

Advanced coil winding technology and expertise. Used by leading companies worldwide.

COIL WINDING & ELECTRO MECHANICAL ASSEMBLY

global solutions

- ➔ Best possible **SOLUTION**
- ➔ Competitively **PRICED**
- ➔ Delivered as **SCHEDULED**



www.nde.co.uk



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North Devon Electronics has achieved an enviable reputation in the electronics industry through our dedication to providing all our customers with the best possible solution to their need for high quality wire wound components, competitively priced and delivered on schedule.

Many years of experience, continued investment in custom designed production machines, a highly conscientious and loyal staff and a determination to utilise emerging technologies means that you can rely on us to support you all the way. From product concept, through to prototype and then volume production our customers rely on us to be part of the team helping you to get your products to your customers on time - every time!

We always investigate and appraise new production equipment, processes and materials to ensure that we keep our customers satisfied and to consolidate our success. In the UK, our high quality wound products are found in many applications including aerospace, automotive fuel injection and security, hydraulics, music systems, power supplies, scientific equipment, vending machines and many others. Our ability to provide a reliable, competitive and quality service has resulted in export success, including Asia, USA and Europe where we supply customer designed wire wound components to leading international electronics manufacturers.

A significant part of our turnover covers specialist applications. That's why customers with challenging or unusual winding requirements are particularly welcome at NDE. If it can be done, we can do it!



“NDE... the best possible solution, competitively priced and delivered as scheduled.”





Our reputation as one of the leading UK specialists in the production of coil wound components is based on more than 30 years dedicated experience. Since 1974, when we started production at our Braunton facility, we have applied all our skills and resources to the production and supply of custom designed coil wound components for the electronic and electrical industry.

Ralph Gordon, our Director and General Manager since the first day heads up extremely loyal staff and production personnel that can operate on a three shift production schedule. Constant inward investment has resulted in the operation of modern, specially designed high volume production machines that are capable of producing quality components in hundreds of thousands to meet scheduled delivery anywhere in the UK.

From prototype through to final production NDE can help the design and production requirements of any Company with the need for wirewound components.

We cover all technologies and materials and if called in at an early design stage we can make high costs savings.

NDE – THE MILESTONES

- 1974** Registration of Company
- 1984** 1st Floor production area added
- 1988** Accreditation with BSI BS5750 Part 2
- 1991** Ship to stock agreements with key customers
- 1993** EDI Forecasts & Orders Rec. with key customers
- 1995** 1st Auto line built
Self billing invoice introduced by key customers
Presented with SONY QUALITY AWARD
Developed returnable packing with key customers
- 1996** Accreditation updated to ISO 9001
- 1997** Purchased adjoining office block and production unit
- 1998** CAD for M/C design introduced
- 1999** Lean Thinking Training started
- 2001** CMM M/C installed
80 Ton Vertical Moulding M/C to be installed
- 2002** Update to ISO 9001 2000
- 2003** Develop induction solder automation
- 2005** Design and build automatic assembly/solder/test/packing line
- 2006** Add visual inspection system to auto line
- 2007** Planning Approval to TS16949
- 2008** Build second large auto assembly machine
Re-layout and update cell manufacturing areas
- 2009** Update to ISO 9001 2008

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OUR EXPERIENCE



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COMPONENT TYPES & PRODUCTION CAPABILITY



At NDE we design and produce custom designed wirewound components and assemblies of all types including:



- Air spaced
- Bonded coils
- Ferrite
- Inductors
- Laminated
- LVDT windings
- Solenoid windings
- Specials
- Toroidal
- Transformers



Throughout our Branton manufacturing facility our personnel are trained and skilled in the many methods of production including:

- Hand winding
- Single spindle winding
- Multi spindle winding
- Fully automated winding and assembly
- Hand soldering & assembly
- Automated soldering
- Inductive soldering
- Injection moulding
- Laser marking



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As part of our design and production strategy we continually monitor the use of new materials and production techniques to ensure that we are passing on to our customers the advantages of developing technology in terms of quality, performance and cost.

