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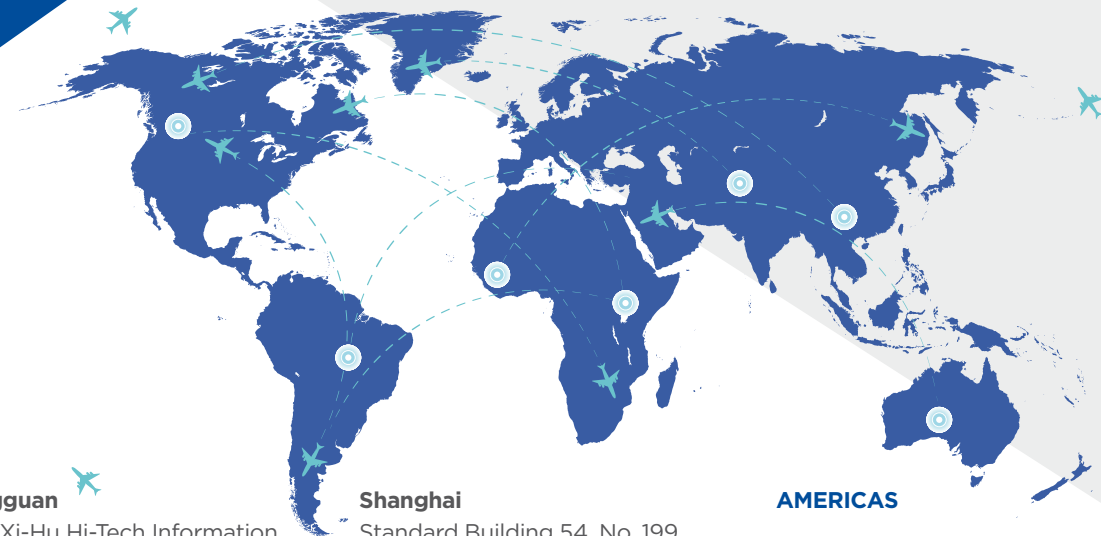
## World Leaders in Precision Engineered Solutions & Products

Part of the Advanex Global Network



# GLOBAL OPERATIONS

## OUR NETWORK SPANS THE GLOBE



### JAPAN

#### Tokyo

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

T: +81-3-3822-5864

F: +81-3-3822-5871

### ASIA

#### Singapore

2306 Bedok Reservoir Road,  
Singapore 479224, Republic Of  
Singapore

T: +65-6448-8639

F: +65-6448-1207

#### Hong Kong

Room No. 802B, 8/F Empire  
Centre, 68 Mody Road, Tsim-  
shatsui East, Kowloon, Hong  
Kong

T: +852-2708-8806

F: +852-2708-8773

### Dongguan

No.9 Xi-Hu Hi-Tech Information  
Industrial Park Shilong Town,  
Dongguan City, Guangdong  
Province 523325, China

T: +86-769-8618-6600

F:

+86-769-8618-6660

### Vietnam

Lot F3 Phuc Dien Industrial  
Zone, Hai Duong Province,  
Vietnam

T: +84-320-354-5075

F: +84-320-354-5076

### Thailand

Hi-Tech Industria L Estate, 151  
Moo 1, Tambol Bann-Len, Am-  
phur Bang Pa-In, Pranakornsri-  
Ayutthaya, 13160, Thailand

T: +66-35-314200-5

F: +66-35-314208-9

### Shanghai

Standard Building 54, No. 199  
North Ri Ying Road, WaiGao-  
Qiao Free Trade Zone, Shang-  
hai, China 200131

T: +86-21-5046-1717

F: +86-21-5046-0707

### Dalian

Dong Bei Street 3-29, Dalian  
Development Zone 116600,  
China

T: +86-411-87505525

F: +86-411-87505529

### Changzhou

B3, No.12, Xinhui Road, Wujin,  
Changzhou, Jiangsu, 213164,  
China

T: +86-519-68768868

F: +86-519-68768866

### Indonesia

PT. Yamakou Indonesia Ka-  
wasan Industri Lippo Cikarang,  
Blok C1-16, Bekasi 17550, Jawa  
Barat, Indonesia

