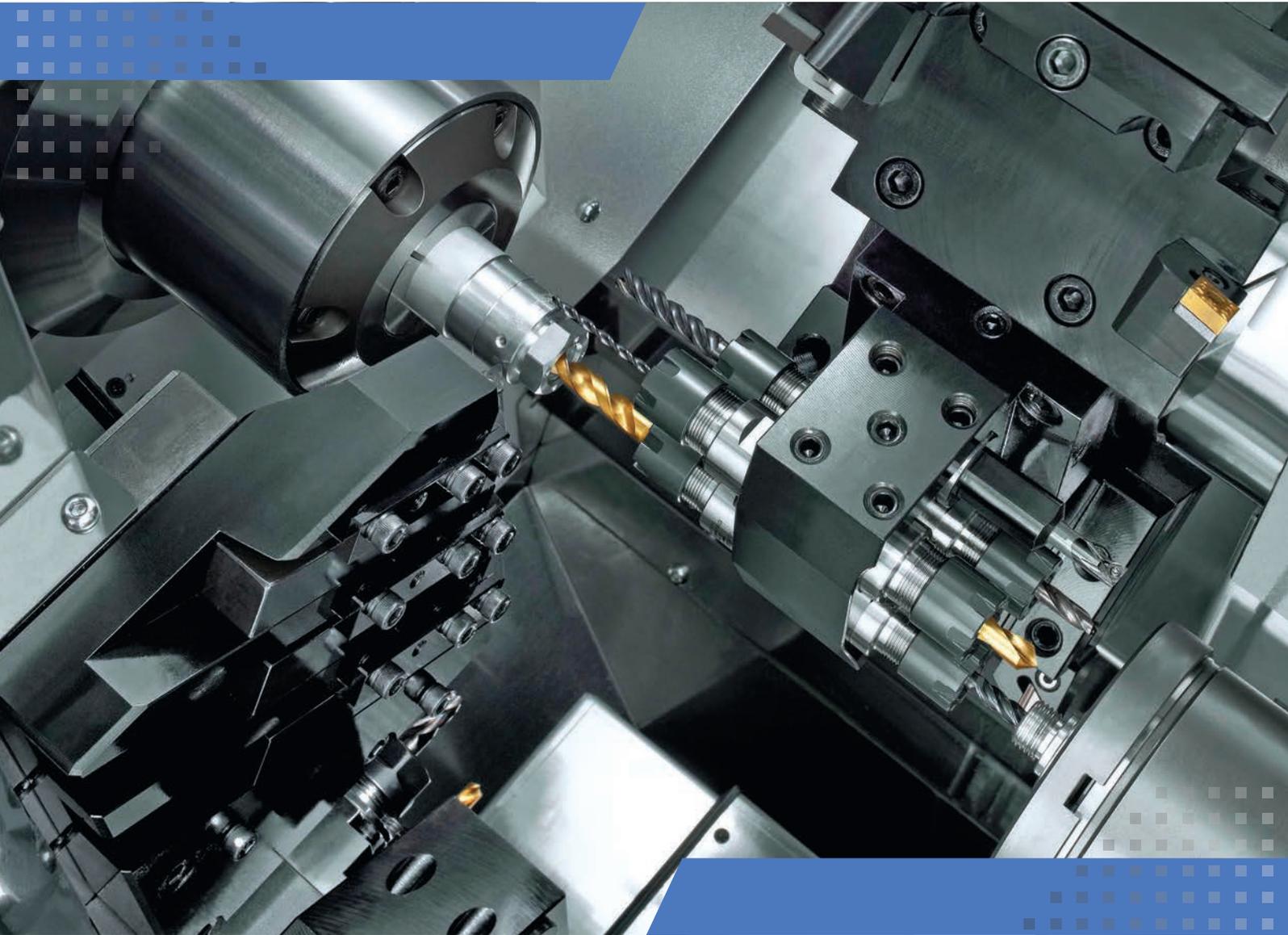


CITIZEN

ADVANCED CNC MACHINING TECHNOLOGY

Bar Turning Solutions from 1-80mm diameter



Cincom & Miyano

citizenmachinery.co.uk

CITIZEN MACHINERY UK

Citizen Machinery UK Ltd, based in Bushey and Brierley Hill, is a world-leading CNC machine tool manufacture supplying the latest CNC mill-turn technology to UK industry. Following a merger in January 2011 the company incorporates staff and resources from the UK machine tool operations of both Citizen (Citizen Machinery UK Ltd, formerly NC Engineering Ltd) and Miyano (Miyano Machinery UK Ltd, formerly Macro Machine Tools Ltd).

