



January
2012

Please click
on the cover
to view

View & Register Online »

HOME PAGE

ABOUT US

MEDIA KIT

REGISTER

CIRCULATION

EVENT PLANNER

ADVERTISING

NEWS

FEATURES

ENQUIRIES

LATEST
NEWS »

FEATURES &
APPLICATIONS »

- ▶ Machining
- ▶ Quality & Inspection
- ▶ CAD/CAM
- ▶ Automation
- ▶ Profiling & Advanced Sheetmetal
- ▶ Sawing & Cutting Off
- ▶ Cutting Oils & Coolants
- ▶ Honing & Deep Hole Drilling
- ▶ Subcontracting
- ▶ Grinding & Surface Finishing
- ▶ EDM
- ▶ Data Management Software
- ▶ Special Reports
- ▶ Power Generation
- ▶ Tooling & Workholding
- ▶ Gear Manufacturing
- ▶ 5-Axis
- ▶ Events
- ▶ Turning
- ▶ Materials
- ▶ Cleaning
- ▶ Composites
- ▶ Laser & Waterjet Profiling

NEW
PRODUCTS »

SEARCH
ENGINE »

SUPPLIER DIRECTORY
& VIDEO »

Register for free copy

Register here for a free
monthly edition of the
magazine



Date Published:
09.01.2012

Accredited to the AS9100 aerospace quality standard and an SC21 Bronze level award company since August 2010, Hone-All Precision reports that aerospace continues to be a growth area for the Leighton Buzzard-based subcontractor. "It is a highly competitive market sector but our experience as a tier two supplier in other equally demanding industries such as oil and gas and motorsport has proved invaluable," says director Andrea Rodney.



The company's most recent investment has been in two Sunnen horizontal tube honing machines, ideally suited to tube honing applications requiring high stock removal rates on larger diameter components. However, although specialising in deep hole boring, deep hole drilling/gun drilling and honing, Hone-All Precision has invested in the complete spectrum of precision machining. "This takes in everything," says managing director, Colin Rodney, "from sourcing raw materials right the way through to fully machined components."

It is Hone-All Precision's experience of producing high length-to-diameter ratio holes, often in difficult to machine materials such as Inconel and Hastelloy, while guaranteeing excellent surface finish and straightness characteristics that continues to be the key to progress. In terms of hole drilling this equates to a surface finish of 0.8µm/32CLA and a total run out (TIR) of 0.025mm/25.4mm, while the typical surface finish for honing is 0.05µm.

Components requiring deep hole drilling up to 20mm diameter include con rods, drive shafts, steering columns, electronic housings, injection mould tools, prosthetics, rotors, actuators and landing gear. For holes greater than 20mm diameter the alternative is deep hole boring.

A particular example of Hone-All Precision's expertise is its capability in terms of gun drilling deep holes in different positions and at different angles in a single set-up. This avoids the introduction of cumulative dimensional errors through multiple machine set-ups as well as eliminating the risk of drill breakage resulting from the drill 'catching' at a point of intersection between holes. "This is where we save our customers both time and money," says Mrs Rodney, "and where experience gained over more than three decades really does make a difference.

"In fact, it was experience that counted recently when an in-house candidate with several years' service in the deep hole boring section asked to be considered on equal terms for the position of quality engineer/inspector. This role has been created in response to the increasing complexity of machined components and the resulting need for additional capability in our QC department.

Having outperformed several external applicants with his in-depth knowledge of engineering he has now started in

Search Site

-Enter Your Keywords-



Useful Links

- Reader Response
- Email to a Colleague
- Print Article
- Order Reprints

Sign up for Ezine

Subscribe here to receive our free newsletter for a monthly round-up of the latest news and features



his new role, reflecting our ongoing commitment to training and career progression from within.”

Hone-All Precision
www.hone-all.co.uk

[Site Map](#) | [Print Page](#) | [Text Only](#) | [Privacy](#) | [Disclaimer](#) | [RSS Feed](#) | [Aerospace Manufacturing](#)

© 2009 MIT Publishing

Created by Tangerine New Media