smiths interconnect

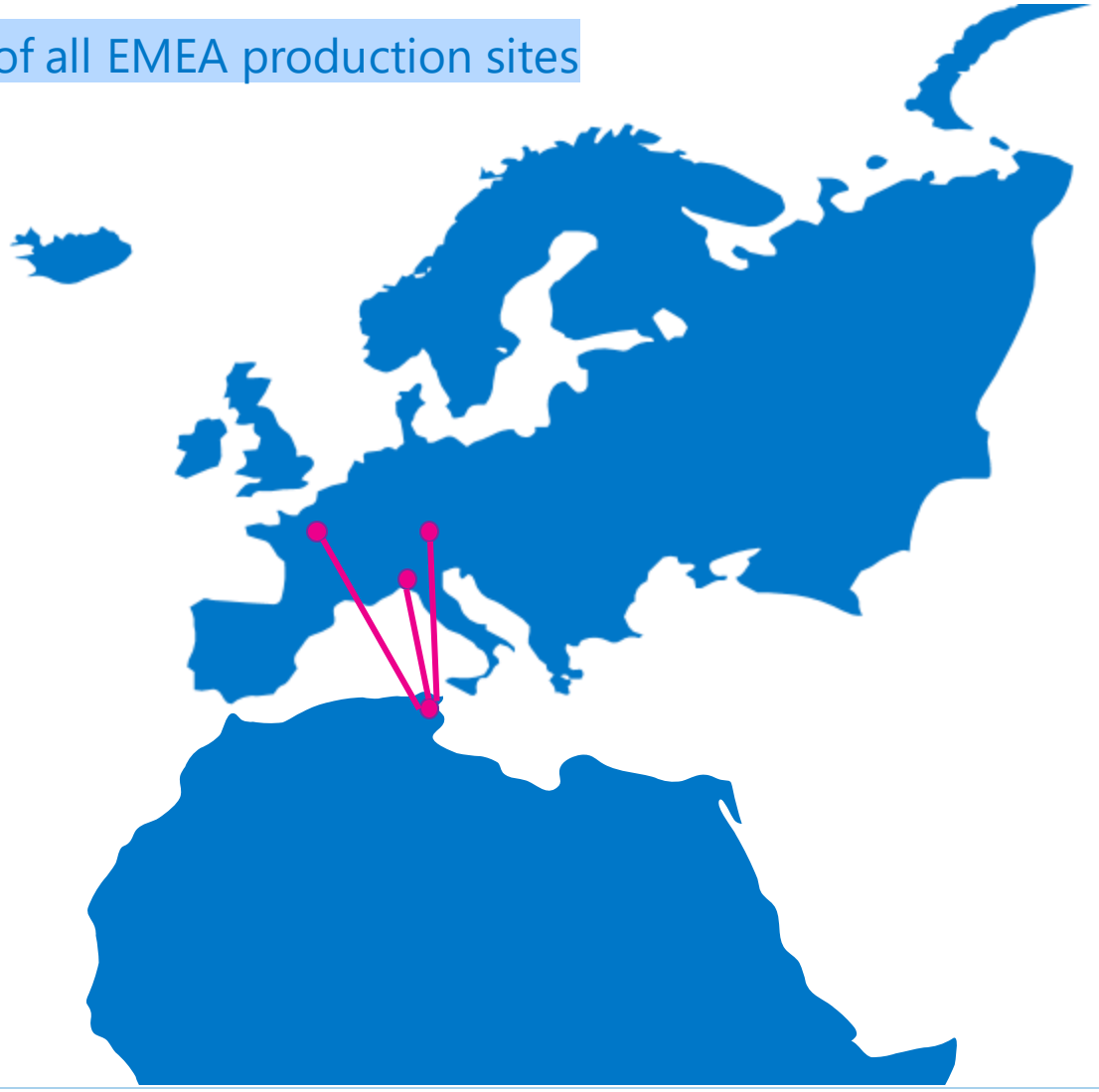
Expansion of Cable Harness Production Capacity

March 2025

CUTTING-EDGE
CONNECTIVITY

Cable harness support to all EMEA sites

Investment for growth in support of all EMEA production sites



EMEA

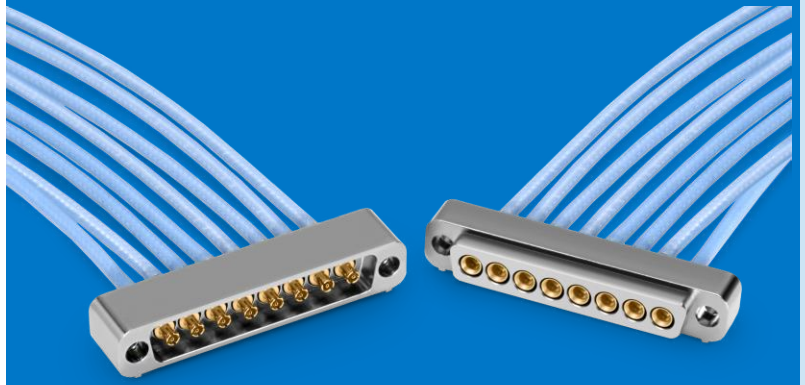
Deggendorf, **Germany**

Genoa, **Italy**

Monastir, **Tunisia**

St. Aubin, **France**

Key Series



Key objectives for our OEM customers and their sub-contractors:

- Reduce total cost
- Reduce lead-time
- Ensure highest quality for parts they are purchasing
- Reduce non-value add materials handling and movements of goods including loading/unloading.
- Reduce stock
- Reduce supply chain
- Drive sustainability in their business through reduce carbon footprint

Target end segments and regions:

For the capability we have developed, we can provide services to aerospace, defence, transportation, and industrial applications with harnessed cables delivered within EU, EFTA (Norway, Iceland, Switzerland and Liechtenstein) and the UK.

Cable Harness Production Capacity Expansion | Value Proposition

Reduce costs

Reduce overall cost, through reducing internal overhead costs (non-value add materials handling and movements of goods including loading/unloading), direct costs with fewer suppliers and inventory. One supplier can match the quantities for connectors to cables allowing the customer to order only what they need based on their stocking principles e.g. order on demand, or, safety stock, etc.

Reduce lead times

Reduce overall lead-time, through reducing non-value add materials handling and movements of goods including loading/unloading to and from another cable assembler.

One-stop-shop

Maintain highest quality traceability, through getting the connector and cable assembly from the same supplier under one quality management system

Reduce movements of goods and unnecessary packaging and unpackaging

Demonstrate commitment towards their sustainability goals, through reducing carbon footprint by removing non-value add materials handling and movements of goods and reduction in packaging

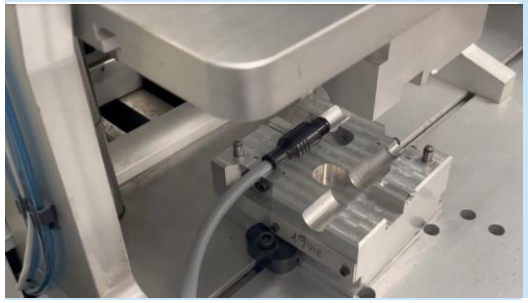
Cable harness manufacturing process – our offering

Cutting and Stripping	▪ Automated cutting machines and advanced stripping tools
Crimping	▪ Semi-automatic and manual crimping machines
Soldering	▪ Automatic and manual soldering
Overmoulding	▪ Encapsulating the wires, terminations, and connectors with a durable material
Ink Printing for Marking	▪ Marking for easy identification, and traceability
Quality Testing and Inspection	▪ Rigorous testing and inspection at multiple stages

Cable harness manufacturing process

Cutting and stripping

- Cut Machine SR-900
- Tying Machine ADT-160-250
- Stripping Electrical Strip ST730T

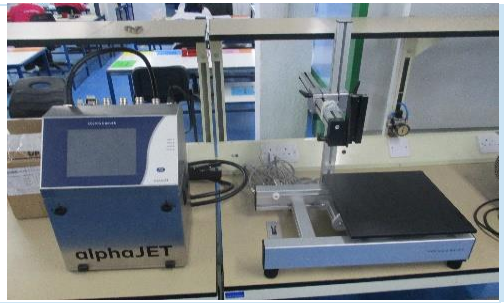


Overmoulding

- additional protection against moisture, abrasion, and environmental conditions

Crimping

- Crimping machine UP35 0481-26000

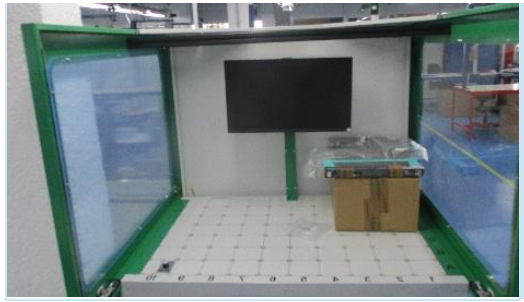


Ink printing for marking

- Ink Printing Jet d'encre AJ5HS-M

Soldering

- automatic and manual soldering adhering strictly to IPC standards



Quality Testing and Inspection

- electrical continuity and pull-out tests, as well as visual, mechanical, and measurement inspections
- Electrical testing I-Cat Système 211.5088400

Cable harness for signal, data transmission, hybrid, armoured and power, as well as coaxial, twinax, triax, and quadrax, Mil-Spec and D-sub connectors

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