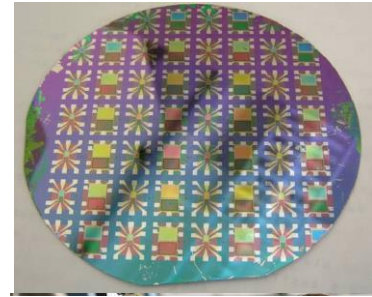
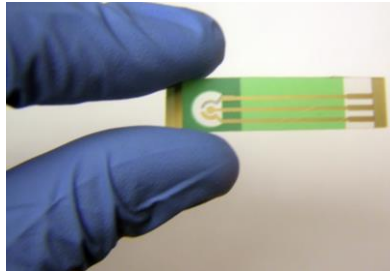
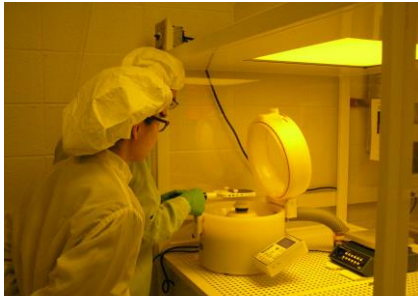


Electronics Design Center

The Electronics Design Center is one of Case Western Reserve University's many professional service centers which offers its facilities & expertise to internal and external customers.



The Electronics Design Center (EDC) is a world-renowned research center specializing in the development of microsensors and microsystems. The Electronics Design Center dedicates itself to the facilitation of technology transfer between a university and an industrial environment. The EDC is not only a research and educational center but also a fully equipped microfabrication laboratory. We specialize in small, prototyping runs of devices or can provide a service on a device that you already possess. One of our unique strengths is applying microfabrication processes to non-silicon, non-traditional materials.

SERVICES AND EXPERTISE:

Thin Film Clean room contains:

- Sputtering System (DC), Denton Vacuum Discovery 18
- Sputtering System (RF), Denton Vacuum Explorer 14
- Sputtering System (DC,RF) Denton Vacuum Explorer 14
- Targets: Ag, Al₂O₃, Al, Au, C, Cr, Cu, Ir, Ni, Pb, Pd, Pt, SiO₂, Ta, Ti, W, and many more

Thick Film Clean room contains:

- Thick Film Printer, MPM TF-100
- Inkjet Printer, Asymtek Century C-730
- Spin Coater, SCS
- Picospritzer, Parker Automation
- GIX Microplotter
- Oven, Furnace

Processing Clean Room contains:

- Programmable High Torque Spin Coater, Laurell
- Programmable Spin Coater, Laurell-
- Programmable Hot Plate, Wenesco
- Photomask Aligner, ABM

Additional Equipment:

- Dicing Saw, DISCO DAD3350
- Cutting & Marking Laser, Versa 2.30
- Resistance Measurement, Lucas Labs 4 Point Probe
- Spot Welder, Unitek

- The EDC provides services such as custom sputtering, microfabrication, thick film printing, and wafer dicing.
- The EDC trains users on its equipment and allows access to its laboratories for processing.
- The EDC provides access to its laboratories and equipment for courses, both credit granting courses and short courses

- EDC website: engineering.case.edu/edct



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Electronics Design Center (EDC)

The EDC website can be found at: <https://engineering.case.edu/edct/>

The EDC iLab site can be found at: https://cwru.corefacilities.org/service_center/show_external/5609

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The Electronics Design Center is one of the many core facilities and service centers at Case Western Reserve University. More services and expertise can be found at: research.case.edu/corefacilities



*Denton Vacuum
Sputtering System*



MPM TF-100 Screen Printer



ABM Mask Aligner



Disco Wafer Dicing Saw