

# ENERGY SOLUTIONS

**ES AUTOMATED LOOM SYSTEM** - Custom Cable Assemblies and Wiring Looms



ES Automated Loom System - Outsourced manufacture

- Fast effective production
- Reduces overheads and capital costs

POWER AT YOUR CONTROL

# ES AUTOMATED LOOM SYSTEM

## Custom Cable Assemblies and Wiring Looms

Energy Solutions offers a full service, completely automated, outsourced manufacturing department for custom cables, cable assemblies, cable harnesses and wiring looms.

The department offers a full design and consultancy service which allows us to work with you to understand your exact requirements. Working with your production and project teams we endeavour to bring a fast turnaround to your projects.

- Custom cables
- Cable assemblies
- Cable harnesses
- Wiring looms
- Ink-jet wire marking
- Sets of pre-terminated wires
- Control panel manufacture and assembly
- Cable kits for panel builds

We offer a wide range of cables up to 70mm for customers who wish to use our range. All cables are tri-rated as standard and cables over 10mm cable are all high flex. Outside of these stock products we are happy to supply cable to your own specifications.

### Experienced

We have experience across a range of industries, and work with some of the leading companies in each sector:

- Marine
- Specialist automotive
- Industrial
- Communications

### Current projects include:

- Wiring looms for OEM boat builders
- Cable kits for panel assembly
- Lighting looms