T: +62-21-897-4272

F: +62-21-897-4275

### AMERICAS

#### California

5780 Cerritos Avenue,  
Cypress, California  
90630, U.S.A

T: +1-714-995-4519

F: +1-714-995-7294

### EUROPE

#### UK

Mill Park Way, Southwell, Not-  
tinghamshire,  
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**  
Glaisdale Drive, Bilborough  
Nottingham, NG8 4JY  
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

# 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.

# QUALITY

## 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.

We have achieved a range of accreditations and certifications that give our customers the reassurance that quality is at the heart of everything we do.

These include:

- ISO 13485

- AS 9100 approval
- TS 16949
- ISO 9001
- ISO 14001

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

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

We have recently achieved AS9100 approval - the world's

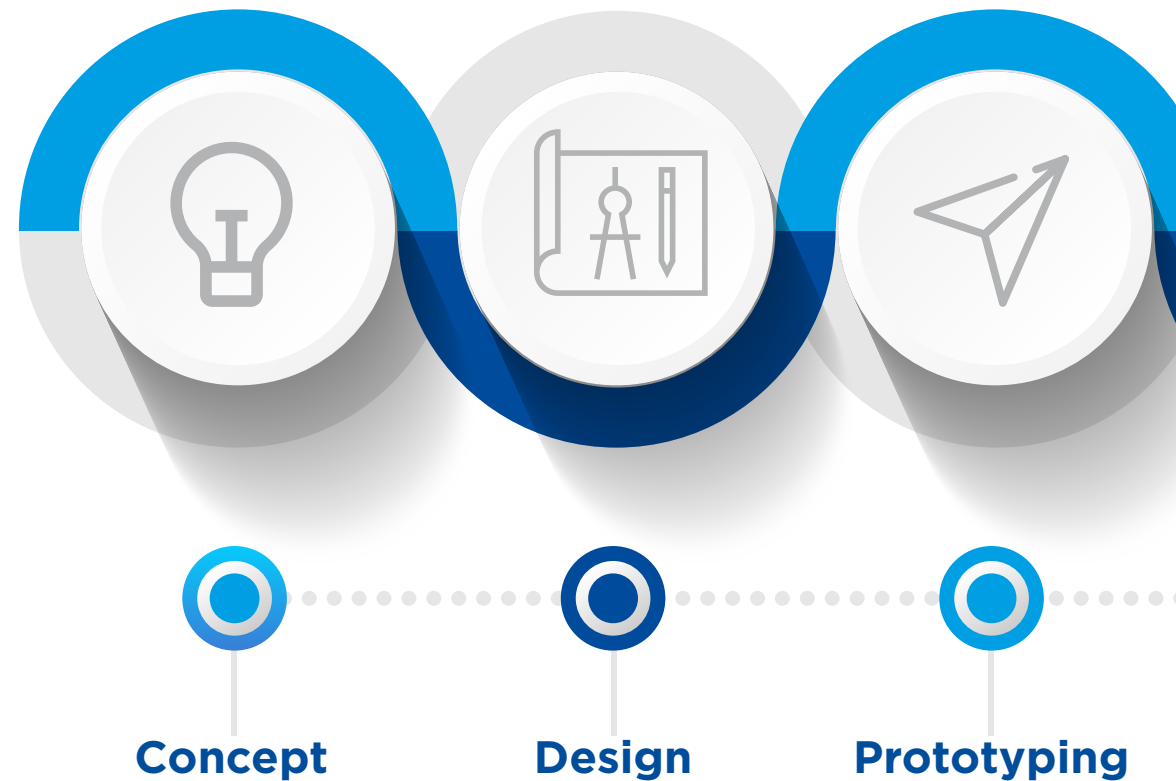
most recognised quality management standard in the aerospace industry.