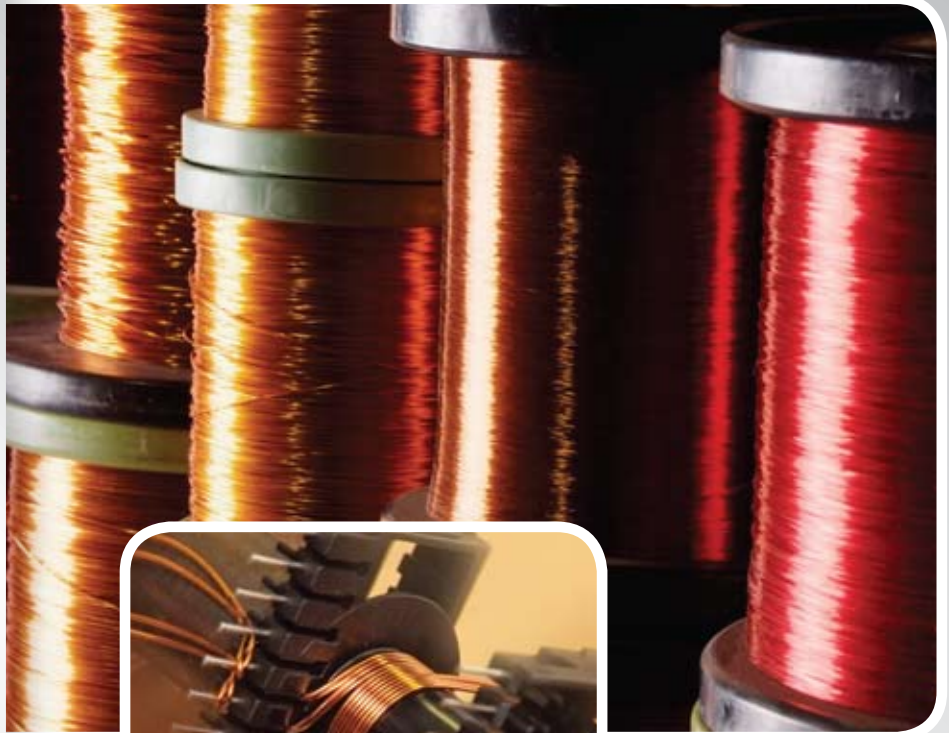
We do, of course, welcome visits to North Devon to see our facilities and to show you how we can assist with your project, produce a prototype and most importantly deliver components in the quantities you want when you want them.

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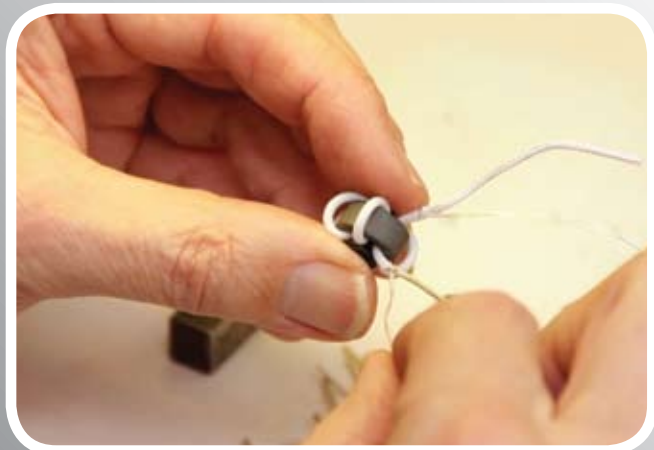


Our R & D engineers enable us to constantly monitor the latest materials and winding technology available.



Technical staff are always on hand to assist, advise and participate in design and development operations with the customer's own design engineers.

NDE are always willing to produce accurate samples or prototype batches as soon as design and material specifications have been finalised.



DESIGN & DEVELOPMENT



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HIGH VOLUME PRODUCTION



NDE continues to invest in new equipment and technology and this allows us to supply many sizes and varieties of coil – from sub-miniature to 100 VA transformers.

NDE has a diverse customer base and supplies the differing needs of each specialist sector - aerospace, automotive fuel injection and security, consumer, hydraulics, music systems, power supplies, scientific equipment, vending machines and many others.



Much of our production uses fully automated processing and many of our wide range of machines are microprocessor or computer controlled. These automatically wind, bond, solder, lead cut and terminate during the winding cycle. Universal winding facilities for small and medium size batches are available on various types of single spindle machines that require a minimum of tooling and setting-up costs. Batches of 10 - 60,000 units per week are typical production runs.

For the full duration of each production shift, the checking and monitoring of machines continues, whilst product supervision is constantly alert. We believe this approach which helps to drive improvements in our efficiency is a major factor in NDE's success in becoming a significant European supplier.



