

X:CEL SUPERTURN GROUP

PRECISION MACHINING
DEEP HOLE BORING AND CNC HONING
SUBSEA SEALING SOLUTIONS
RING JOINT GASKETS

The X-Cel Superturn guarantee

- Superior service
- Flexibility to meet the fast changing and exacting needs of our customers
- Responsive 24-hour emergency service



www.x-cel.com



X-Cel Superturn (GB) Ltd
Millstone Works
32 Atlas Way, Atlas North
Sheffield UK S4 7QQ
Tel: +44 (0)114 243 2898
Fax: +44 (0)114 243 6642
sales@x-cel.com

X-Cel Superturn (US) Inc
21732 Provincial Blvd
Suite 170, Katy TX 77450
Tel: +1 281 492 9333
Fax: +1 281 492 9342
usa@x-cel.com

X-Cel India (PVT) Ltd
Subhadra Estte, Sector-58
Samipur Road, Ballabgarh
Faridabad, Haryana
india@x-cel.com
Contact UK sales team

PRECISION MACHINED COMPONENTS

With more than 25 years engineering experience, X-Cel Superturn (GB) Ltd have established themselves as an industry leader, securing a variety of global contracts for the supply of precision machined components.

Working in the Aerospace, Oil & Gas, Petrochemical and Nuclear Industries, with all their inherent demands, has enabled our technical team to perfect manufacturing techniques and procedures which give exceptional and consistent results, with a particular bias on components manufactured from exotic metals and high nickel alloys.

At our Sheffield site we currently have 16 CNC lathes, 7 CNC machine centers and 2 Mill/Turn centers, giving us the capacity to produce components from 6mm Ø through to 1500mm Ø and up to 6mtrs in length.

We are proud to offer a complete supply service to our customers which includes, material sourcing, non destructive testing, hard facing, surface treatments and coatings and stockholding (by agreement).

CAPACITY MANAGEMENT

X-Cel Superturn's commitment to its customers is repeatedly endorsed through our continued investment in People, Processes and Plant. This strategic investment ensures X-Cel Superturn remains at the forefront of technological advancement while meeting Customer deadlines.

All products are scheduled for CMM verification prior to dispatch thus ensuring they will perform in service. We have large capacity avant-garde CMM'S and a portable Faro arm (CMM) ensuring intricate features can be verified in process providing X-Cel with a tactical advantage in a timely and cost effective manner.



HISTORY

X-CEL SUPERTURN (GB) LTD, Sheffield, UK, formed in October 2007 by merging X-CEL (GB) LTD, started in 1995, and Sheffield Superturn Ltd, started in 1984.

Along with X-Cel India Private LIMITED, also started in 2007, the X-Cel group of companies has now established itself as a prominent specialist supplier to the Oil, Gas, Petrochemical and Power Generation Industries by providing a full range of industrial Gaskets & Seals and Custom Precision Machined Components with a high degree of complexity.

In addition, X-CEL has also developed a strong network of Distributors providing coverage in Scandinavia, Europe, Middle East, Far East, and Australia, as well its own brand new stocking warehouse in Katy, TX.

Both manufacturing facilities, 45,000 sq ft in the UK and 25,000 sq ft in India, are licensed to API 6A-PSL 4, the highest quality level, with the UK office certified to ISO 9001:2008.

We concentrate on forming strategic partnerships with our customers and developing specialist stock control programs for their Proprietary/Custom Parts by making significant investment in raw material, particularly high nickel alloys, to achieve this. In addition, we have comprehensive stocks of API 6A Ring Joint Gaskets in UK, USA & India with a total value exceeding US \$1,000,000 aside from the stock held within our distributor network.

All key personnel are available 24 hours/day, 365 days/year at customer request via office, home, mobile phone or email.

There is no additional charge for Material Test to EN 10204 3.1 or for special packaging/markings as requested by customers.



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DEEP HOLE BORING CNC HONING

Our Deep hole Boring and Honing operations are designed for sub-contract purposes and to compliment our in house manufacturing processes, giving us complete process control from start to finish on the complex and precision machined parts in our range. Our ongoing commitment to investment provides us with an outstanding facility and capacity to provide a diverse range of deep hole configurations.

Deep hole Boring

The Sheffield plant currently accommodates 2 deep hole borers; A Ryzan short borer, capable of boring up to 3,000mm (118") in length, and a Ryzan long borer, with a boring range of up to 6,000mm (236") in length.

We can accommodate material up to Ø400mm (16") with bores ranging between Ø24mm (0.94") and Ø170mm (6.70"). X-Cel prides itself on its ability to bore a wide variety of materials, from High Yield Low Carbon Steels to High Nickel Alloys, and meeting the quick lead time requirements of our customers.

CNC Honing

Our Sunnen HTC-3300W CNC Honing machine has been in place since Late 2008. Designed for the fine finishing of components bores to 0.001" tolerances and working to surface finishes of 32cla/0.8µ inch, it has a stroke length of 3,000mm (118") and with its CNC programming capabilities is able to hone component lengths up to 5,300mm (216").

In addition to our boring and honing section, X-Cel has invested heavily in improving the end product of sub contract operations involved in the production process. By establishing and managing our own brazing, cutting and drilling departments, X-Cel has expanded its process control and brought quality control in house, thus saving time and money and reducing the risk of any inaccuracy at a late stage of product development.

X-Cel's commitment to customer service can be demonstrated by the inception of our new hard facing department which has been installed solely to facilitate the reduction of the manufacturing lead times on down hole tools.

Our intrepid approach to business development and our capacity for on site expansion allows us to swiftly accommodate the demands of both new and existing customers.



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