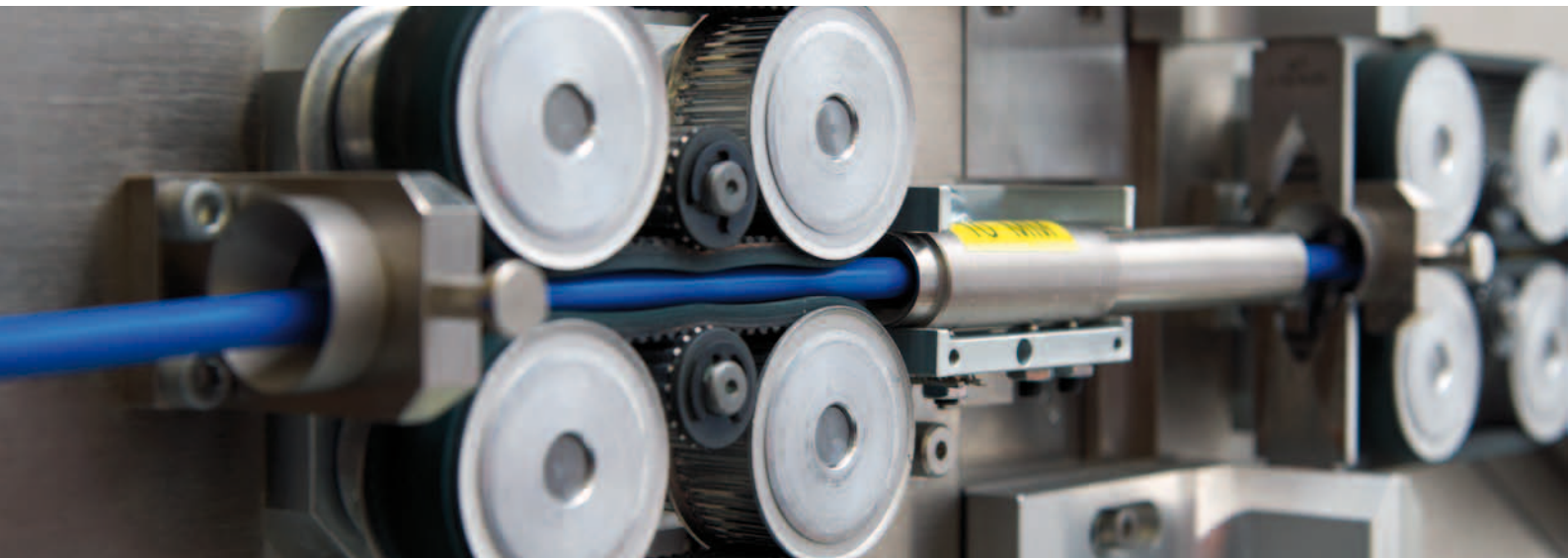
### Consistency and Reliability

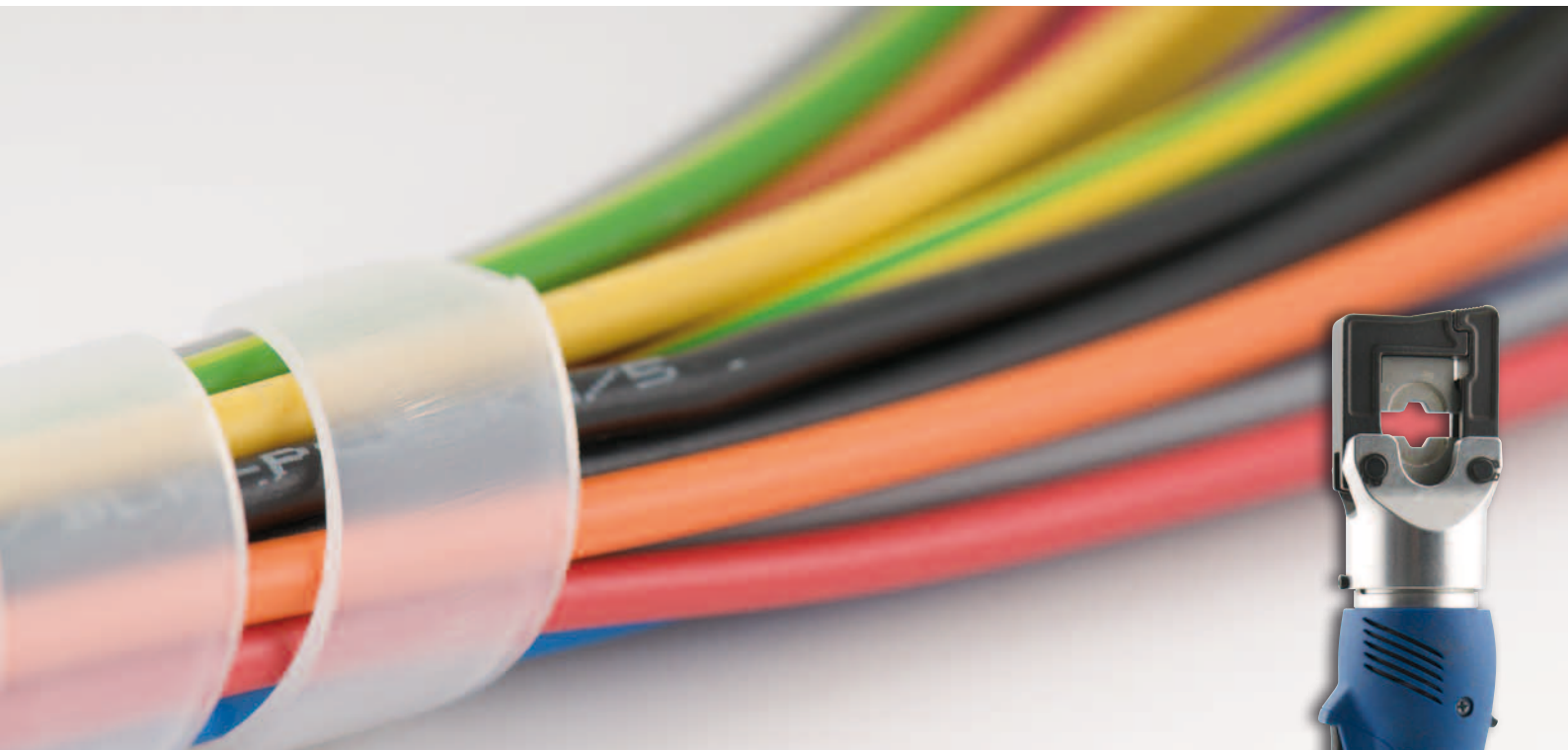
We have an experienced team who focus on delivering to schedule with a consistently high quality product. All production takes place at our main site in Rochester, Kent and goes through quality checks and testing. However, we are aware that plans change and we have the capacity to adjust production as required to ensure we deliver exactly what your project needs.

