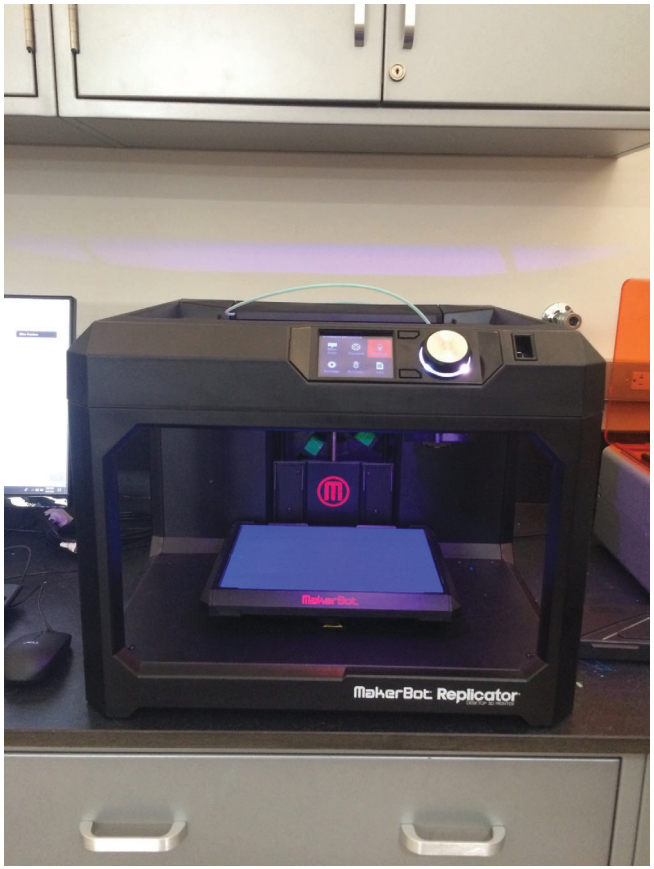
Laboratory Equipment at Mechanical Engineering Department in Loyola Marymount University