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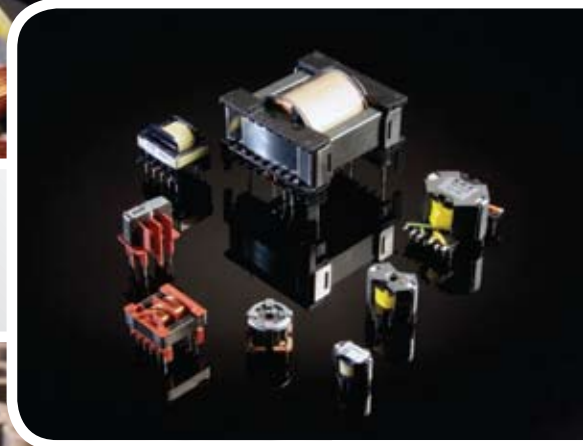
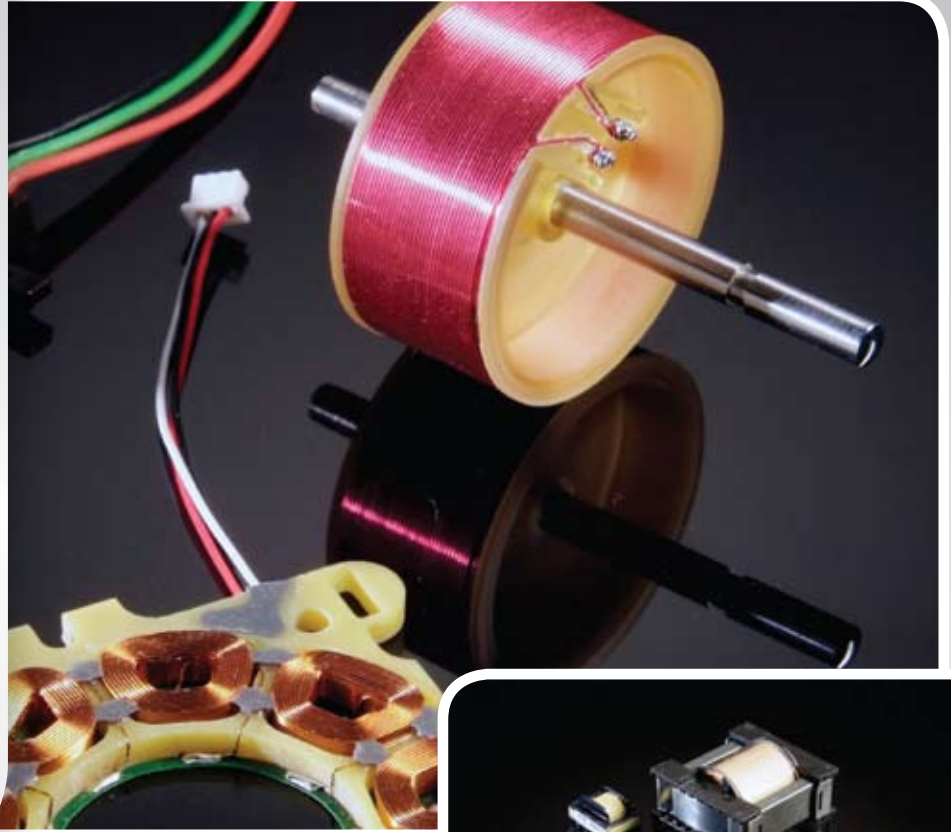
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Although the majority of NDE production tends to be in the high volume sector there are certain types of winding which do not readily conform to these techniques.



The diverse skill levels and accumulated knowledge of our staff allows you to have the confidence in knowing that difficult or unusual configurations are no problem to NDE.

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SPECIAL WOUND PRODUCTS



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ENVIRONMENT



NDE recognises the importance of environmental issues within a changing world and the responsibility we all have to influence change for the positive.

We understand that waste is not just about raw materials, but also the energy and resources consumed in adding value.



We align ourselves with current legislative requirements affecting the sourcing, utilisation and end of life requirements for all materials used in our products.

We support the use of returnable packaging and recyclable materials.



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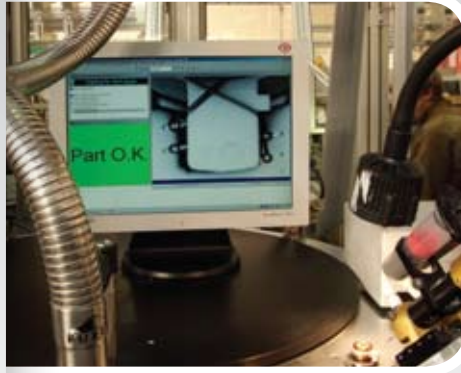


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QUALITY ASSURANCE



Our QA Department provides strict overseeing of all production aspects from the selection of the required materials to the checking of windings throughout the production run.



NDE recognises the wide diversity of its customer base. Quality Assurance requirements therefore cover many sectors including, amongst others, aerospace, automotive, medical and power supplies each with differing mandatory compliance.

To support these requirements we have a flexible approach towards integrating customer specific needs. This allows a custom solution using standard tools such as SPC, PPAP and FAIR or co-developing agreed product build standards.

In order to provide a framework on which to develop further Quality Assurance activities, NDE maintains BS EN ISO 9001 compliance against the latest revision.

Working with our customers, we have developed many practical solutions that have taken into consideration application, volume and product complexity.



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