## Crimping tools



Artos CS-326





Testing equipment, crimping tool and crimps



### Our Process

We pride ourselves on a structured yet fast process to ensure that we deliver exactly what you need. Our dedicated team are available to work with you throughout the project and installation.

- Initial consultation
- Quotation
- On site visit
- Design assistance
- Schematic drawing
- Final consultation
- Work commences

Our system also includes cable printing, wire marking and additional cable preparation as required, ensuring you get a correctly marked and fast to install end product. This helps cut down on installation time, labour requirements and additional documentation.

You will have a project engineer that will work on your business and liaise with you throughout each project.

Our success is based on meeting your requirements and delivering on-time, whether it is a one-off project or an on-going production build.

### Key Benefits:

- Outsourced manufacture – reduces overheads and capital costs
- Latest equipment – fast and cost effective production
- Design consultancy service – expert help to ensure correct specification.

Experience in Marine, automotive and industrial sectors – understanding of the complexities allows greater speed and enhanced end products.



## ES AUTOMATED LOOM SYSTEM



### Why use our system?

Totally electronic and fully programmable, our system features two breakthrough technologies: a micro controller system that's been custom designed to control the most demanding wire stripping applications; and a powerful servo-driven design, able to provide a degree of speed and accuracy that's simply not possible with stepper motor designs.

Our system also has its own computer– a powerful tool for fast and easy data management. Not only does it utilise a standard PC operator interface, but it has a memory capacity that's virtually unlimited, enough to store and recall all important machine functions for all applications: wire size and length, strip lengths, number of

pieces, etc. In addition the system has software allowing on or off-line programming which allows us to update programming without stopping production.

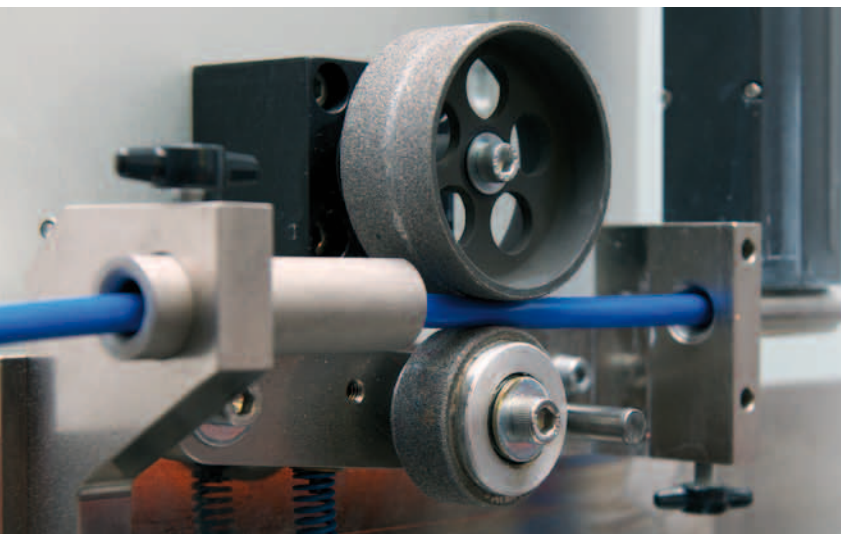
### Cable/Wire Printing

We are able to print full alphanumeric data onto cable up to 35mm, with a 90 characters text capacity.

### Printed Heat Shrink Labels

We offer a service to print heat shrink labels. These are available in a wide range of sizes and colour, please call for information and availability.

## Cable Assembly Technical Data



### Cable Assembly Technical Data

#### Cable size:

Up to 70mm

#### Wire Cutting Lengths:

Minimum: 1/4" (6.4mm)

Maximum: 3900" (100M)

#### Wire Stripping Lengths:

Minimum: Programmable to 0.01" (.254mm)

Maximum: 39" (1000mm) wire dependent

## ENERGY SOLUTIONS

George Summers Close, Medway City Estate, Rochester, Kent ME2 4EL UK  
tel: +44 (0)1634 290772 Fax: +44 (0)1634 290773  
email: sales@energy-solutions.co.uk web: www.energy-solutions.co.uk