

Helix

PRECISION MACHINING LTD



Aerospace



Automotive



Defence



Medical/Science



Oil & Gas



Marine

PRECISION IS OUR MIDDLE NAME

History:

Helix Precision Machining Ltd was established in August 2003 to supply the manufacture of precision components and one off special machine manufacture to a wide range of industry. Helix Precision has experienced rapid growth due to its continual investment in the latest CNC machinery and software, Stringent quality control and its unrivalled customer service.



In 2006 Helix Precision was winner of the MKM-Acorn Business Enterprise Award from over 200 entrants. The award was presented by Hull City Councillor Andy Sloan & Linda Clark of MKM at the Annual Chamber of Commerce Dinner at the KC stadium.



Business Enterprise Winners for Hull 2006



The "One-Stop" Service:

Providing both CNC machining and many secondary operations we can now offer a one stop solution for your engineering requirements. Often with machining a second operation is often required such as Heat treatment, Assembly, Anodising, Painting, Chemical Blacking, Laser Cutting, Waterjet Cutting, by using our own machinery and approved suppliers all this can now be performed under the same roof at Helix, saving the purchaser many hours raising individual purchase orders for a single job. CNC Milling, CNC Turning, Laser Cutting to Surface Grinding you can order the combination that suits your requirements, with just one phone call to our friendly staff.

Customer Care:

Our companies continued success stems from the consistent fulfilment of one simple aim, providing satisfaction to each and every customer. The benefits of a personalised service, highly skilled staff, rapid turnaround and work to the highest standards are combined with our commitment to giving you, the customer, value for money. It doesn't stop there however. We continually monitor new advances in technology, with investment in recent months in a Heavy Duty multi axis CNC Lathe with driven tooling, further backing our commitment to offer our customers the highest standard of service at the right price.

Quality & Accreditations :

Helix Precision Machining Ltd have adopted a total quality approach into all of its business processes, we work to get it 'right-first-time' and aim to prevent non-conformance in all areas of its operations to ensure 100% customer satisfaction. In order to facilitate this we have implemented a quality management system that meets all the relevant requirements of the **international quality standard ISO9001: 2000**.

Helix showed its commitment to the standard which then led to us becoming **BAE SYSTEMS APPROVED** our systems have been checked and evaluated against BAEs exacting requirements.



BS EN ISO 9001: 2000



REF: ACO/H/LT/JJH/2077



C.N.C Milling :

Helix Precision is equipped with state of the art CNC machining centres equipped with the latest tooling enabling fast efficient turnaround at competitive prices.

With each machine equipped with its own workstation for CAD CAM programming. We have confirmed our commitment to bringing our customers the latest advancements in CNC Milling by recently investing in a Dahlih MCV CNC Machining Centre which now enables us to offer our customers large scale milling up to 3000mm x 900mm envelope.



Maximum Milling Capacity

X Travel = 3000mm

Y Travel = 900mm

Z Travel = 770mm



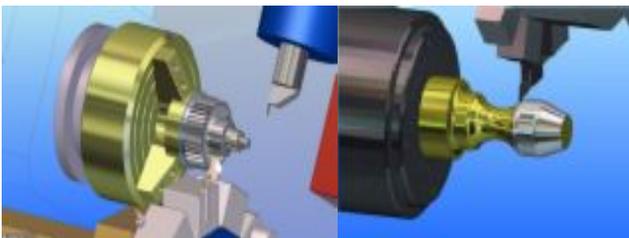
Through our strategic partner program we work closely with Iscar ® giving us first access to the latest advances in tooling & innovational machining methods which in turn cuts down manufacturing time and ultimately your cost.



Edgecam Cad Cam Software:

Helix has a full license for EDGE CAM one of the most powerful Cam packages on the market, allowing us to have full integration with customers solid models, we also have the capability to open Native Catia files and machine directly from these without having to import, translate or recreate the designs.

Edgecam is designed to cope with programming the simplest to the most complex components and offers Full support for the latest CAD, machine tool and tooling technology.



C.N.C Turning:

Helix offers multi axis CNC turning capabilities up to **380mm Diameter**, We manufacture components to customers instructions and drawings, from “one offs” to many thousands, in a wide range of metals and plastics including Mild, & Stainless steels, Titanium, Hastelloy®, Waspalloy®, Aluminium.

We can also undertake small batch sub-assemblies. Helix has recently invested in a new CNC lathe which is equipped with C axis driven tooling and is equipped with full Cam software.

Maximum Turning Capacity

Max Turn Dia = 380mm

Max Turn Length = 800mm

Bar Cap = 79

Full Assembly:

Helix can offer full product assembly in house and has a very experienced workforce who have many years experience from Tool making & Mould making backgrounds.

We have recently completed a project for a Blue chip Aerospace company which involved manufacturing and assembling complete 4 Dummy Vertical Tail wings for the F35 Joint Strike Fighter Jet, two of these will remain on test here in the UK and two have been shipped to the prime customer in Texas USA. These are a critical Part to the jets future structural testing and capability.



Stovl F35 Joint strike fighter Dummy Tail Assembly fully machined & assembled by Helix Precision.