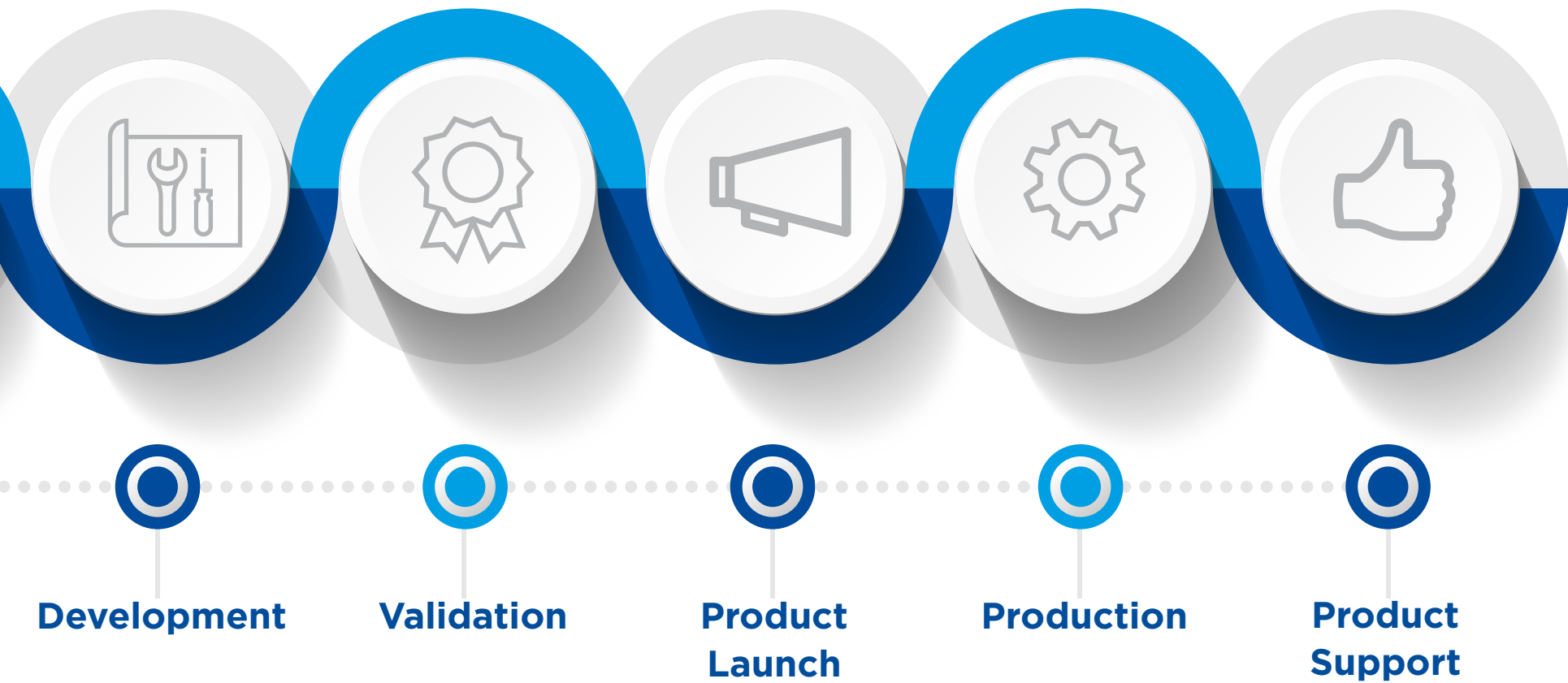
We have also been successful in achieving quality standards in other sectors such as automotive (TS 16949) and medical (ISO 13485).

We remain firmly committed to delivering exceptional quality to our customers across the globe.

