

GOUDSMIT<sup>UK</sup>

Quality Assurance



# Quality at work for you



Goudsmit UK is part of the Goudsmit Group of companies based in Eindhoven, the Netherlands. Founded in 1960 the group manufactures and supplies a range of products from components through to capital equipment. The group has subsidiary companies across Europe and into Asia.

Goudsmit UK was founded in 1998 and specialises in the design, industrialisation and manufacture of custom industrial components. The company can also design and sub-contract manufacture entire products and offers a comprehensive and global logistics service.

TS16949 and ISO9001 qualified the company works in a wide range of market segments including Automotive, Oil and Gas, Aerospace, Medical Devices and Green Technology.

The company's QA philosophy is built on two principals:

- To gain and maintain a level of QA certification commensurate with our clients needs and to work within this certificated system efficiently and rigorously.
- To implement rolling programs of continuous improvement, endeavouring to supply better quality products and services year on year.

## QUALITY SYSTEM

The quality system at Goudsmit UK serves as the backbone structure for the product quality and operational sides of the business. By strictly adhering to this system we endeavour to supply as high a quality product as possible to our clients while ensuring all the paperwork and traceability is of the required standard. By adding TS16949 to our existing ISO9001 system we have greatly improved our product development and industrialisation procedures. Furthermore, monitoring of key performance indicators has meant the company responds quicker to any developing QA trends.

## PRE-MANUFACTURE QA

Prior to manufacture of a new product Goudsmit UK now puts the product through a rigorous system to check its suitability for manufacture and also to ensure no details in the design have been omitted. Tools used include; Advanced Quality Planning, Failure Mode Effect Analysis, Quality Assurance Specification Sheets and finally historical statistical data to assess projected dimension capabilities. These tools should highlight any shortcomings in either the process or design which will inhibit the product from being manufactured to the correct standard.

## MEASUREMENT IN PRODUCTION

During production parts are measured dependent on the process and the criticality of the given dimension. These measurements are normally inputted into an Statistical Process Control system which will monitor and guarantee the repeatability of good parts from the production process. For batch manufacture and low production volume other techniques, such as gauging, will be used.

## POST-MANUFACTURE MEASUREMENT

As with all manufacturers we measure parts after manufacture. We record the results and submit our parts with either an Initial Sample Inspection Report or a Production Inspection Report. We have a range of QA equipment which is calibrated annually including:

- Manual and automatic CMM machines
- Permeameter, helmholz coils and gauss meters for magnets
- Surface roughness, plating depth and hardness for finish
- Thread gauges
- Shadowgraph and microscopes for optical checks
- Mass spectrometer for compositional checks

## COMPOSITION AND MATERIALS

Often our clients require material performance and this is often linked to the composition and processing of a material. To this end we can provide composition, Charpy impact tests, hardness tests and tensile strength tests all certificated by a UK test house.

## CORRECTIVE ACTION

In manufacturing problems do arise and very often these can be something historic or something which was not foreseen during the pre-manufacturing QA assessment. Goudsmit UK have a clear system of quarantine, non-conformance reporting, 8D resolution and finally a strong engineering team to ensure that when the product is not right, the correct root cause is identified and the correct control is put in place to prevent reoccurrence.



# Worldwide Service

- Goudsmit UK is part of the Goudsmit Group of companies. With two production facilities in China, one in the Czech Republic and two in Holland, the company has the reach to supply from Asia to Europe and on into the USA.



## GOUDSMIT UK

10 Cromac Place  
The Gasworks  
Belfast  
BT7 2DH

Tel: +44 (0)2890 271001  
Fax: +44 (0)2890 271002  
E-mail: [info@goudsmit.co.uk](mailto:info@goudsmit.co.uk)

Goudsmit Magnetic Supplies BV  
Prunellalaan 14/5582 HB Waalre  
P.O. Box 7/5580 AA Waalre  
The Netherlands

Tel: +31 (0)40 2219015  
Fax: +31 (0)40 2220256  
E-mail: [supplies@goudsmit-magnetics.nl](mailto:supplies@goudsmit-magnetics.nl)

Goudsmit Magnetic Systems BV  
Petunialaan 19/5582 HA Waalre  
P.O. Box 18/5580 AA Waalre  
The Netherlands

Tel.: +31 (0)40 2213283  
Fax: +31 (0)40 2217325  
E-mail: [systems@goudsmit-magnetics.nl](mailto:systems@goudsmit-magnetics.nl)

Goudsmit Magnetic Design BV  
Prunellalaan 3/5582 HB Waalre  
P.O. Box 65/5580 AB Waalre  
The Netherlands

Tel: +31 (0)40 2212475  
Fax: +31 (0)40 2212479  
E-mail: [design@goudsmit-magnetics.nl](mailto:design@goudsmit-magnetics.nl)

Goudsmit China Magnetic & Plastic  
HengJie Industrial Zone  
YinZhou District, Ningbo  
315181 P. R. China

Tel: +86 (0)574 8827 1206  
Fax: +86 (0)574 8827 1205  
E-mail: [tz@goudsmit.cn](mailto:tz@goudsmit.cn)

Aimants Goudsmit France s.a.r.l.  
Siège social  
Z.I. - 3, Rue du Vert Bois  
59535 Neuville en Ferrain Cedex

Tel: +33 03.20.28.40.00  
Fax: +33 03.20.28.40.01  
E-mail: [goudsmit.france@wanadoo.fr](mailto:goudsmit.france@wanadoo.fr)

Goudsmit Büro Deutschland  
Schöllinger Feld 34  
D-58300 Wetter  
Deutschland

Tel: +49 (0)2335 681906  
Fax: +49 (0)2335 681908  
E-mail: [info@goudsmit-deutschland.de](mailto:info@goudsmit-deutschland.de)