

Products

SAFETY & ARMING DEVICES



Products

HEALTHCARE & AEROSPACE

Precision parts for CT X-ray tube inserts, surgical equipment, and aircraft assemblies



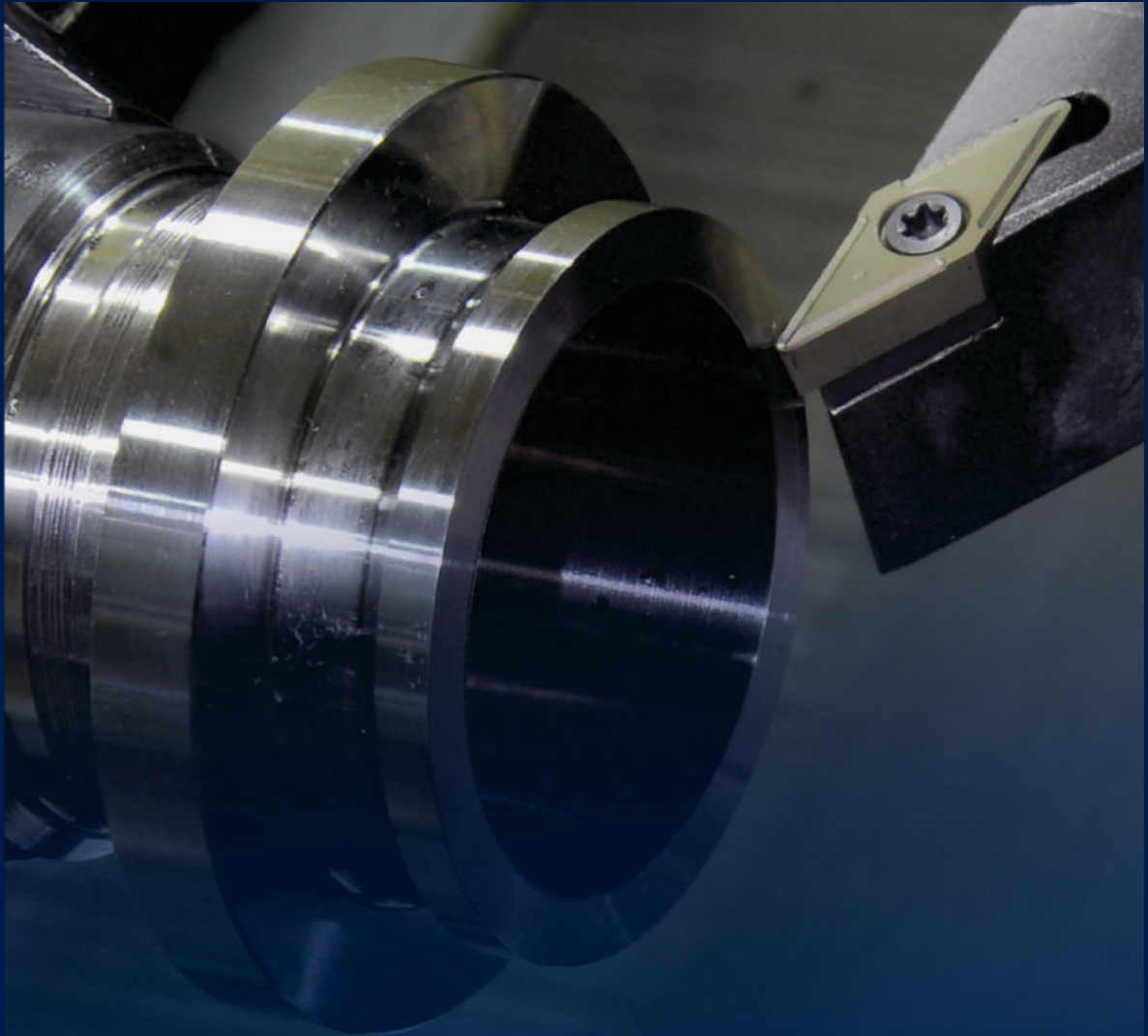
  
**MICRON INSTRUMENTS**  
P R I V A T E L I M I T E D  
*Precision engineering since 1958*  
[www.microninst.com](http://www.microninst.com)

143-B, Industrial Area-1  
Chandigarh-160 002, India  
Phone : +91.172.265779, 5086576  
Fax : + 91.172.2655614, 2657790  
email : [info@microninst.com](mailto:info@microninst.com)

Plot nos. 277-279 & 288-290  
HSIIDC Industrial Estate  
Barwala-134118 (Haryana), India  
Phone: +91 1733 256157, 256159

Registered office : P-4/90, Connaught Circus, New Delhi -110 001, India  
Phone : +91.11.23363383, 23361505 Fax : +91.11.23746449  
email: [info@microninst.com](mailto:info@microninst.com)

MICRON INSTRUMENTS



combining innovative  
system design capability  
with advanced  
**component  
manufacture**



Our plants in Barwala (above) and Chandigarh house a workforce of six hundred

## The Company

Micron Instruments is a light Mechanical Engineering company with over 50 years experience in the development and manufacture of high precision defence armament stores, mainly ammunition fuzes, safety and arming devices, clockwork mechanisms, other precision components for various ammunition products. With an ISO 9001 and 14001 certification, a skilled and disciplined work force of 600 employees including 60 engineers, and ample facilities to undertake development and manufacture of high precision light engineering products, Micron is ideally positioned to address emerging global manufacturing opportunities.