We have been successfully serving UK manufacturing industry since 1974 - now as part of the Citizen group, famous also for its precision watches and electronics. Our products encompass Citizen's extensive range of high performance Cincom Sliding Head CNC lathes and Miyano Fixed Head CNC lathes.



LFV
technology

LFV TECHNOLOGY (LOW FREQUENCY VIBRATION TECHNOLOGY)

Citizen's patented LFV technology has been developed to provide programmable chip size to enable swarf control. This unique and ground breaking technology can transform the production of precision turned components, increasing productivity of difficult-to-cut hard and soft materials, removing or reducing the need for high pressure coolant, improving surface finish and increasing tool life through reduced heat generation.

Productivity is increased using "air cutting" techniques generating smaller chips by interrupting and overlapping subsequent cuts - chips are broken up and do not become entangled with the material or tool. Now widely used around the world by thousands of Citizen customers.

Available across the range utilising 3 modes of operation in more than one axis simultaneously, including thread cutting. The machine is mechanically designed to avoid the use of macros to help improve process stability allowing extended unattended operation.

TOMORROW'S TECHNOLOGY TODAY



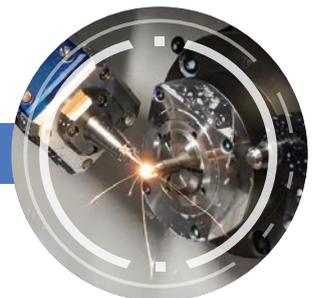
TOUCH SCREEN
TECHNOLOGY



LOW FREQUENCY
VIBRATION
TECHNOLOGY



INTELLIGENT OFFLINE
PROGRAMMING
SOFTWARE



LASER CUTTING
TECHNOLOGY



WHY CHOOSE CITIZEN UK

Choosing Citizen UK for your next machine purchase will be one of the safest investments you can make. In selecting Citizen UK, you are investing in a company that has been providing first class service and support to its customers for almost 50 years. Our UK business, which is staffed by 60 long-term employees, operates out of two locations – our HQ at Bushey and our new Turning Centre of Excellence at Brierley Hill. As an OEM, we manufacture all of our machines using the latest Japanese technology and our after-sales service is backed by a team of highly skilled, factory-trained engineers.

We have an engineer located within 2 hours travel to all of our customers. We are able to respond to breakdowns quickly, ensuring 92% of all repairs are fixed within the first visit within 4 hours.

INVESTMENT FOR THE FUTURE

Citizen Machinery has the reputation for offering highly profitable solutions and low manufacturing cost per component. Trade-in residual values of Citizen machines are typically higher than competitor models.

MACHINE DEVELOPMENT

Citizen's reputation for innovation is well founded and to maintain our position as a world-leading machine tool manufacturer, Citizen re-invests 25% of all profits into new research and development. This has ensured we are always at the forefront of the industry, helping to pioneer new technology such as Low Frequency Vibration (LFV), easy to use and fast control systems, integrated laser solutions and hybrid technology. Investing in a Citizen machine ensures your company remains competitive and maximises your growth potential.

BESPOKE SOLUTIONS PROVIDER

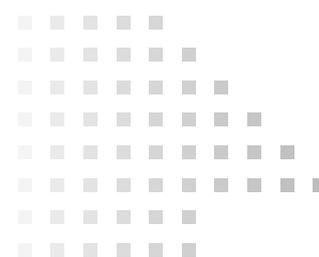
Citizen have many years of experience in providing highly productive turnkey solutions:

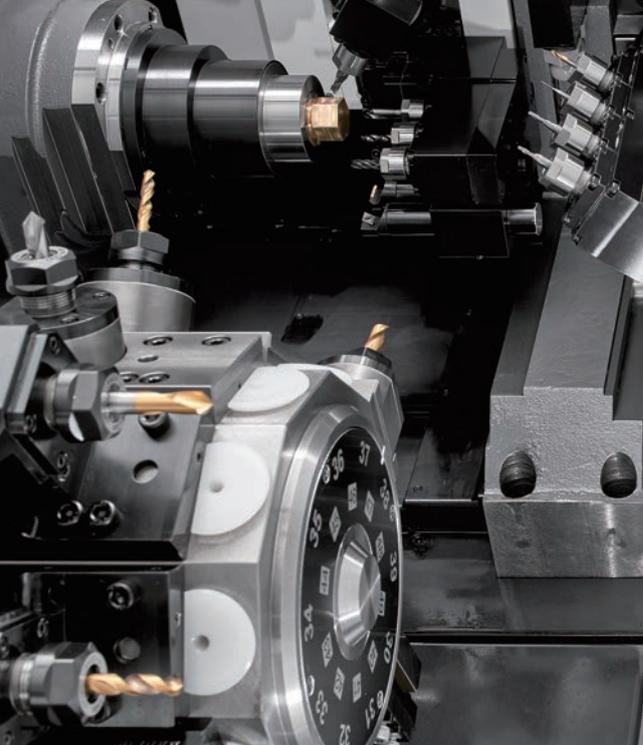
- Numerous barfed solutions
- Auto loading of billets or near shaped material
- Automated unloading of high value complex components
- Integrated laser solutions
- Hard turning
- Sub-micron turning
- Remote diagnostic capability
- Unattended operation including machine monitoring

CITIZEN FINANCE

Through Citizen Finance we will work with you to identify the best way to finance your next machine. We can build an investment case for your business and calculate the manufacturing cost per component.

