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ADVANEX

COMPONENT SPECIALISTS FOR THE AUTOMOTIVE INDUSTRY

Part of the Advanex Global Network



ABOUT US



At Advanex Europe we specialise in the design and manufacture of components for the automotive market.

As part of the global Advanex Incorporation group of companies we have access to a global infrastructure covering over 23 operations worldwide.

Our components and manufacturing processes help our customers to improve performance and efficiency.

CORE VALUES

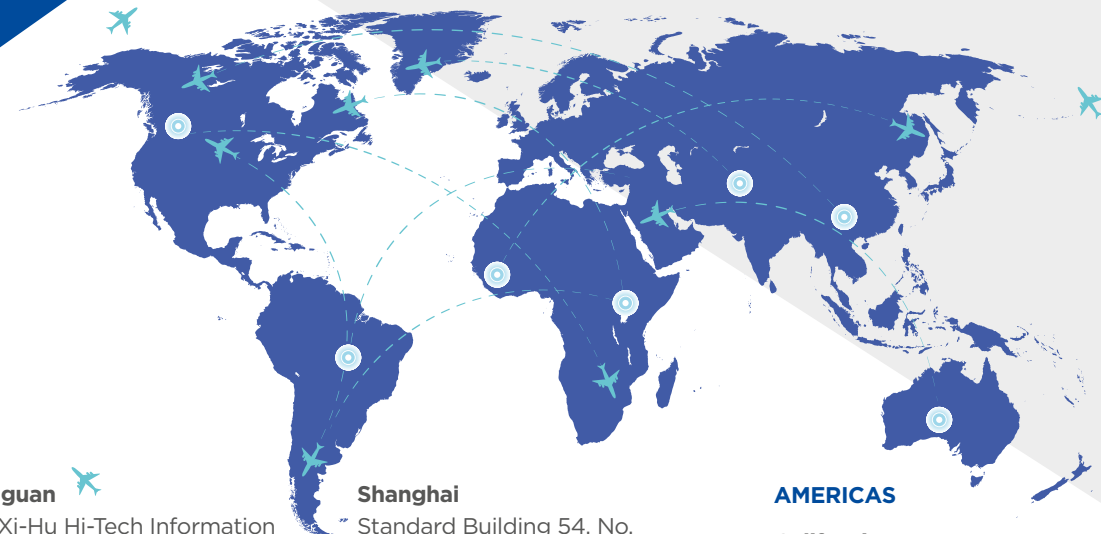


Advanex has 7 core values that are shared across the globe. Our core values are integral to our business and help us to exceed the expectations of our customers, suppliers and team members. They are our working style and sense of value. It is important for us to keep them at the front of our mind and review regularly.

- Be Unique**
We don't mimic others. Uniqueness is the value that sets us apart. If it's not unique, we cannot succeed.
- Embrace & Create Change**
We embrace change. Through facing our fear of change we are able to learn from it and move on. Where there is no precedent we initiate and innovate.
- Kiss - Keep It Simple & Speedy**
We keep it simple. We do not unnecessarily overcomplicate. Speed keeps us ahead.
- Act With Your Own Initiative**
'I was told to do so' or 'I had to do it' are reactive. Through feeling empowered to do something under our own steam we move our ideas forward.
- Focus On Your Own Responsibility**
We take pride in our own work and perform it as we should and beyond.
- Put Your Heart Into It**
Our contribution comes from the heart. We are passionate about what we do.
- Enjoy Your Work**
Our work is about more than just our working day. The enjoyment of our work is seen in the pride we have in our workplace and spread beyond our working day.

GROUP OF COMPANIES

OUR NETWORK SPANS THE GLOBE



JAPAN

Tokyo

Tabata Asuka Tower 6-1-1
Tabata, Kita-ku, Tokyo 114-8581,
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Singapore

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Hong Kong

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Vietnam

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Thailand

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Shanghai

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Shanghai, China 200131

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B3, No.12, Xinhui Road, Wujin,
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China

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PT. Yamakou Indonesia
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AMERICAS

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EUROPE

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Mill Park Way, Southwell,
Nottinghamshire,
NG25 0ET, UK

T: +44(0) 3300 539-110

Germany

Schifferstraße. 170
47087 Duisburg, Germany

T: +49(0)170 362 3358

EUROPEAN CAPABILITIES



Advanex Europe

located in Nottinghamshire,
United Kingdom

Advanex Southwell

established in the UK in 1988.

