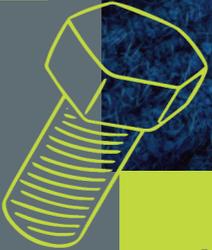


ENGINEERED IN GRANTHAM

ENGINEERED
IN GRANTHAM



MISSION



We're a group of companies with a shared passion for promoting engineering as a career path and improving training provision in and around the Grantham area.



FOREWORD



Grantham has always been an engineering town and although it still is, many people don't realise that there's a rewarding career to be had with engineering companies based close to where you live.

This group has been formed by like-minded companies with a passion for engineering. We're all in Grantham or the surrounding area and involved in design and manufacture of a wide range of engineering solutions across a diverse range of sectors.

As the chairman and founder of this group, I could see that local engineering companies, including my own, were struggling to fill vacancies and we needed to get together as one to tackle the problem.

The skills gap in engineering has come to a head and we would like to show that not everyone needs to go to university; apprenticeships are a fantastic alternative option.

Once the engineering 'bug' is caught, young people thrive and earn a living whilst training. A trained engineer has a skill for life and need never be out of work and importantly, really enjoy what they do.

Engineering is a rewarding career choice to consider.

Kay Pryszyk
Chairman and founder of Engineered in Grantham
MD of Bernard Holmes Precision Ltd.



 @EngineeredIn

 @engineeredingrantham

ENGINEER YOUR FUTURE

It's our great pleasure to support the Engineered in Grantham group as we work together to encourage more local talent to consider a career in engineering.

InvestSK is South Kesteven District Council's economic growth and regeneration company - responsible for leading the local skills agenda to develop our future workforce and help companies to grow.

South Kesteven has a rich engineering and manufacturing history spanning more than a century. Here in Grantham we have fantastic companies delivering world-class products and services, all offering excellent career opportunities – both for trainee and experienced engineers.

While the engineering sector is a key growth industry for the UK, and is inherently important to Grantham too, at a global level it's facing a deep rooted skills shortage and competition for talent is high.

So now's the perfect time to start your career in engineering and I'd urge anyone to explore the many great apprenticeships or work experience opportunities with the fantastic companies featured in this booklet.

Steve Bowyer

Chief Executive InvestSK

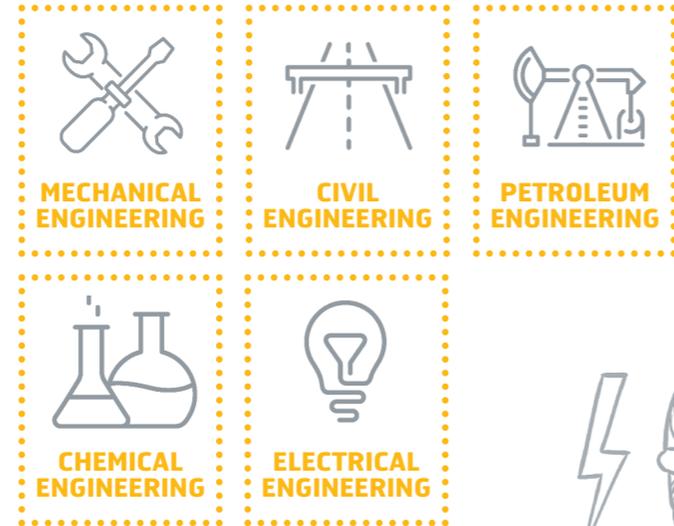


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GETTING STARTED

A career choice in engineering is wide and diverse, often operating on a global scale. Five general types of engineering include:



EiG is a cluster of mechanical engineers with particular interests in making precision components and bespoke engineering solutions to a range of technical challenges involving milling, turning, design, welding and fabrication.

The majority of young engineers start at entry level either in a full-time course at college or, as an apprentice or at university.

Engineering apprenticeship schemes span all available levels, including:

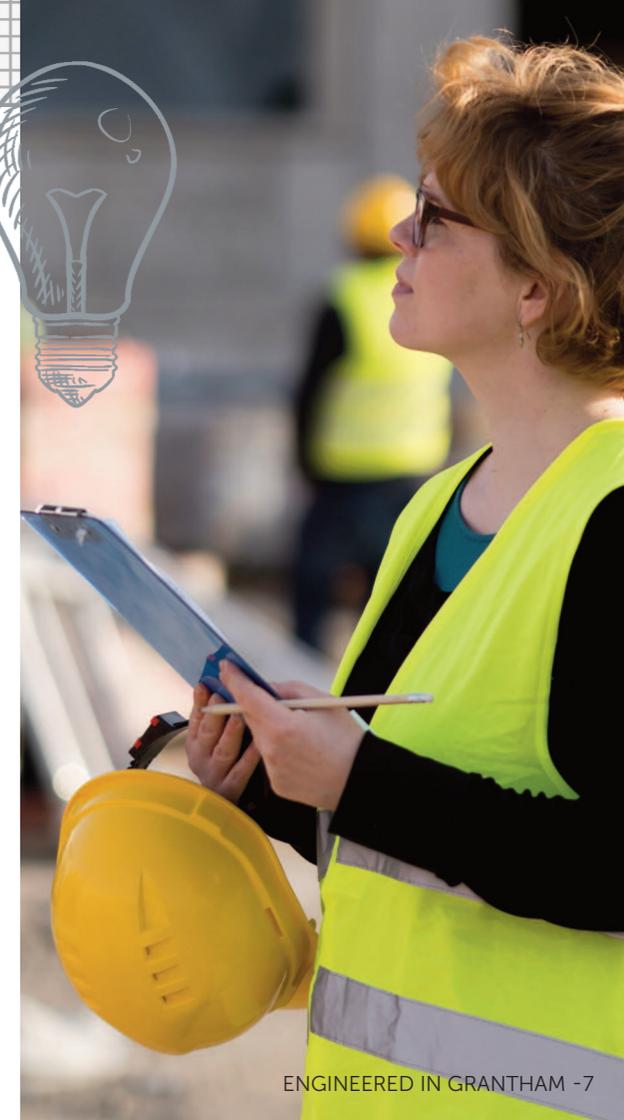
- Intermediate** - level 2, equivalent to GCSEs
- Advanced** - level 3, comparable to A-levels
- Higher** - levels 4, 5, 6 and 7, equivalent to a foundation degree or above
- Degree** - levels 6 and 7, equivalent to a Bachelor's degree

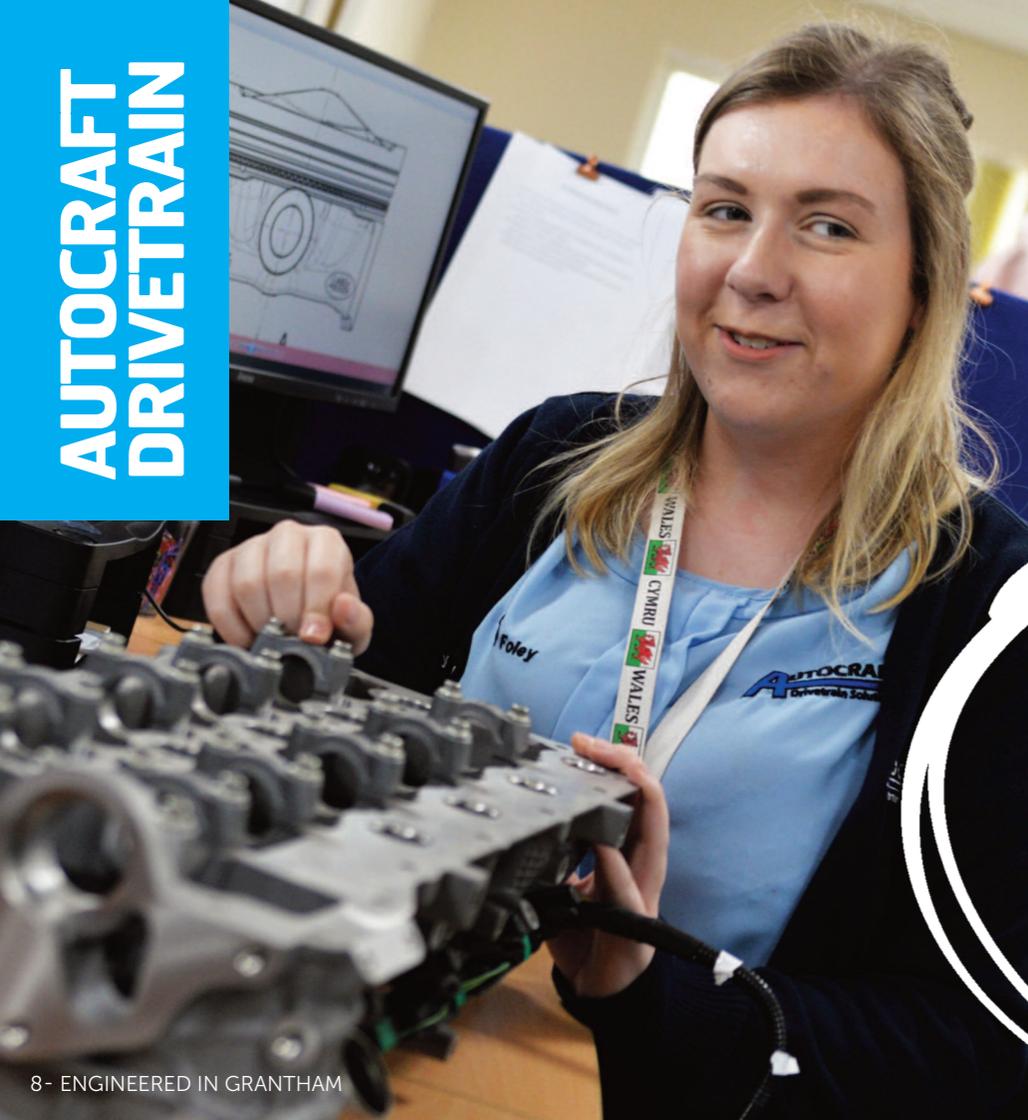
Indicative earning potential is illustrated below. *Source: JobSite.co.uk 2018