F35 Moment fitting machined from solid Titanium



F35 Moment fitting Titanium forging



F35 Moment fitting during production at Helix

Factory Operating Software:

Helix has invested in market leading factory operating system that enables us to have full and instant visibility of everything that matters in our business.

- **Full Materials Traceability**

By utilising our systems full traceability feature you can determine exactly what went into an item as well as who worked on it and any other sub contract work. Our factory software also employs full serial number traceability.

- **Real-time View of production**

Historical data is fine but real-time information is reality!

We can answer all our customers questions accurately within a couple of clicks, we can see exactly what stage of production any job is at, having this information available gives the customer instant information of there orders as well as more accurate planning and scheduling of jobs.

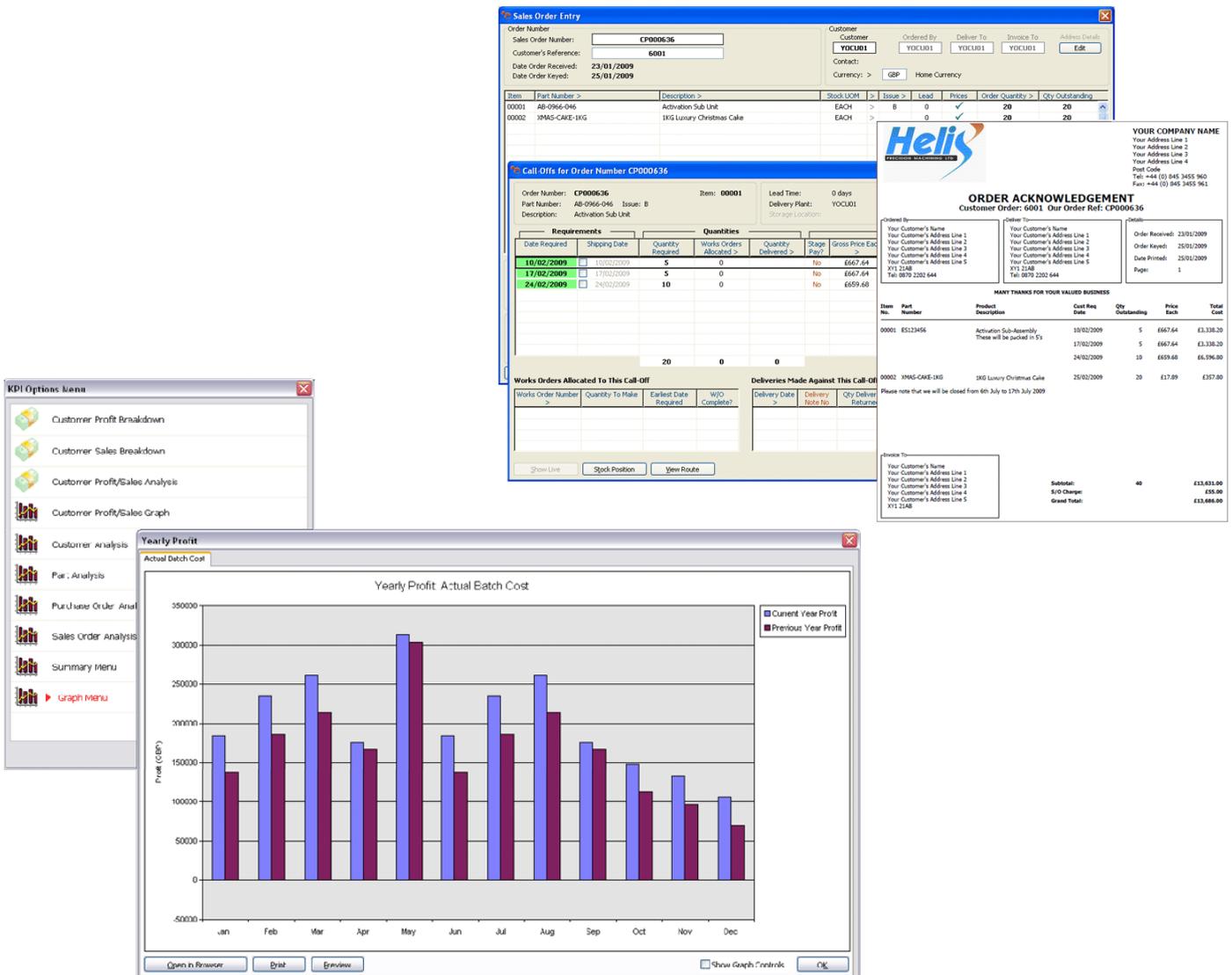
- **Tight Quality Control**

Can you put a cost on quality? "Right first time" is considerably cheaper than having to resend / reproduce a failed component. By using the extensive quality tracking and reporting within our software you can quickly identify areas that need to be investigated. We can employ product improvement reports and the 5'Y' principles if needed to help resolve quality issues.

- **Enhance Delivery Performance**

What is the effect on your business of late delivery by a supplier? Would you do more business with such a supplier?

MRP software allows us to take full control of our delivery performance to not only ensure that deliveries are made on time, but also to give our customers fair notice for any unforeseen delays that might adversely impact on the delivery of these items





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