Advanex Bilborough

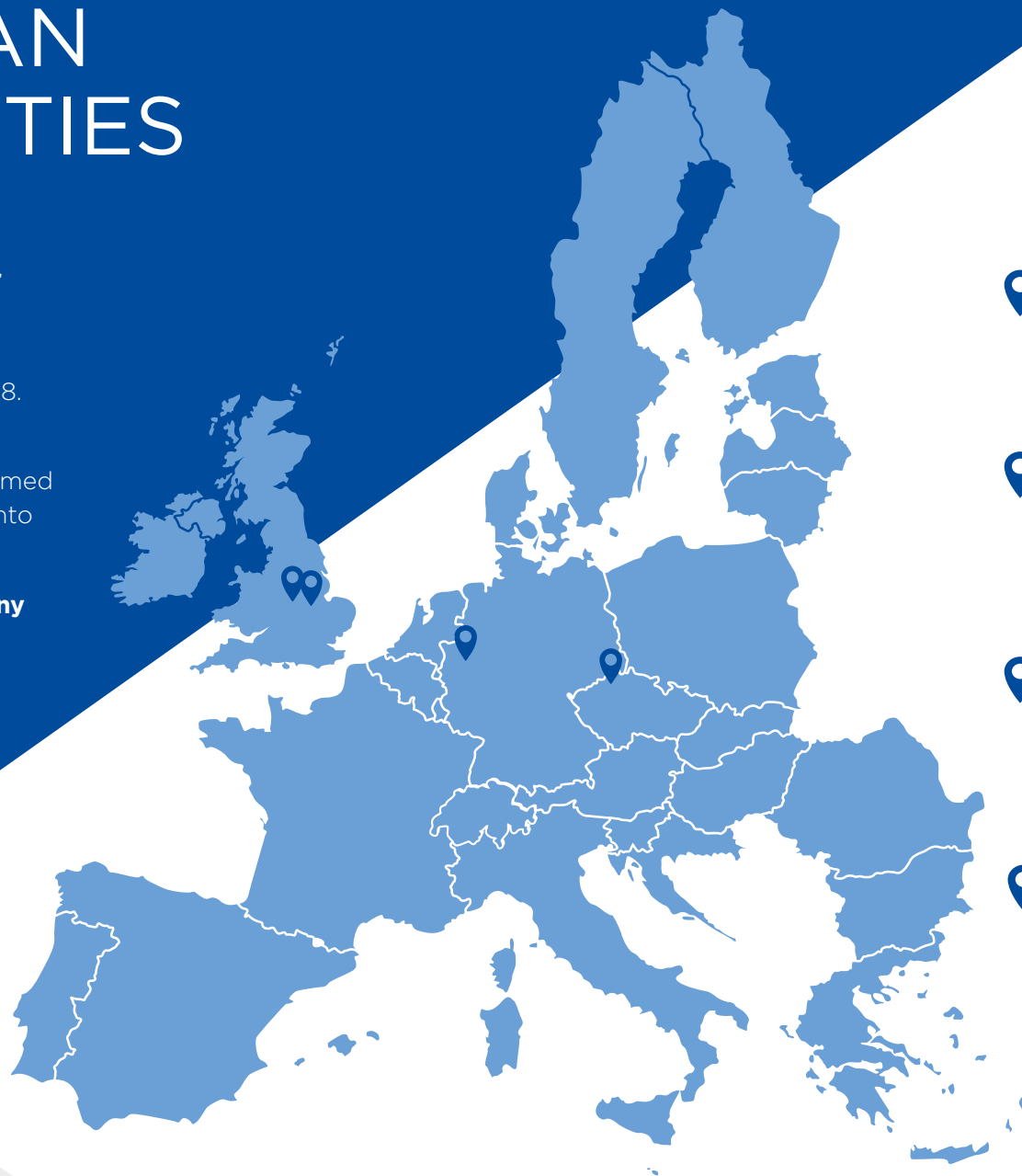
(formerly Entex Springs formed
in 1937) was incorporated into
the Advanex group in 1993.

Advanex Duisburg, Germany

German site launched
in Duisburg for the
automotive sector.

Advanex Czech Republic

Opening 2019.