APPRENTICE TECHNICIAN £18-22K	JUNIOR ENGINEER £28K	ENGINEER £32K
SENIOR ENGINEER £42K	PRINCIPAL ENGINEER £52K	DIRECTOR OR ABOVE £72K+

You don't have to travel far to find employment in engineering. Many globally active companies are on your doorstep and looking to secure new talent to join them. Do make contact with any of the companies included in this booklet to discuss what opportunities they may offer.

Still not sure? Why not see if you can visit any of the EiG group of companies to get a feel for the engineering environment, or ask if they offer a short work placement? The important step is to make a start. Contact details are listed at the end of each company profile.





"I'm in the second year of my technical apprenticeship. I'm studying for an HNC at college on day-release and I spend the other 4 days a week on-the-job learning. Our experienced engineering team is very supportive, and it's great to earn while you learn!"

Sam Ely, 18.

ABOUT

Autocraft Drivetrain is part of the Autocraft Solutions Group. We produce in excess of 20,000 engines each year at our Grantham facility. Over 75% of our engines and automotive component parts are exported outside of the UK and Autocraft is Europe's largest independent engine remanufacturer and assembler. Using our intelligent engine remanufacturing processes, we recover and re-use approximately 80% of the core (broken) engine, resulting in a much greener product.

NUMBER OF EMPLOYEES:

220 (Grantham)

KEY CUSTOMERS:

Jaguar Land Rover, Ford, Aston Martin, Volvo, JCB

DID YOU KNOW?

We've now produced over half a million new and remanufactured engines.

OPPORTUNITIES:

Each year we offer a number of engineering apprenticeships, 12-month undergraduate placements, paid summer internships and graduate employment programmes.

CONTACT DETAILS:

A: Syston Lane, Belton, Grantham, NG32 2LY

T: 01476 581300

E: careers@autocraftds.com

W: autocraftds.com

"We structure our engineering apprenticeships and graduate programmes to ensure our young people get the maximum exposure to all areas of our production. The journey doesn't stop at the end of the apprenticeship, we support our engineers with further education and training. One of our engineers is now undertaking his PhD!"

Steve Harris, Managing Director

"I joined Autocraft as an apprentice 10 years ago, I'm now an HNC qualified Production Technician responsible for my own projects."

Jake Parker, 26

"I started with Bernard Holmes as an apprentice in 2014. I'm now programming and setting CNC machines thanks to the training I received from the skilled engineers at the company."

Jamie Page, CNC Programmer

"I came to Bernard Holmes over 4 years ago knowing very little about engineering. The company and staff have helped me every step of the way to where I am now." I'm now responsible for programming the two most complex horizontal milling machines at the company. It's a great place to work!"

Stuart Forrest, CNC Programmer

ABOUT

Bernard Holmes is a small, family run, friendly place to work and learn your trade. We have a long history of training young people, in fact almost half of our workforce were trained by us.

We're a precision engineering company. We make components to a customer's specification on both manual and CNC (computer controlled) lathes and machining centres to a high degree of accuracy. Our team are trained to be skilled engineers and can work on any engineering problem.

The parts we manufacture are used to make diverse machines worldwide. To name just a few:, Champagne coolers, diesel engines, bulk handling conveyors, autosport (we've made parts for Caterham and Ginetta), and hydraulics such as used on JCBs

NUMBER OF EMPLOYEES:

23

KEY CUSTOMERS:

We work with a range of diverse industries but mainly work on conveyor systems, machinery for the food industry, parts for diesel engines and hydraulics such as the ones used in JCBs.

PRECISION ENGINEERS

DID YOU KNOW?

We were formed just after WWII and originally called Comet Karts, but over time evolved into the precision component manufacturer we are today. We still have one of the original Comet Karts at our factory.

