

# Centre for Sensors, Vision Technology and Controls

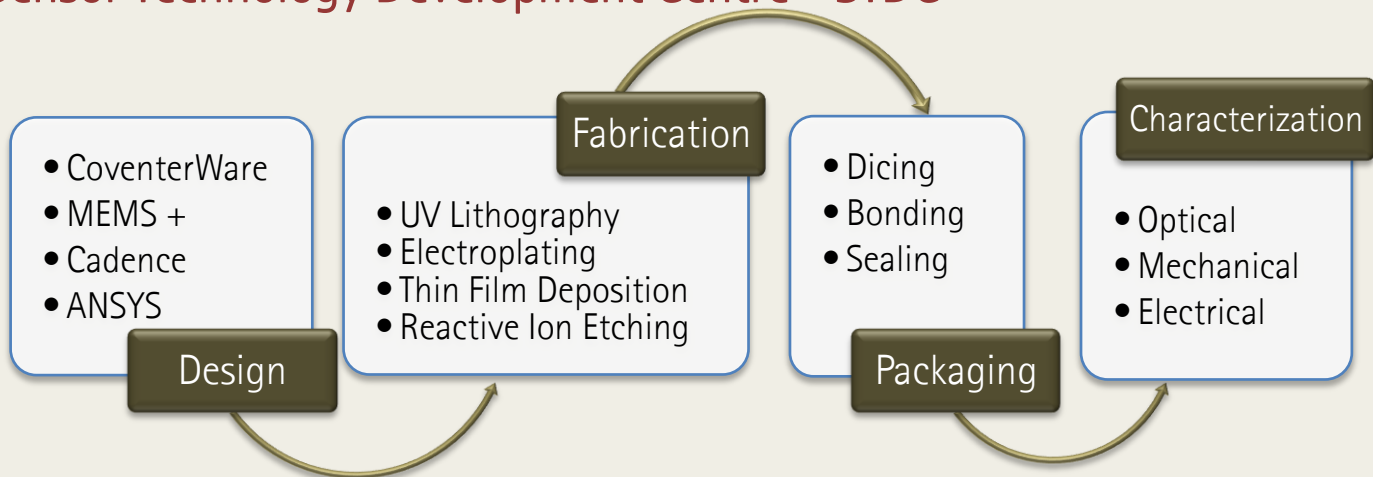
## Objectives:

- Acquire and assimilate Sensor development and manufacturing technologies
- Provide Micro Systems Design, Fabrication, Characterisation, Packaging services
- Create opportunities for Industries and academia to undertake collaborative R & D work on Micro systems Technology

## Facilities:

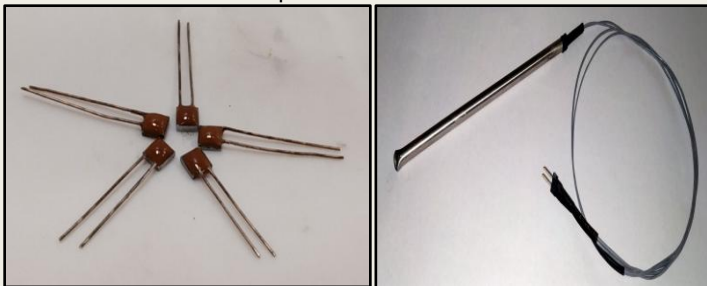
- The facility comprises of a Class 100, 1000 and 10000 clean rooms.
- The complete facility is capable of handling 6 inch and below wafer sizes.

## Sensor Technology Development Centre - STDC

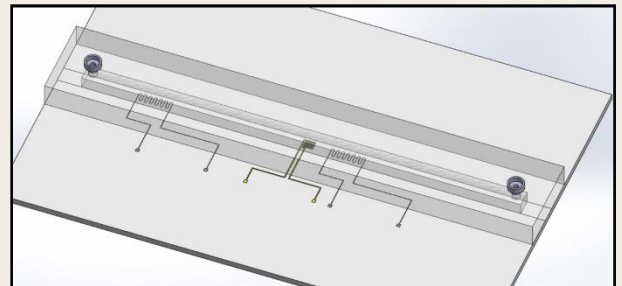


## Research Outcome at STDC

Temperature Sensors



Flow Sensor



For research collaborations and technological solutions contact

Shanmugaraj V.  
Joint Head,  
Centre for Sensors, Vision Technology & Controls  
Central Manufacturing Technology Institute  
Tumkur Road, Bengaluru - 560022  
Phone: 080-22188349 | +91-9449842688  
Email: shanmugaraj.cmti@nic.in

Usha S.  
Joint Director  
Central Manufacturing Technology  
Institute  
Tumkur Road, Bengaluru - 560022  
Phone: 080-22188230 | +91-9449842682  
Email: usha.cmti@nic.in

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www.cmti-india.net | Tumkur road | Bengaluru | 560022

# Microsystems Fabrication at CMTI



Mask Aligner



Mask writer



Wet benches



Spin Coater



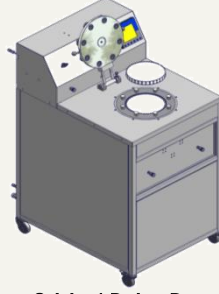
E-Beam Evaporator



UV NIL



Hot Embossing



Critical Point Dryer



DRIE



Electroplating

# Microsystems Packaging at CMTI



Wafer Dicer



Plasma Cleaner



Wire Bonder



Flip Chip Bonder



Wafer bonder



Seam Sealer



E-Beam Welding

# Microsystems Characterization at CMTI



Optical Microscope



Bond tester



Probe Station and Impedance Analyzer



He Leak Detector



X Ray Inspection



Thermal Cycling