European Sites



Advanex Europe Southwell, UK

Mill Park Way, Southwell,
Nottinghamshire, NG25 0ET
T: +44(0)1636 815555



Advanex Europe Bilborough, UK

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T: +44(0)115 9293931



Advanex Duisburg, Germany

Advanex Europe GmbH
Schifferstraße. 170
47087 Duisburg
T: +49(0)170 362 3358



Advanex Czech Republic

Opening 2019
T: +42(0)737 376 082

EXPERTISE

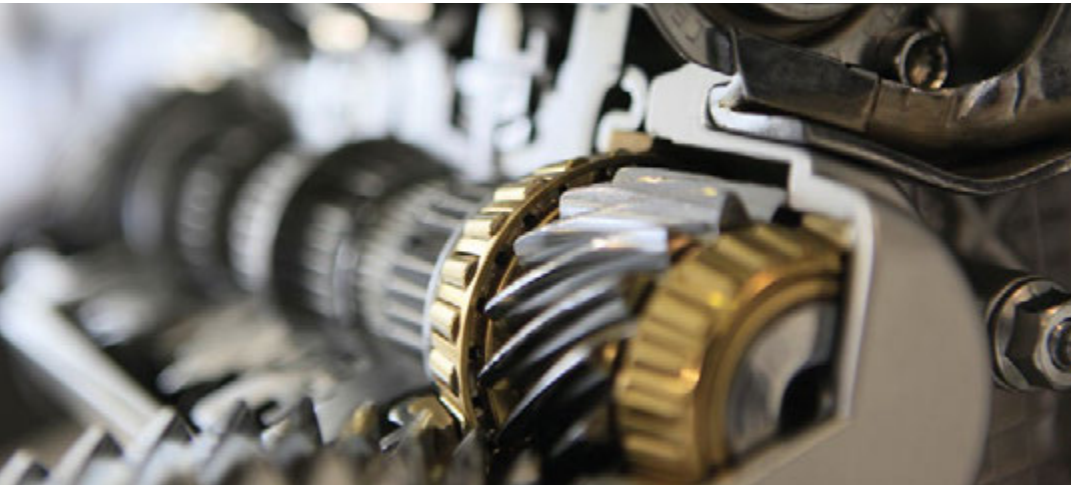
The success of every product is driven by design and development. Advanex Europe employs a team of dedicated engineers to ensure the reliability and continued performance of every part we manufacture.

CUSTOMER SUPPORT

Whether a new or existing product we provide full technical support with design and project management.

This ensures an effective and efficient design that fulfils your requirements. This also guarantees that the design is manufactured by the most economical method to keep costs to a minimum. We are also flexible in our approach with our clients. If you feel it would be more beneficial for us to see your product and discuss “face to face” then we are happy to visit you as required.

At Advanex we understand the competitive nature of modern business and so offer a fully confidential service to meet whatever demands you have. To complement our service our logistics centre offers vendor management and ‘Just In Time’ deliveries to suit your requirements.



CAPABILITY

PLACING YOUR REQUIREMENTS AT THE HEART OF EVERYTHING WE DO



At Advanex we use our years of experience to produce quality products for our customers whilst utilising skilled and dedicated staff to produce innovative solutions, project development and design optimisation.

Bespoke machinery, tools and skill sets are essential to our manufacturing processes to allow us to offer you accurate, reliable and effective products to suit your needs.

Continually improving our people and processes, Advanex can provide valuable engineering assistance whilst offering value for money.

