

Materials Analysis Laboratory Services

Dr. Ronald Pratt, Ph.D. in Materials Science and 15-year electronics industry veteran, has formed Pratt Technologies, LLC, to provide training, consulting and laboratory analysis services to the domestic electronics industry



Materials Analysis Lab at Pratt Technologies, LLC

Pratt Technologies, LLC

867 Ayrault Road

Fairport, NY 14450

Tel: 585-223-6454

Fax: 585-223-6322

rpratt@pratttechnologiesllc.com

www.pratttechnologiesllc.com

Pratt Technologies, LLC maintains a Materials Analysis Laboratory that provides full destructive and non-destructive analysis capabilities for printed circuit boards and electronic assemblies. Laboratory analysis is offered as a stand-alone service or as a supporting tool for consulting and training projects.

Capabilities and equipment include:

Mechanical Testing Cell:

- Vickers or Knoop Microhardness testing.
- Mechanical strength testing (up to 500 lbs) with Tensile Tester.
- Solderability testing using meniscograph.

Microsectioning Cell:

- Destructive cross-sectional analysis.
- Diamond band saw, grinding / polishing console.
- Metallurgical microscope, up to 1000X, bright field / dark field, polarized light.

Microscopy Cell:

- Metallurgical microscope (up to 1000X).
- Stereoscopes (up to 40X).
- Endoscope (to view BGA solder joints).
- Laser Scanning Microscope (topography).
- Mantis inspection scope.
- Digital imaging system.

Non-Destructive Analysis Cell

- Real-time x-ray imaging

PRATT TECHNOLOGIES, LLC