OPPORTUNITIES:

We take on at least one apprentice annually. We're also involved with work experience and offer traineeships periodically.

CONTACT DETAILS:

A: The Old Pony Field, Grosvenor Road,
Billingborough, NG34 0QN
T: 01529 240241
E: sales@bernardholmes.co.uk
W: bernardholmes.co.uk



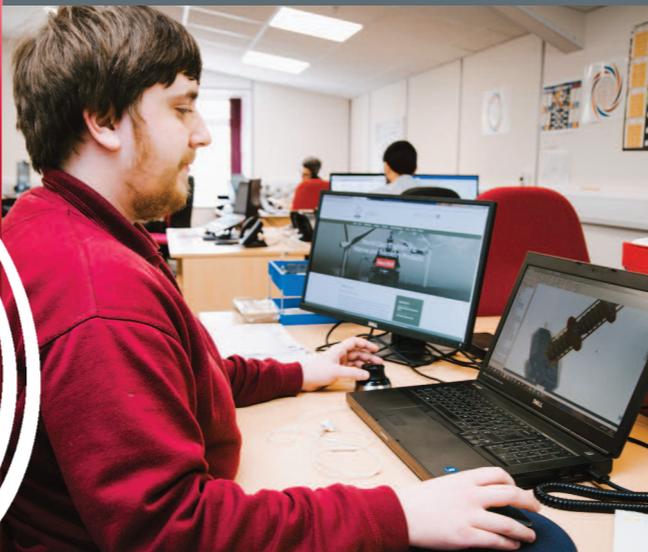


"I've worked in multiple teams within the business which has given me the critical knowledge of how and why a product is made in the way it is, this is a virtual skill that I have taken into my Junior Designer role."

Jamie McCollin, 25

"An Apprenticeship was the best option for me because I chose engineering later in life and it gave me the option to learn in a practical environment whilst earning a wage. This meant I could progress my career without putting my life on hold."

Kieran, 26



ABOUT

BGB Innovation is a privately-owned family business that employs over 140 engineers across the globe with more than 75% of them coming from Grantham.

The business not only offers a safe working environment for all stakeholders, but also values all ideas and opinions employees suggest to help find our customers the best solution.

We're a high precision company that designs and manufactures submersible lighting systems and hydraulic, power and data transmission solutions for our customers. The skills that BGB requires are varied, starting from using a file for fitting jobs right up to programming a robot in our automation cell.

Our team has inherited local Aerospace engineers which have helped create the perfect products with tolerances right down to 3 microns - that's 1/16th the size of a human hair!

NUMBER OF EMPLOYEES:

140

KEY CUSTOMERS:

Vestas, Siemens, Gamesa, GE

DID YOU KNOW?

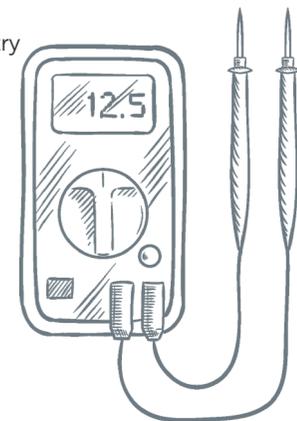
BGB slip rings are installed in over 65,000 wind turbines across the globe which, together with our customers' powers over 150,000 homes.

OPPORTUNITIES:

We take on an apprentice annually and we accommodate work experience and industry placements. Where possible, we offer support to the local schools and college.

CONTACT DETAILS:

A: 357 Dysart Road, Grantham, NG31 7NB
T: 01476 383436
E: mail@bgbinnovation.com
W: bgbinnovation.com





"Throughout my apprenticeship I've covered a variety of skills and gained a wide range of knowledge. I will continue to incorporate college and workplace knowledge to better my understanding of mechanical engineering and further my opportunities within the company."

Liam Lund, 17



ABOUT

At our Grantham head office and production facility we manufacture components and assemble products to the highest industry standard. We use a global network of customers and distributors to ship our products worldwide, where we are renowned for our exceptional quality and customer service.

Our products operate in hazardous environments and are subject to extreme weather and dusty conditions. It's critical that we maintain the high standards our customers expect and we do this by investing in state-of-the-art design and manufacturing technology and employing highly skilled individuals who form part of our resourceful and ambitious team.

NUMBER OF EMPLOYEES:

127

DID YOU KNOW?

We've been in business since 1946 and have distributors in 22 countries, including Australia, Africa, India and USA.