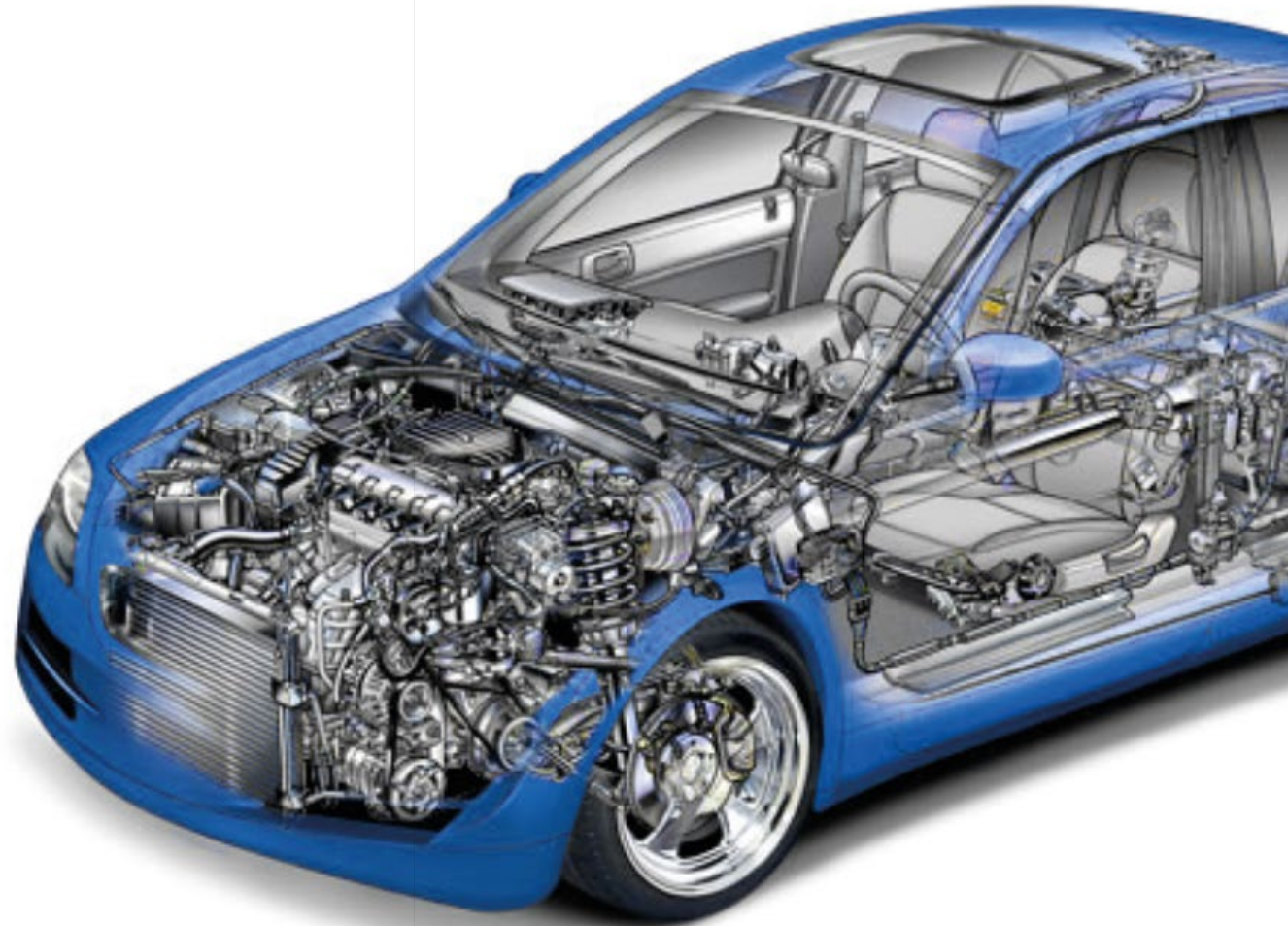
With Advanex you can be assured that first class customer service and production capabilities comes as standard.

We are certified to IATF 16949, the world's most recognised quality management standard in the automotive industry.

Whatever your requirements, we work closely with our clients throughout the design, development and manufacturing process.

AUTOMOTIVE PRODUCTS

Advanex provides the engineering support for automotive customers from the development stage through to mass production. We have production facilities across the globe at sites including Europe, America, Japan and Asia. Advanex offer solutions that reflect the current market trends and demands of the automotive industry.





Insert Mouldings

GPS systems
Proximity sensors
Airbag release units
CD / Audio systems
TV / Mobile devices
Switch units



Extension / Tension

Frame suspension
Rearview mirrors
Windscreen wipers
Seat suspension
Brake systems
Control systems



Compression

Seat adjusters
Indicator units
Brake systems
Air conditioning
Exhaust systems
Pressurised filler caps
Seatbelt locking
Heating systems
Fuel pump systems



Torsion / Wire Forms

Drive chain mechanism
Central locking
Grab handles
Brake systems
Sunroofs
Rearview mirrors
Air / oil sumps
CD / Audio systems
Throttle control units



Insert Collars

Sensor clusters
Ignition control
Camshaft control
Manifold intake assembly
Plastic assemblies



CoilThread® Inserts

Gearboxes
Engine components
Oil sumps
Antennas
Chassis



Pressings

Audio systems
Seat frame suspension
Seatbelt locking
Alternator / starters
TV / Mobile devices



Deep Drawn

Sensor parts
Pin plugs
Audio plug in
Probe pin

WIRE PRODUCTS

Producing all types of coil springs and wireshapes from 0.1mm to 3.00mm wire diameter. In a wide variety of materials from carbon spring steels to alloy wires. Catering for low volume prototyping manufacture to high volume production manufacturing.