StrataSys F270 3D Printer

MakerBot Replicator 3D Printer

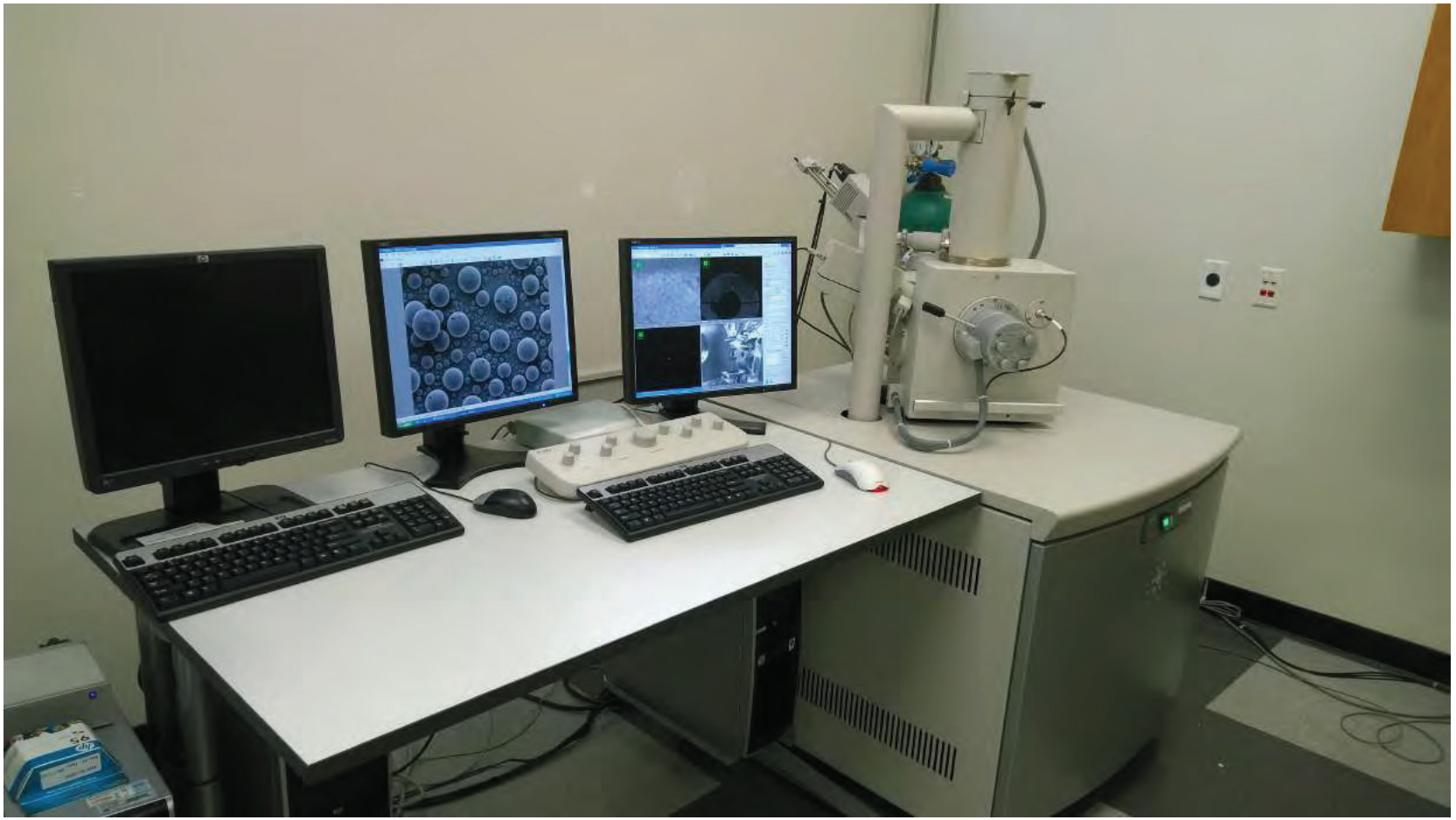


Formlabs 3D Printer

Objet30 Prime 3D Printer

3 Units of 3D Printers
In the Engineering Design Center

SEM



3/15/2013

AFM

Hydrogen Annealing Furnace Assembly, Model #T-6x6W – 200 - VG

Hydrogen Annealing Furnace Assembly, Model #T-6x6W – 200 - VG

Fracture Mechanics System
MTS 810

Charpy Impact Tester

Eddy Current Conductivity Kit Hocking Auto Sigma 3000

Four Probe Method for Measuring Electrical Resistivity (Keithley 181 Nanovoltmeter)

Blue M MagniWhirl Oil Bath Furnace

Olympus PME Optical Microscope (2 units)

Rockwell/Delta Vertical Band Saw

Two Milling Machines

TL2 CNC Toolroom Lathe

Tensile Specimen Cutter

Wilson/Rockwell Hardness Tester (Superficial and Regular)

Instron Model 4505 Universal Testing (22 kips)

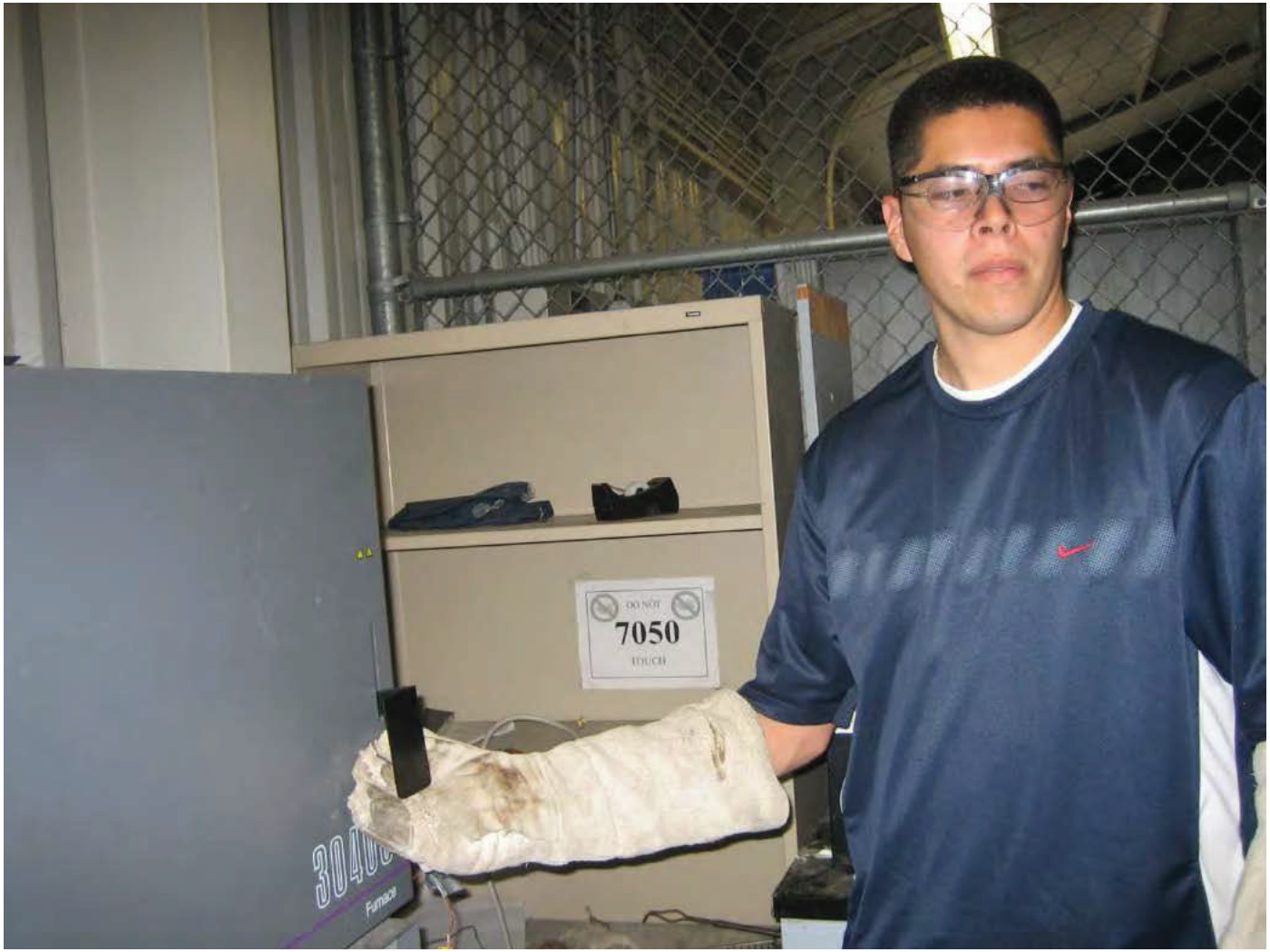
Tinius Olsen Universal Tensile and Compression Testing Machine (120 kips)

