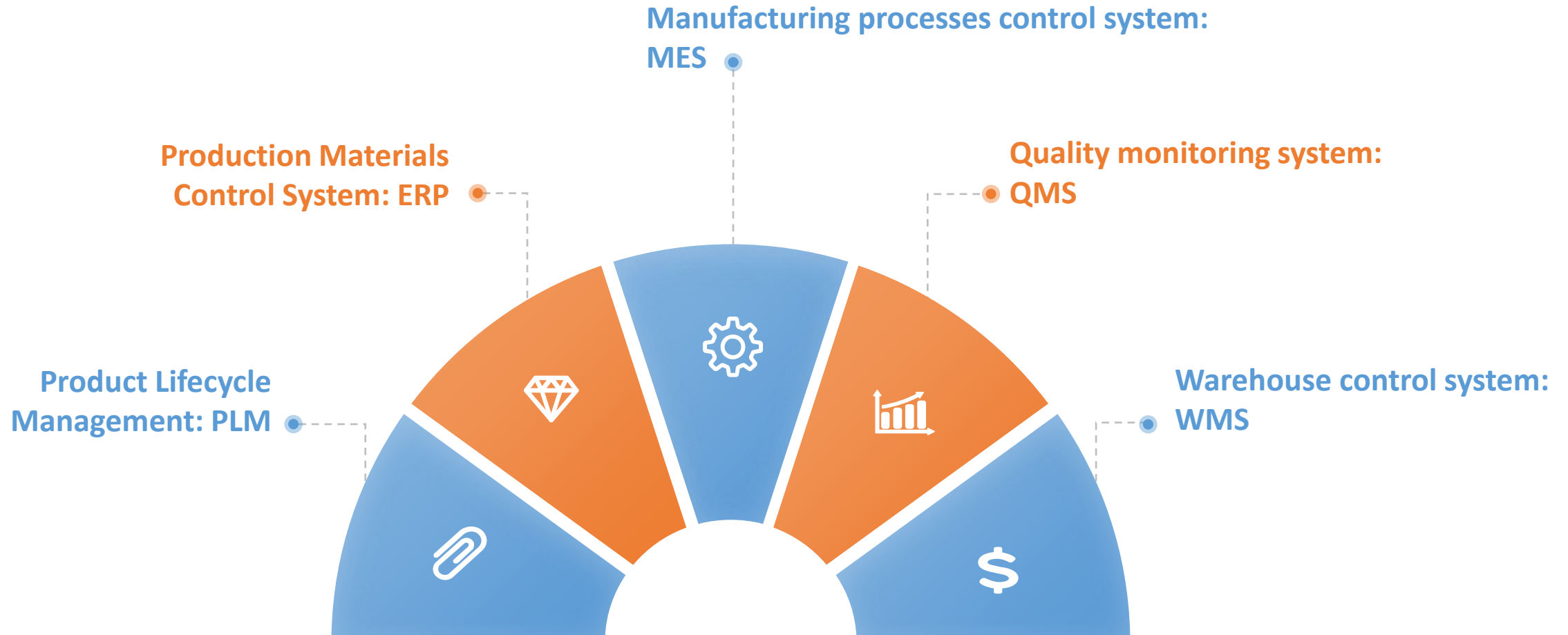


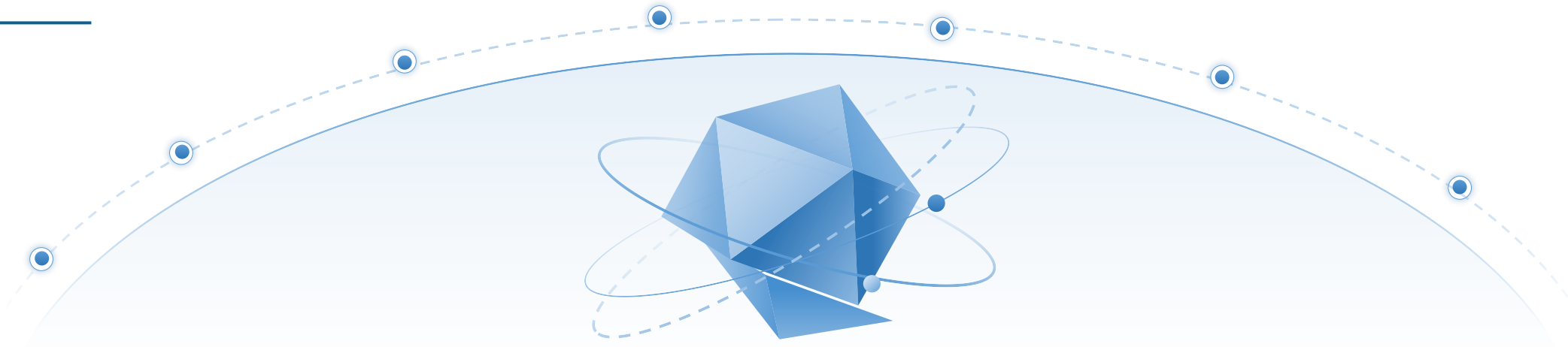
Solder Quality Check



Defective Analysis

- Intelligent control systems are used to control manufacturing processes









01 Caring about people

- ✓ Conduct in a legal ethical and trustworthy manner with partners



02 Being a good corporate citizen

- ✓ Help & support communities near us
- ✓ Protect environmental surrounds us



03 Reduce Carbon Emissions

- ✓ Reduce the energy consumption
- ✓ Deploy renewable energy

- **F**lexibility: multiple qualified vendor base—optimized for quality, cost and lead time
- **A**ccountability: reliable partner recognized by market for structure design, products and logistics
- **S**ystematic: completed product portfolio applied to enterprise network and DC
- **T**echnology: strong industry background expertise with time to market capability

Build once, scale FAST.

Thank you!