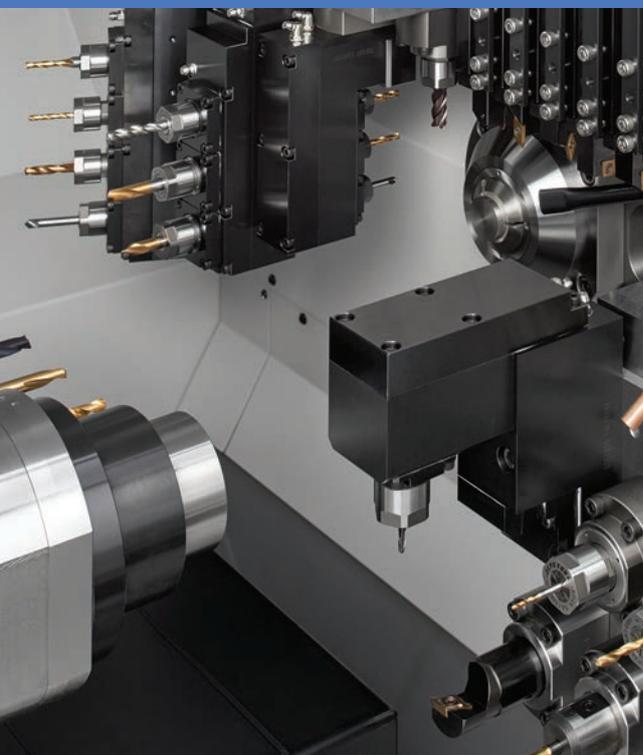
Finance options include short/long term HP, lease options, rental agreements and part exchange.





We invest 40%
of our capital
expenditure in Citizen
machines, they give us
60% of our turnover
which contributes 80%
of our profit!

Citizen UK Customer



CINCOM

Cincom is the market leader in the production of CNC sliding head automatic lathes. Their rigid construction and user-friendly, high-speed control systems provide impressive machining results, positioning Cincom at the cutting edge of machine tool technology. Each machine perfectly combines high-quality Japanese components with the technological precision of Citizen's best-selling wristwatches, an industry in which Citizen has been a world leader for more than one hundred years.

WHY CINCOM

The versatile and efficient Cincom range has been constantly improved over the years and thanks to the company's continuous investment in research and development, each machine is packed with the latest advanced technology. Cincom's position as UK market leader is the perfect testimony to this. Cincom is also backed by Citizen's industry-leading after-sales service and support.

- Latest Citizen Software
- Manual retrace (forwards/reverse)
- LFV (Low Frequency Vibration)
- CNC Wizard Programming aid
- High speed check
- Industry 4.0 compliant
- User friendly controls
- Hybrid (Eco) technology
- Built in programming/setting aids
- Laser Technology
- Machine tool monitoring
- Super imposed machining
- True 5 axis simultaneous control

CNC Sliding Head Lathes



A series



7 axis Fanuc controlled featuring LFV with the ability to switch between guide bush and non-guide bush types.



D series

12 axis with double gang tool posts and B axis allows balance turning and pinch milling as standard. Enables short cycle times for high productivity at a low cost per part.



L series



Up to 9 axis modular tooling capability with optional B axis and back working Y axis tool post