OPPORTUNITIES:

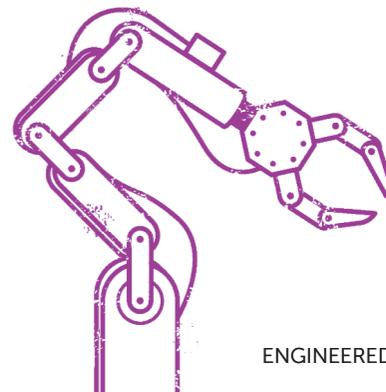
We recruit apprentices and provide the opportunity to become highly skilled engineers who we hope will have a long and successful career with us.

CONTACT DETAILS:

A: Grantham Engineering Ltd, Harlaxton Road, Grantham, NG31 7SF
T: 01476 566301
E: careers@graneng.co.uk
W: invictavibrators.com

"I started my apprenticeship by working my way around each machine and learning the correct skills for each. After a two year apprenticeship at Grantham Engineering, I moved on to the new robot automotive system. I now help new apprentices with their 'on the job' skills development."

Alex Saunby, 24



"I studied an apprenticeship and attended college on day release for four years. I studied what was an ONC & HNC in Mechanical Engineering, as well as various workplace based NVQs in that time. The mix of work, learning and earning was something I wouldn't have got anywhere else. It teaches work ethic and working hard returns great job satisfaction. Completing my apprenticeship developed my confidence when I was young and allowed me to converse with older, more experienced engineers. Many doors opened as a result and I managed to travel the world working with racing cars and be part of a multi-national team of engineers."

Jamie Clare, Managing Director



Photo: John Brooks

ABOUT

Following a long and successful career working in motorsport, Jamie Claire created Iconic Engineering Solutions in 2013. Last year the engineering design consultancy expanded into a few areas of manufacturing and includes services in rapid prototyping and CNC machining.

Iconic is principally focused on mechanical design and this has led us down the route where we now offer customers a full turnkey solution from idea through to a physical completed part or assembly.

We have many years of experience working in the motorsport and automotive sector where we design components and assemblies using the latest 3D CAD Software. We now offer a manufacturing solution to compliment the design services.

KEY CUSTOMERS:

These span many sectors including; aerospace, automotive, motorsport and industrial.

DID YOU KNOW?

Jamie Claire, MD of Iconic, completed his apprenticeship at Grantham College.

OPPORTUNITIES:

Work experience and training.

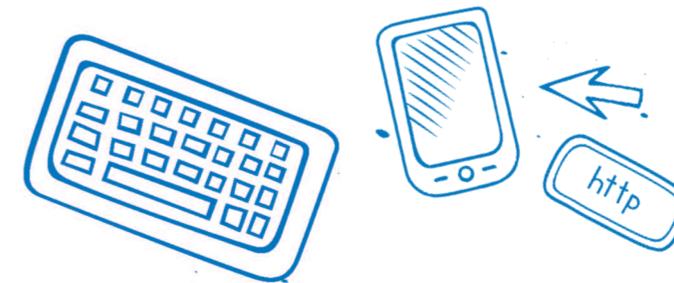
CONTACT DETAILS:

A: Retro House, Swingbridge Road,
Grantham, NG31 7XT

T: 01476 564520

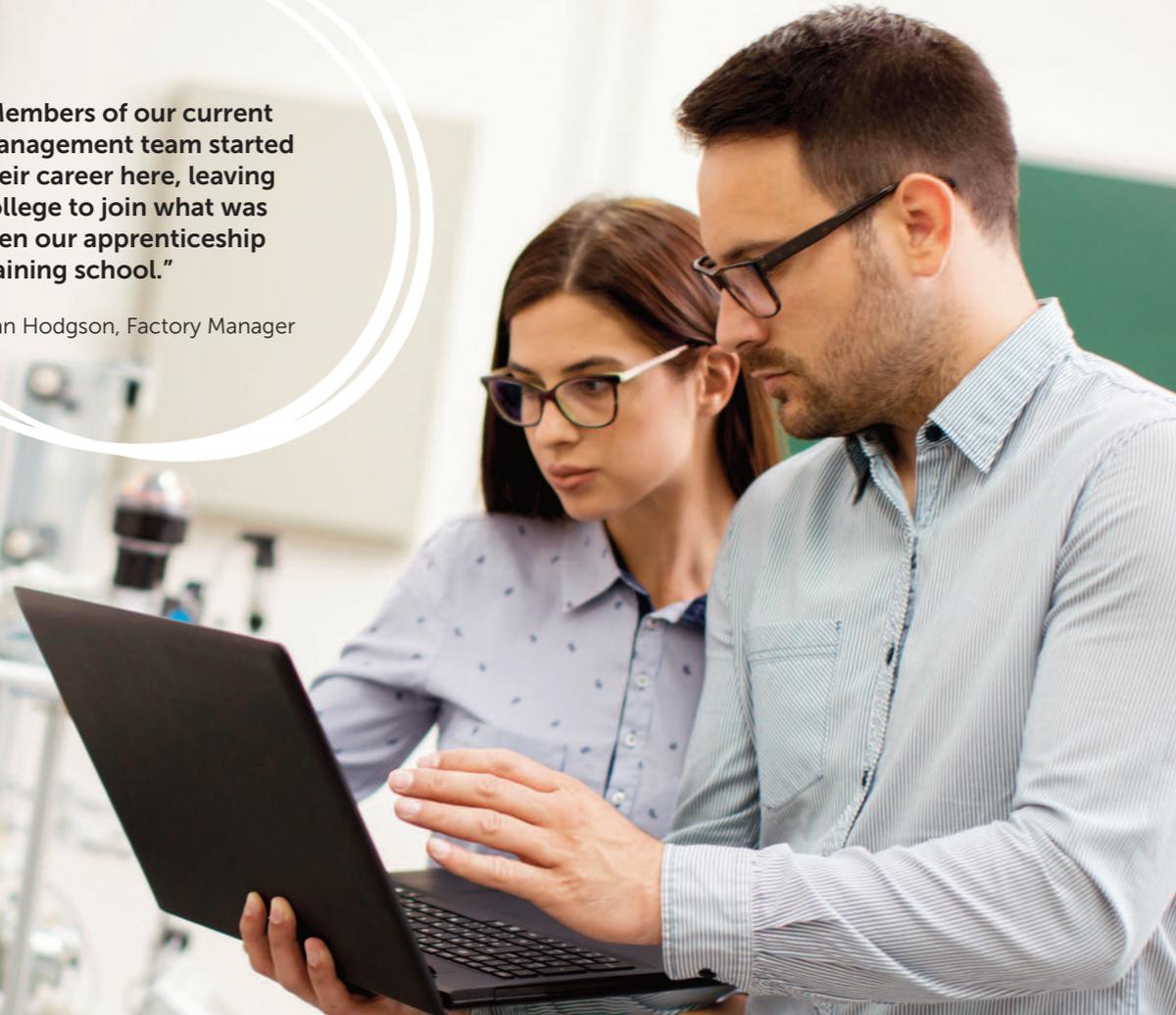
E: info@iconicengineeringsolutions.com

W: www.iconicengineeringsolutions.com



“Members of our current management team started their career here, leaving college to join what was then our apprenticeship training school.”

Alan Hodgson, Factory Manager



ABOUT

Originally founded in 1947 as Pobjoy Engineering, our first intention was to carry out subcontract work and eventually to lay down an assembly line for a light tractor. Circumstances changed and this resulted in a reorganisation when the company became Kontak Manufacturing, a name still remembered by our long serving employees and local community.

In 2000 we became Parker Hannifin Manufacturing Ltd, part of a multi-national corporate organisation and a world leader in improving machinery performance with system solutions. Our products are all hydraulic control valves, supplying a variety of mobile machine manufacturers who include JCB, Volvo, Manitou, Case New Holland, Epiroc (Atlas Copco).

The parts that we manufacture, wash assemble, test and paint, provide various control functions on telescopic handlers, fork lift trucks, agricultural tractors, rock drilling machines, wheel loaders and many more applications. We specialise in providing tailored solutions for each machine using our expertise in hydraulic control.

The main manufacturing processes on site at Grantham are CNC milling/drilling of cast iron, fine finished honed bores and turned bar on CNC sliding head lathes.

NUMBER OF EMPLOYEES:

90

KEY CUSTOMERS:

JCB, Volvo, Manitou, Case New Holland, Epiroc (Atlas Copco)

DID YOU KNOW?

Parker Hannifin is a global company, located in 50 countries around the world that has over 100 years of engineering expertise, growth and innovation and is still growing.

OPPORTUNITIES:

The group is always on the lookout for individuals who bring innovation, entrepreneurial spirit with an appetite for hard work. Visit our dedicated career website. We offer a diverse range of opportunities that includes an Engineering Graduate Programme, dedicated Leadership Programme, graduate internships as well as welcoming student placements and visits.

CONTACT DETAILS:

A: Londonthorpe Road, Grantham, NG31 9SJ
 T: 01476 541800
 E: ldrobert@parker.com
 W: parker.com

"It's opened up a whole new world, very different from school. The first year gave me a huge amount of confidence and, besides the technical skills I've learnt, the most valuable has been people skills, particularly in communication".

Craig Redfern

"Finding a career path early, learning new skills and being paid could not be better".

Xavier Straight Garten



ABOUT

We're a family run business founded in 1956. For more than 60 years we've worked in close partnership with customers and suppliers across a diverse range of industries providing effective design and efficient manufacturing solutions. During that time, we've built up an enviable reputation for technical know-how, quality and reliability.