# MANUFACTURING PROCESS

- **Global Partner - Local Support**
- **Design & Development Assistance**
- **In-house Tooling Design & Manufacture**
- **Product & Process Optimisation**
- **Continuous Value Engineering**
- **Prompt Sample Development**
- **Modern Production Technology**
- **Product Support & Collaboration**





**The world's leading wire thread insert that achieves up to a 40%\* reduction in installation and removal time**

## **KATO®** **CoilThread®**

### **KATO® CoilThread®**

Advanex are proud manufacturers of the industry accredited KATO® CoilThread®.

KATO® CoilThread® is the world's leading wire thread insert that creates, protects, reinforces and repairs screw threads.

The complete range of standard inserts is available in Free Running form in both Metric and Unified sizes, ranging from M2.5 to M12 in Metric, and 2-56 to ½-13 in Unified. All sizes can

be supplied in 1D, 1.5D and 2D lengths. Longer 2.5D & 3D lengths available upon request.

### **Tangless® & Tanged**

The Tangless version of KATO® CoilThread® inserts perform like Tanged inserts but do not need tang break-off and retrieval. They are quickly and easily installed, adjusted or removed offering substantial cost savings.



### **Materials**

Our high quality inserts are **ready to order** and are produced from the best quality materials which include:

- **Stainless steel**
- **Inconel**
- **Phosphor bronze**
- **Nitronic 60®**
- **Nimonic 90®**
- **Titanium**

Please refer to [coilthread.com](http://coilthread.com) for further details.





### Features & Benefits

CoilThread® inserts are based on a continuous helically-coiled open pitch design using a diamond shaped wire. The diamond-shaped wire design allows the inserts to engage the threads in the parent material and at the same time accept a male fastener. Thus, they do not need a thick wall structure to support the internal and external threads.

The resilient design characteristics of CoilThread® inserts allow each coil to adjust independently for maximum surface contact with the parent material. As a result, loads are distributed more evenly. Stress and fatigue concentrations are reduced to maximise thread strength, thus, increasing the reliability and life of the fastening system as well as keeping it simple to use.



**CoilThread®**  
**Tangless®**

### 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.

### Time Saving

Bi-directional design eliminates the need to orientate the inserts for installation significantly reducing installation and inspection

**CoilThread®**  
**Tanged**

time. Strip Feed packaging also speeds installation time.

### Resusable

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



**We specialise in the design and manufacture of components for the medical and pharmaceutical industry.**



## **MEDICAL & PHARMACEUTICAL INDUSTRY**

We have years of expertise in designing and supplying a range of components for the medical and pharmaceutical industry. Our management system is approved to ISO 9001 and 14001 plus many other leading National and International Standards whilst incorporating cGMP guidelines and DMF Holder status for the medical industry. We have achieved ISO 13485 certification and have ISO 7 (J Class 10,000) Clean Rooms.

We have a proven track record with some of the worlds' largest medical and pharmaceutical companies.

Our portfolio covers a range of components that can be used in equipment including:

### **Health Monitoring Devices**

These include applications for Implantable, Diagnosis and Compliance related devices such as blood pressure monitors, dental implants and bio implants

### **Drug Delivery Devices**

These include applications for Respiratory, Injectable and Wearable devices such as inhalers, retractable syringes and medical pens.



**A range of our components  
can be used in aerospace  
applications.**



## **AEROSPACE INDUSTRY**

Our designers and engineers have years of expertise in designing and developing efficient and effective components for aerospace applications. The team at Advanex has also achieved AS 9100 approval- the world's most recognised quality management standard in the aerospace industry.

Our portfolio covers a range of components that can be used in equipment including:

### **Airframe**

This includes cockpit instrumentation, fuselage, wings, pump housing and tail fins.

### **Interiors**

This includes aircraft seating, overhead luggage bins, doors and galleys.

### **Power Plant**

This includes engine casing sections, ECM casings and engine auxiliary power units (PSU's).