M series

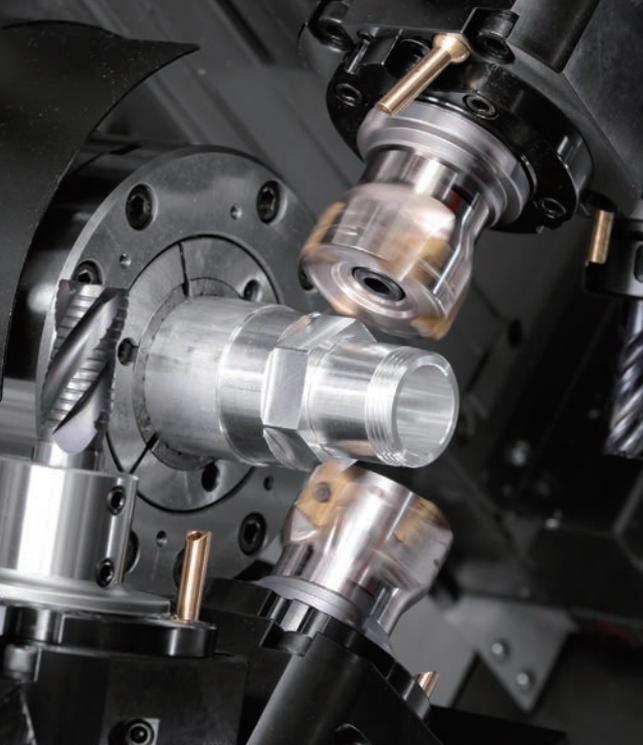
13 axis flagship machine with combination gang and turret. The most fully flexible and versatile solution. 3 tools simultaneous cutting.



R series

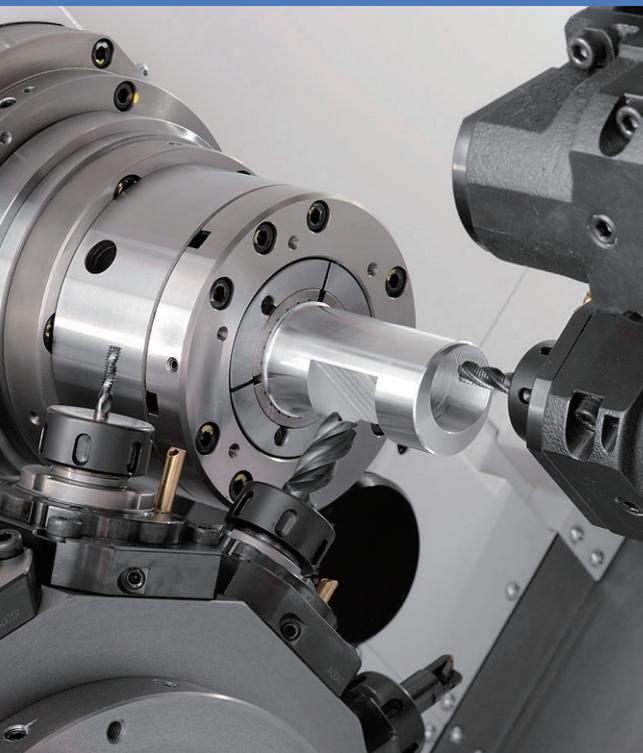
The solution for sub micron capability and ultra small diameter parts. Linear drives.





They are heavy, compact and very robust, which leads to high accuracy, repeatability and reliability. They need very little money spent on them for repair, so cost of ownership is low.

Citizen UK Customer



MIYANO

From single-spindle machines to twin-spindle, multi-turret turning centres the Miyano range of CNC Fixed Head Turning Centres is both adaptable and proficient, with up to 80mm bar turning, helping you do more for less.

WHY MIYANO

Thanks to Citizen's patented technology, the Miyano machines offer shorter cycle times for even the most complex of tasks utilising superimposed machining as standard. Constructed for durability, with up to 12-tonne rigid one-piece-casting, the range offers increased productivity and prolonged tool life, plus thermal growth compensation, superior surface finish using highly accurate bolt-on holders.

- Latest Citizen Software
- Model specific LFV (Low Frequency Vibration)
- CNC Wizard Programming aid
- High speed check
- Industry 4.0 compliant
- User friendly controls
- Hybrid (Eco) technology
- Built in programming/setting aids
- Laser Technology
- Machine tool monitoring
- Thermal displacement compensation
- Load monitoring



CNC Fixed Head Turning Centres



BNE series

The BNE series is renowned for its high rigidity, heavy cutting capability and outstanding speed and precision. Simultaneous machining with the ability to have 3 tools in cut utilising 2 turrets.



BNJ series

Miyano's best selling lathe, now in its 6th generation due to its flexible capability and one hit machining operation.



ABX series

A heavy duty mill turn lathe with up to 3 Y-axes. Flexible tool layout with all stations driven. High efficiency and productivity with superimposed machining capability.



ANX series

The ANX is a highly productive model, twin turrets, twin Y axis and superimposed machining, fitted with the latest LFV Technology on a Fanuc control.



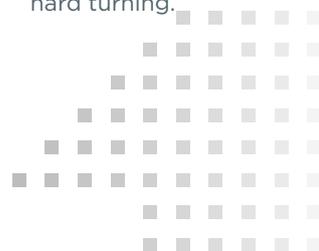
BNA series

Packs sophisticated functions and high accuracy into a space-saving compact footprint.



BND series

Highly accurate and powerful, suitable for hard turning.





CITIZEN



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