COMPRESSION

Seat adjusters
Indicator units
Brake systems
Air conditioning
Exhaust systems
Pressurised filler caps
Seatbelt locking
Heating systems
Fuel pump systems



TORSION

Drive chain mechanisms
Central locking
Grab handles
Brake systems
Sunroofs
Rear-view mirrors
Air/oil sumps
CD/audio systems
Throttle control units



TENSION/EXTENSION

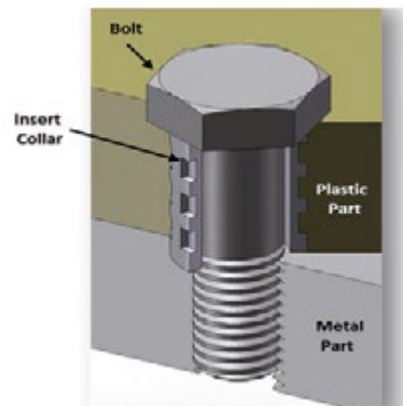
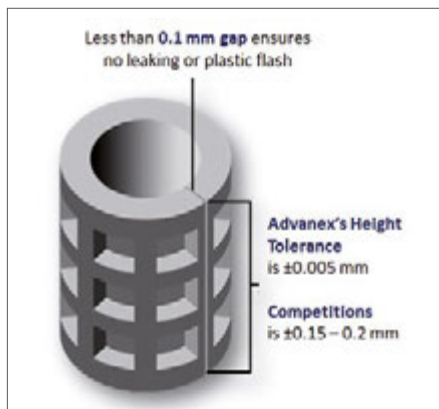
Frame suspension
Rear-view mirrors
Windscreen wipers
Seat suspension
Brake systems
Control systems
Lock systems
Latch systems
Bonnet release

INSERT COLLARS

Plastic components and assemblies are used extensively by the aerospace, automotive, electronics, and commercial industries. Although the variety of plastic applications are endless, and design requirements are diverse, there is one common denominator - they all require reliable fastening.



Advanex Insert Collars are compression limiters designed to safeguard plastic the components of an assembly.



Ignition Coil



Plastic Assembly



Automotive Sensor Cluster Assembly



PRESSINGS

There is an infinite variety of shapes of flat springs and pressings only limited by imagination, but it requires the support of an experienced design team to ensure the right design solution is achieved for functionality and form.



MATERIALS

Spring steels, stainless steels, copper alloys, nickel alloys, and a range of special materials such as titanium, elgilloy, hastelloy, kanthal etc.

FINISHES

Electroplating, organic zinc coatings, autophoretic painting, phosphating, oiling, or as required.

PROCESSES

Hand manufacturing, press work, multi-slide manufacture, photo-etching, laser cutting, wire eroding, vibro-deburring, barrelling, shot peening.