Micron specializes in complete mechanical manufacture covering tool design and product development, individual piece part manufacture through to assembly of complex mechanical systems.

Our main customers include the Indian Ministry of Defence, various ordnance factories, Indian defence public sector undertakings and various international defence companies.

Micron has extended its product range and customer base into other industrial sectors and is supplying high precision mechanical components for medical equipment, primarily to USA, Japan, Sweden and France. The Company has also made a foray in the aerospace industry and supplies precision machined and geared parts to the aerospace industry.

Our strength is our flexibility and ability to respond quickly to our customers' requests and fulfil their requirements. A competitive edge is maintained using modern technology and equipment, effective manufacturing systems, stringent quality management systems and optimum utilisation of skilled and qualified human resources.

- 1997 - BAe Systems' Chairman's Award for Innovation

2001 - National Award from Indian Ministry of Defence, 1st Prize for Indigenisation & Import Substitution

2002, 2003 - Awards for Export Excellence from Engineering Export Promotion Council

2003 - Supplier Award from GE Healthcare

2005 - Export Award from GE Healthcare for enhancing growth of Direct Exports for GE Healthcare

2007 - GE Healthcare Global Quality Award

2009 - GE Healthcare Quality Award
- 
- ## Capabilities
- Our capabilities range from prototyping through development and industrialisation to large volume production for consumption in the domestic and international markets, and include:
- Tool design – using CAD software such as AutoCAD and Pro-E
  - Tool manufacture – using jig boring, jig grinding, CNC, wire EDM machines, tool and cutter grinding, cylindrical and surface grinding and heat treatment furnaces.
  - CNC turning, vertical machining centres
  - Multi-axis CNC sliding head machine
  - Multi-spindle transfer machines
  - Fine gear cutting machines
  - Presses up to 100 tons
  - Conventional turning and milling machines
  - Twin-head Swiss turning machines
  - Surface Treatment - anodising, chromate conversion, nickel-plating, tin plating, zinc plating, passivation
  - Final assembly and simulation testing
- ## Quality
- Micron is an ISO 9001 accredited company and operates a Quality Management System that meets with national and international standards by complying with customers' requirements and expectations.
- A comprehensive Quality Assurance System ensures quality of our products through all stages of the manufacturing process, including traceability and in-house calibration of all measuring equipment and gauges.
- We achieve the highest level of quality with continuous process monitoring system aided with the use of modern quality control equipment which includes:

  - CNC 3D Co-ordinate Measuring Machine
  - Vision Measuring system
  - Horizontal Metroscope
  - Tool makers microscopes
  - Universal optical dividing head
  - Surface finish tester
  - Coating thickness tester
  - Inspection Microscopes
  - Non destructive test facility**
  - Magnetic particle testing
  - Ultrasonic testing
  - Dye penetrant testing, both Fluorescent Penetrant Inspection(FPI) and Visible Red Dye Penetrant (LDP)
- At Micron, we always strive to ensure that our Quality Control processes meet or exceed the requirements of international standards.
- ## Products
- ### AMMUNITION FUZES
- 
- 105mm  
Artillery Time &  
Percussion Fuze  
213 Mk 5(M1) for  
HE Round
- 
- 105mm  
Artillery Time &  
Percussion Fuze  
213 Mk 5(M2)  
for Cargo Round
- 
- 120 mm  
Mortar Time &  
Percussion Fuze  
213 Mk 5(M4)  
for Cargo round
- 
- 81mm  
Mortar Time &  
Percussion Fuze  
213 Mk 5(M3)  
for Cargo Round
- 
- Time &  
Percussion Fuze  
213 Mk 5 (MR)  
for chaff dispenser  
Rocket
- 
- PD Fuze  
L-106  
for  
105-155mm  
Round
- 
- FUZE PDM 572  
for 155mm Round
- 
- Time fuze FFV-447  
for 84mm RL  
Illuminating Round
- 
- Nose fuze 1121  
for 1000lbs  
retarder bomb
- 
- Fuze PDM 572  
(Naval version)  
for HE Round
- 
- Fuze for  
23mm ZSU-23
- 
- Konkur Fuze  
for missile warhead
- 
- Fuze A-670 M  
for 30mm HE  
Round