Today, our modern facilities and technical teams embody the company's evolutionary vision and subsequent growth, while traditional values are the mainstay of our customer-centric partnerships.

NUMBER OF EMPLOYEES:

170

KEY CUSTOMERS:

Diverse range, from SME's to multi nationals.

DID YOU KNOW?

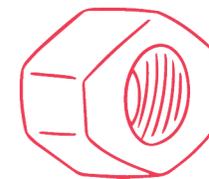
We don't manufacture anything of our own but provide an injection moulding service for a diverse range of industries. Last year we produced a total of 19.5 million parts on behalf of our customers.

OPPORTUNITIES:

We recruit apprentices annually to help us grow our own talent. Our apprenticeships provide an excellent opportunity for anyone over 16 to learn new skills on-the-job. During the first year of training, apprentices are rotated around the business to gain experience across all departments. Towards the end of the programme, they are then able to apply to work in a department of their own choice.

CONTACT DETAILS:

A: Cold Overton Road, Oakham, LE15 6NU
T: 01572 723476
E: info@rutlandplastics.co.uk
W: rutlandplastics.co.uk





"Leaving school or college isn't the end of education – at SL you'll continue to learn new skills in a cutting-edge aerospace standard manufacturing environment. We'll support and push you to develop into a well-trained and highly skilled engineer to help you to reach your full potential."

Shaun Stevenson, Joint Managing Director

"My apprenticeship has been very rewarding. I've achieved my level 2 NVQ in Welding and Fabrication, which has taught me many new skills and helped to give me a more secure future with SL Engineering. I'd like to thank the company for this great opportunity."

Jordon Illett, 19

ABOUT

SL Engineering Ltd (SL) is a leading UK based manufacturer of specialised rigid tube and manifold assemblies. Components produced by SL are used in some of the world's most demanding fuel, hydraulic and other fluid conveyance applications by many of today's leading global aerospace and industrial manufacturers. SL has an exceptional reputation for engineering excellence and exceptionally high-quality products.

SL provides a full in-house solution for the manufacture of specialised rigid tube and complex fuel manifold assemblies for the civil and military aerospace (engine & airframe), industrial and marine gas turbine, and oil and gas industries, used by many of today's leading global OEM's for critical fluid conveyance applications.

NUMBER OF EMPLOYEES:

82

KEY CUSTOMERS:

Rolls Royce Civil & Military Aerospace (UK, Germany, Singapore), Siemens (Canada), Safran - Zodiac Interconnect (UK & France), Eaton Aerospace (UK & USA), Moog Aircraft (UK & USA), GKN Engine Systems (USA), ITP Aero Engines (Spain) & Kawasaki Heavy Industries (Japan).

DID YOU KNOW?

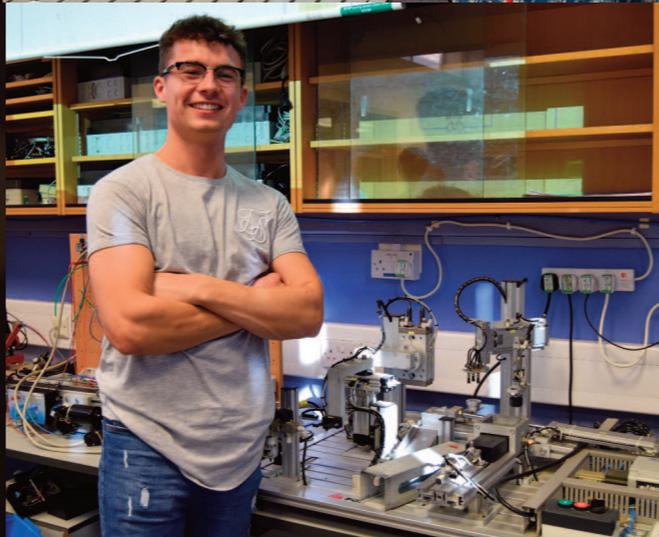
If you travel on today's leading civil aircraft like the Boeing Dreamliner, Boeing 777, Boeing 747, Airbus A320, A330, A380 or the new Airbus A350 XWB, it will contain assemblies manufactured by SL.

OPPORTUNITIES:

SL has many options for interesting and rewarding careers across different engineering process disciplines-stretching right to the pinnacle of high precision aerospace engineering. Opportunities include full engineering apprenticeships, graduate internships and work experience in processes, including multi-axis CNC machining, CNC tube manipulation, tig welding and fabrication of exotic high temperature nickel alloys (stainless steels, Inconel, Nimonics and titanium), assembly and non-destructive testing (NDT) including dye-penetrant and x-ray inspection.