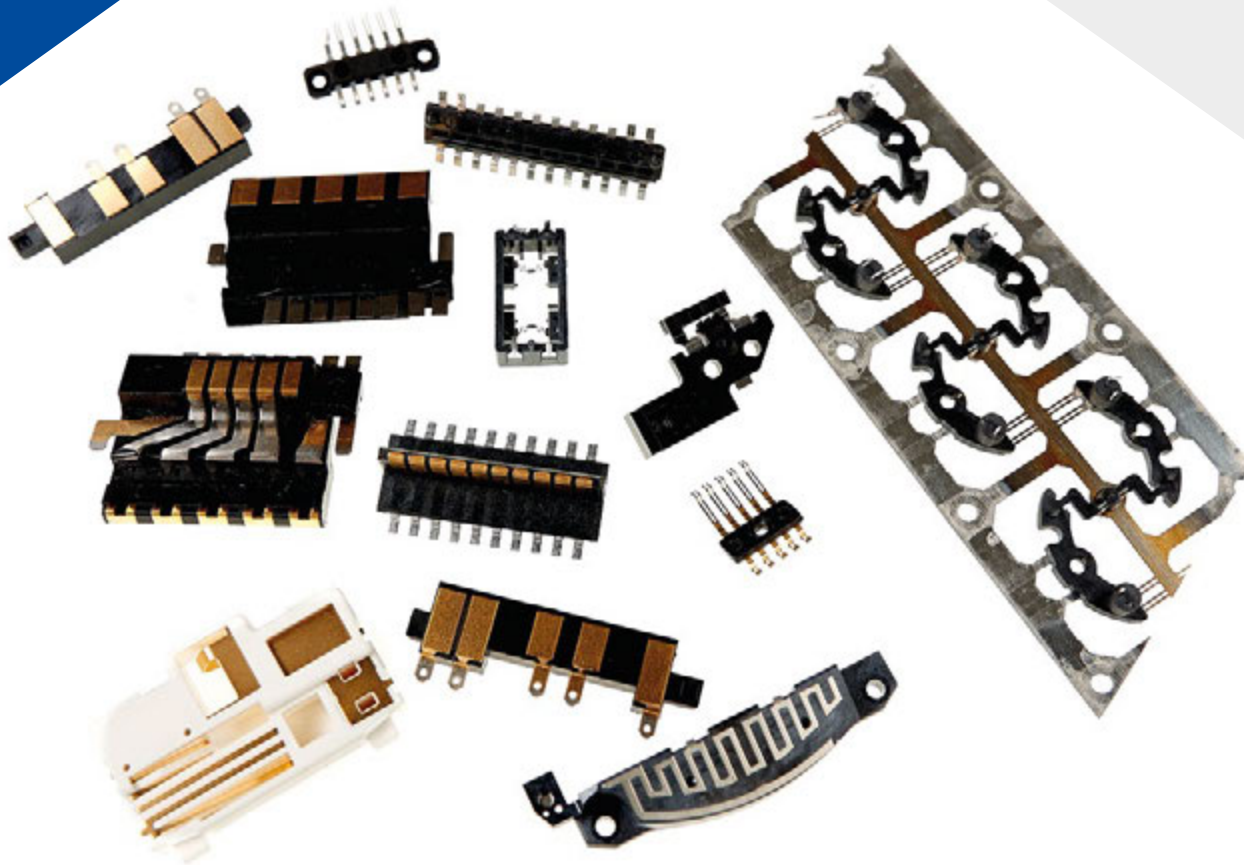
REDUCED SCRAP

This reduction in scrap material benefits our customers with not only the cost but reduces the overall affect to the environment.

INSERT MOULDING

Insert moulding components combine metal and polymer materials. This requires various factors to be correct to achieve precision components at efficient production speeds.

Advanex combines plastic injection moulding technology, with extensive metal stamping skills, in a single production line to achieve the highest quality from high volume production.



MANUFACTURERS OF THE
INDUSTRY ACCREDITED

KATO
CoilThread[®]

WIRE THREADED INSERTS

**With over 25 years of experience, our
inserts meet all commercial standards
and full traceability is provided for
customer peace of mind.**

FREE OF FOREIGN OBJECT DEBRIS

No tang to break off, retrieve, lose or count. The Tangless[®] design saves time and reduces risk of foreign objects remaining within a critical application.



SAVING TIME

Bi-directional design eliminates the need to orientate the inserts for installation significantly reducing installation and inspection time. Strip feed packaging also speeds installation time.

REUSABLE

The quick easy removal means no damaged threads and this non-destructive removal prevents damage to expensive machined parts or castings.

MATERIALS

The standard range is manufactured from diamond shaped cold-rolled Type 304 Stainless Steel wire (AS7245), which is finished to provide a surface which is exceedingly smooth, virtually eliminating friction-induced thread erosion.

QUALITY

Tangless[®] inserts conforms to all major global specifications.

DEEP DRAWN

Advanex can currently produce components well in excess of fifty times length as opposed to diameter (LDR 50:1) but we are constantly challenging our technology and are pushing the boundaries.



PROCESS

Deep drawing is a process which uses tensile forces to stretch metal to a cylindrical shape, these have been used across a wide range of industries including automotive.

FUNCTIONAL

From a functional standpoint, deep drawn metal forming produces high strength and light weight parts as well as incorporating shapes and

other forms impossible with some other manufacturing processes

COST SAVING

Deep drawn metal forming is particularly economical at high volumes, where reduced processing cost significantly lowers piece-part cost. At smaller volumes, the process can be more economical than progressive die stamping due to reduced tool costs

ADVANTAGES

Deep drawn components offer the advantage of being able to replace several components within a device or product with one formed part.



ADVANEX

GLOBAL DEVELOPMENT PARTNER AND SOLUTION PROVIDER

For more details contact us on

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or email sales@advanex.co.uk

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