### **Landing Gear**

This includes wheels, brakes and landing gear.

Our components are also used in space related environments such as the Supercam on the 2020 Mars Rover.



**Advanex produce a number of precision components for use across the automotive industry.**



## **AUTOMOTIVE INDUSTRY**

Advanex provides engineering support for automotive customers from the development stage through to mass production. We have achieved TS 16949 certification which gives our automotive customers the confidence that we are experts in this field. Our components can be used in a variety of applications which include:

**Insert Mouldings** - GPS systems, proximity sensors, airbag release units, CD / audio systems, TV / mobile devices, switch units

**Extension / Tension Springs** -Frame suspension, rearview mirrors, windscreen wipers, seat suspension, brake systems, control systems

**Pressings** - Audio systems, seat frame suspension, seat belt locking, alternators/starters, TV / Mobile devices

**Compression Springs** - Seat adjusters , indicator units, brake systems, air conditioning, exhaust systems, pressurised filler caps, seat belt locking, heating systems, fuel pump systems

**Torsion/Wire Forms** - Drive chain mechanisms, 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





**With our global coverage and expertise, our components are suited to a diverse range of industries.**



## **OTHER INDUSTRIES**

Our skills, experience and technology allow us to provide the same level of service, quality and competitiveness to all our customers no matter their demand, product or market.

Our track record extends to other industries such as:

### **Infrastructure, Building & Construction**

A range of our components are used in infrastructures such as housing equipment, railway and roads. We can offer both small and mass production runs depending upon the needs of the customer. We can offer both unique and standardised products.

### **Consumer Electronics**

The capabilities for this industry are vast. Making full use of the technology of metalworking such as forming, deep drawing etc, we can supply large quantities of precise and

complicated products at competitive prices. The insert moulding technology can be used for the combined products of metal and plastic. This is used in camera, cellular phone and many other consumer electronics products.

### **Office Automation Equipment**

We have the ability to produce precision components makes us very popular with manufacturers from this sector. We can also match the large production requirements these orders normally provide. Our insert mouldings and hinges have been used in switches and mobile phones amongst many other applications. Our design and development capabilities mean we can offer a number of solutions within this industry.

**LOCKONE is a newly, developed spring that prevents fall and self loosening from a bolt and nut and is available in size ranges M4 to M24.**



**LOCKONE**

**THE PERFORMANCE FOR THE LOCKING FUNCTION OF LOCKONE IS CERTIFIED THROUGH TESTING USING IMPACT TYPE VIBRATION TESTING MACHINE BASED ON NAS3351.**

We are proud to introduce LOCKONE; the new revolution in thread locking. With our spring technology and expertise we have designed a range of special spring devices for preventing nut & bolt joints from loosening through vibration.

The spring is applied using a normal spanner or socket wrench and when the nut is tightened onto a bolt, it grips the bolt thread and prevents the nut from loosening.

The testing shows that the spring device not only out performs most other locking methods, but is also re-usable and non destructive method of locking and unlocking the nuts and bolt joint.

There are a range of benefits to LOCKONE including:

- Time savings
- Quick and easy method
- Free from Foreign Object Debris
- Reusable
- Easy to remove

LOCKONE is suitable for a range of industries including rail, transport, construction, aerospace and energy.

# Simple Installation

The installation and removal of LOCKONE is quick, simple and cost effective.



Simply load the LockOne into the 12-Point socket.



Load the standard nut on top of the LockOne.



Tighten as normal.



Load the standard nut on top of the LockOne. If there is a gap between the LockOne and the nut, simply hand tighten the LockOne until it is flush with the nut.



ADVANTEX  
GLOBAL DEVELOPMENT  
PARTNER AND  
SOLUTION PROVIDER

For more details contact us on

T: +44(0) 3300 539110

E: [enquiries@advanex.co.uk](mailto:enquiries@advanex.co.uk)

[advanex.co.uk](http://advanex.co.uk)

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