CONTACT DETAILS:

A: Temple Road, Aslackby, Sleaford,
Lincs. NG34 0HJ
T: 01778 440228
E: sales@sl-engineering.co.uk
W: sl-engineering.co.uk



ABOUT

Grantham College aims to ensure all our students achieve their true potential. With over 60 years' experience of providing education and training, we achieved a recent grading of 'Good' in the latest Ofsted inspection and a silver award for our Higher Education teaching standards. We've developed a welcoming and supportive environment where the needs of our students are always put first.

Grantham College offers more than 260 courses at all levels from Entry Level to Higher Education - with the flexible options of pursuing it full time or part time, and we have mini courses which run for just a few weeks. A range of subjects are offered from Hair & Beauty to Engineering and Business to Public Services, plus many more.

ENGINEERING RELATED COURSES:

Full Time

- L1 NVQ in PEO (Performing Engineering Operations)
- L2 NVQ in PEO (Performing Engineering Operations)
- L3 BTEC 90 Credit Diploma in Engineering (1 year)
- L3 BTEC Extended Diploma in Engineering (2 year)

Apprenticeships

- Maintenance and Operation Engineering Technician (MOET standard)
- Manufacturing Engineering Standards
- Intermediate Apprenticeship in Electrical Engineering
- Advanced Apprenticeship in Electrical Engineering
- Intermediate Apprenticeship in Maintenance/Multi-skilled Engineering
- Advanced Apprenticeship in Maintenance/Multi-skilled Engineering

Higher Education

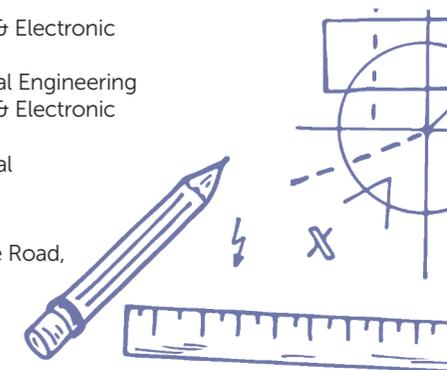
All HE courses are one and half years:

- Edexcel BTEC HNC in Electrical & Electronic Engineering
- Edexcel BTEC HNC in Mechanical Engineering
- Edexcel BTEC HND in Electrical & Electronic Engineering
- Edexcel BTEC HND in Mechanical

CONTACT DETAILS:

A: Grantham College, Stonebridge Road,
Grantham, NG31 9AP
T: 01476 400200
E: enquiry@grantham.ac.uk
W: grantham.ac.uk

Follow us: Facebook, Instagram
Twitter: @GranthamCollege



ABOUT

University of Lincoln's School of Engineering combines state-of-the-art R&D and teaching facilities with research-informed teaching and industrial links.

As the first new Engineering school in the UK for more than 20 years, we recognise the importance of engineering to the future of the UK economy. The School was part of a £37 million project, with £7 million allocated to build our dedicated Engineering Hub.

Students of our engineering programmes can benefit from industry insider knowledge on our innovative and exciting degree courses. Our degree courses are accredited by the Institution of Mechanical Engineers (IMechE). The School has been listed as a principal partner of Siemens Industrial Turbomachinery Limited who share our vision of producing graduates who are industry ready and academically excellent. Siemens has transferred their R&D equipment to our Engineering Hub, alongside relocating their training team.

ENGINEERING RELATED COURSES:

Undergraduate Courses

- Automation Engineering – BEng (Hons)
- Electrical Engineering (Control Systems) – BEng (Hons) & MEng (Hons)
- Electrical Engineering (Electronics) – BEng (Hons) & MEng (Hons)
- Electrical Engineering (Power & Energy) – BEng (Hons) & MEng (Hons)
- Mechanical Engineering – BEng (Hons) & MEng (Hons)
- Mechanical Engineering (Control Systems) – BEng (Hons) & MEng (Hons)
- Mechanical Engineering (Power & Energy) – BEng (Hons) & MEng (Hons)
- Science Foundation Year

CONTACT DETAILS:

A: University of Lincoln, Brayford Pool, Lincoln, LN6 7TS
 T: 01522 886644
 E: enquiry@lincoln.ac.uk
 W: lincoln.ac.uk

Follow us: Facebook, Instagram
 Twitter: @unilincn



LIKE TO KNOW MORE?

Lots of useful career information and support is available online:

yearofengineering.gov.uk
nationalcareersservice.direct.gov.uk
jobsite.co.uk/worklife

Or get in touch with any of the companies featured in the brochure to explore the career opportunities they have available.



@EngineeredIn



@engineeredingrantham