



History

Westwire Harnessing was founded in 1987 and moved to their current location in 1989. During these years Westwire grew it's independence as a one stop shop for harness assemblies.

In the mid 90's Raychem Ltd used Westwire as one of the first approved harness shops to manage their harnessing programs. In 1999 Westwire opened an additional site in Cinderford as further support to production manufacturing.

Applications

Westwire harnesses are used in a wide variety of applications. These range from military vehicles and equipment, aircraft, naval vessels to commercial transportation.

Capabilities

Westwire's expertise in the industry has developed over many years, during this time we have grown our product and can offer our customers support with:

- Design & Rapid Prototyping
- Program Management - Production
- On-Site Installations
- Ruggedised Sealed Harnesses
- RF Cable Assemblies
- Extendible Coiled Cable Assemblies
- Ruggedised Cat5/5e, 6 & 7 Cable Systems
- Fibre Optic Cable Assemblies
- Box Build
- MIL-STD-1553B Networks



Project & Vehicle Involvements

- | | |
|-------------------------|--------------------------------|
| • AS90 | • MRAV |
| • BGTI | • Rapier 2000 |
| • Bowman | • Ridgback |
| • Boxer | • Sea King Test Equipment |
| • Buffalo | • Shapaws |
| • Challenger II | • Soothsayer |
| • Clansman | • Stingray |
| • Dascu | • Stormer |
| • IBDS | • Sea Wolf Mid-Life Update |
| • LEAPP | • Terrier |
| • Lynx | • Tigerfish |
| • M-Star | • Turbine Power Plants |
| • Mastiff | • Vixen |
| • Martello | • Watchkeeper |
| • Merlin Test Equipment | • Wheelbarrow Mk8 & Revolution |
| • MAN Trucks | • Wolfhound |
| • MLRS | |



Westwire
H A R N E S S I N G

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Design

Westwire Harnessing offers a comprehensive electrical design service. By working from either current drawings or direct measurements on existing equipment, the geometry of each application is established and an interconnection system devised. The designs are based around an extensive range of harness heat shrink components and multi-conductor cables and comply with the most demanding of electrical, environmental and weight/size requirements.

Drawings

Clear and reliable drawings play a crucial role in the success of any design project. Working from basic data, our designers will produce accurate drawings using HarnWare™ and Visio. A drawing package is carefully identified and fully specified. This approach provides considerable flexibility allowing design modifications to be readily incorporated. Drawings can be individually tailored to comply with any customer's own or company standards. An illustrative selection of drawings is shown here.



A typical design package includes:

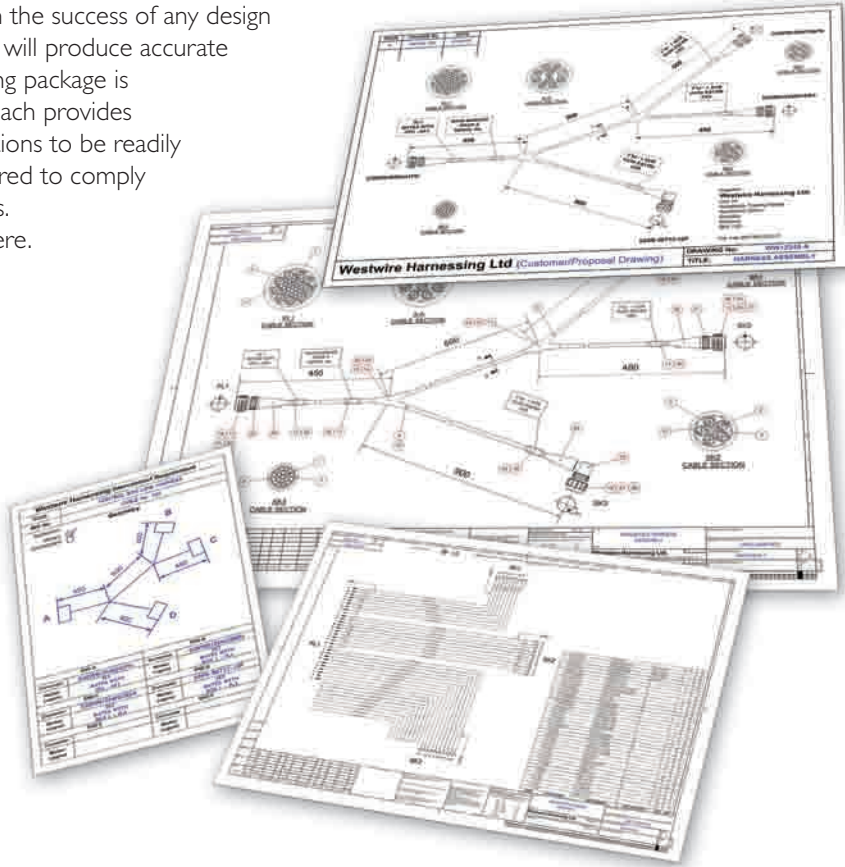
- Interconnection requirement
- Customer proposal drawing
- Harness assembly drawing
- Wiring Schematic
- Part List

Prototype

After a harness design has been agreed, a full working prototype is produced. A range of materials are available to suit particular environmental needs, these can range from harsh military applications to low smoke and zero halogen requirements.

A typical harness includes:

- Connectors
- Backshells
- Moulded Parts
- Wire & Cable
- Tubing
- Marker Sleeves



Manufacturing

Westwire Harnessing has a highly skilled work force capable of both prototype and large volume production work.

Swindon

Westwire Harnessing have their headquarters, management team, design, prototype, production, quality and supply chain are all run from this location.

Cinderford

An extension to Westwire's volume production capability along with Automatic Test Equipment and Quality functions.

Quality

Our dedicated quality team have over 100 years of harnessing experience. Combined with our quality system and processes, all of which are audited by customers and external agencies, our customers are assured of consistent reliable products.

Electrical test procedure for completed harness systems

General visual examination

This ensures that the overall assembly meets all graphical details as shown on the manufacturing drawing and that all products have been installed correctly and are free from defects.

Continuity

Harnesses are tested to ensure that electrical continuity exists between all terminations intended to be connected including screen connections.



Insulation resistance

Measured to ensure electrical isolation of conductive paths.

Voltage proof

Tested to ensure there's no flash over or breakdown of insulation.

Test equipment

All testing shall be traceable to national standards, using MK Test equipment.



AS9100 Registered Company