Instron 5544 Tensile Tester

Instron 5500R Universal Tester

2 Rotating Beam Fatigue Tester

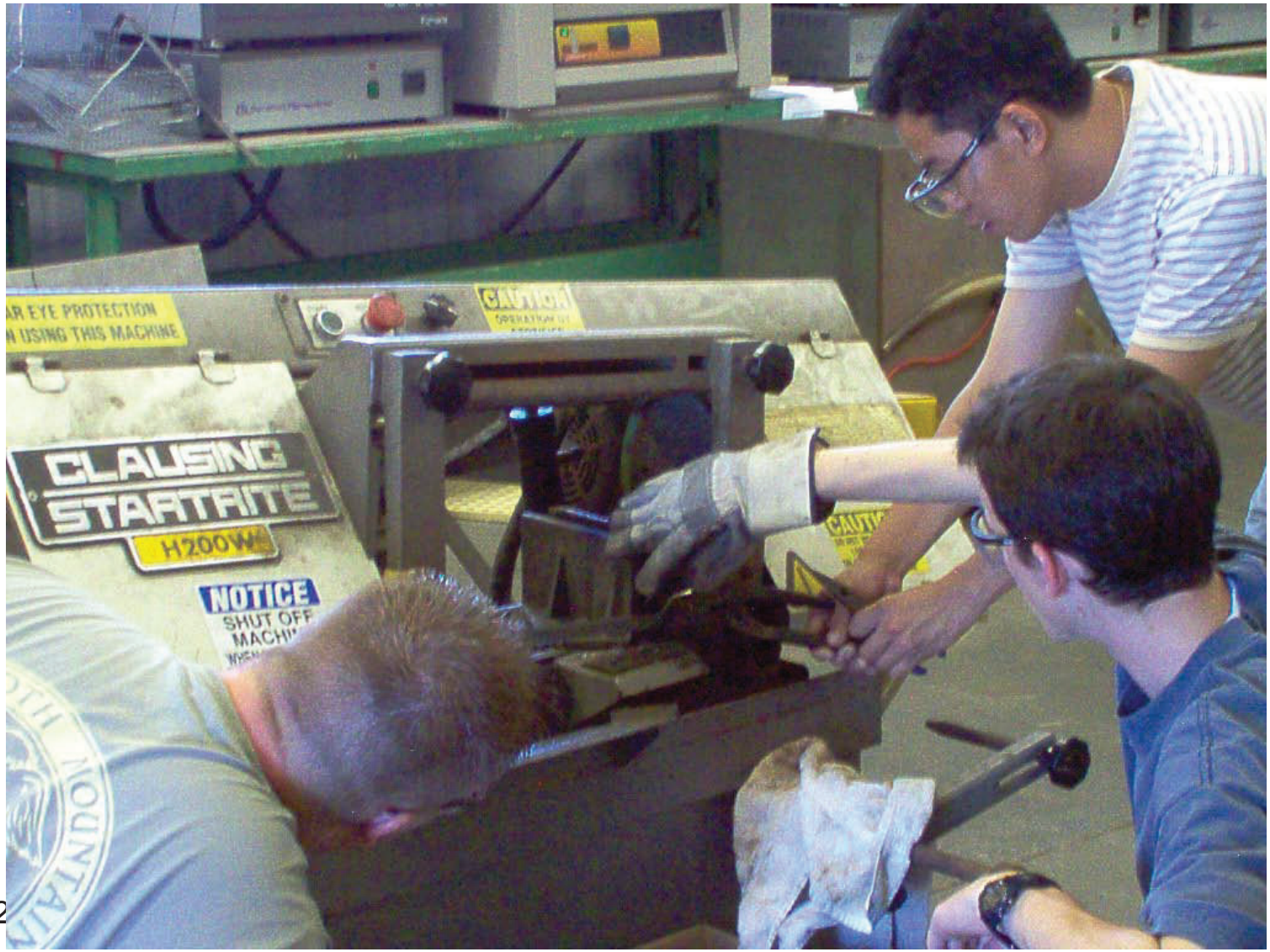
Thermolyne Model 30400 Furnace (6 units)



Thermolyne Series 9000 Oven (11 units, 2 are programmable)

Polishing, Grinding Wheels & Metallographic Accessory Equipment

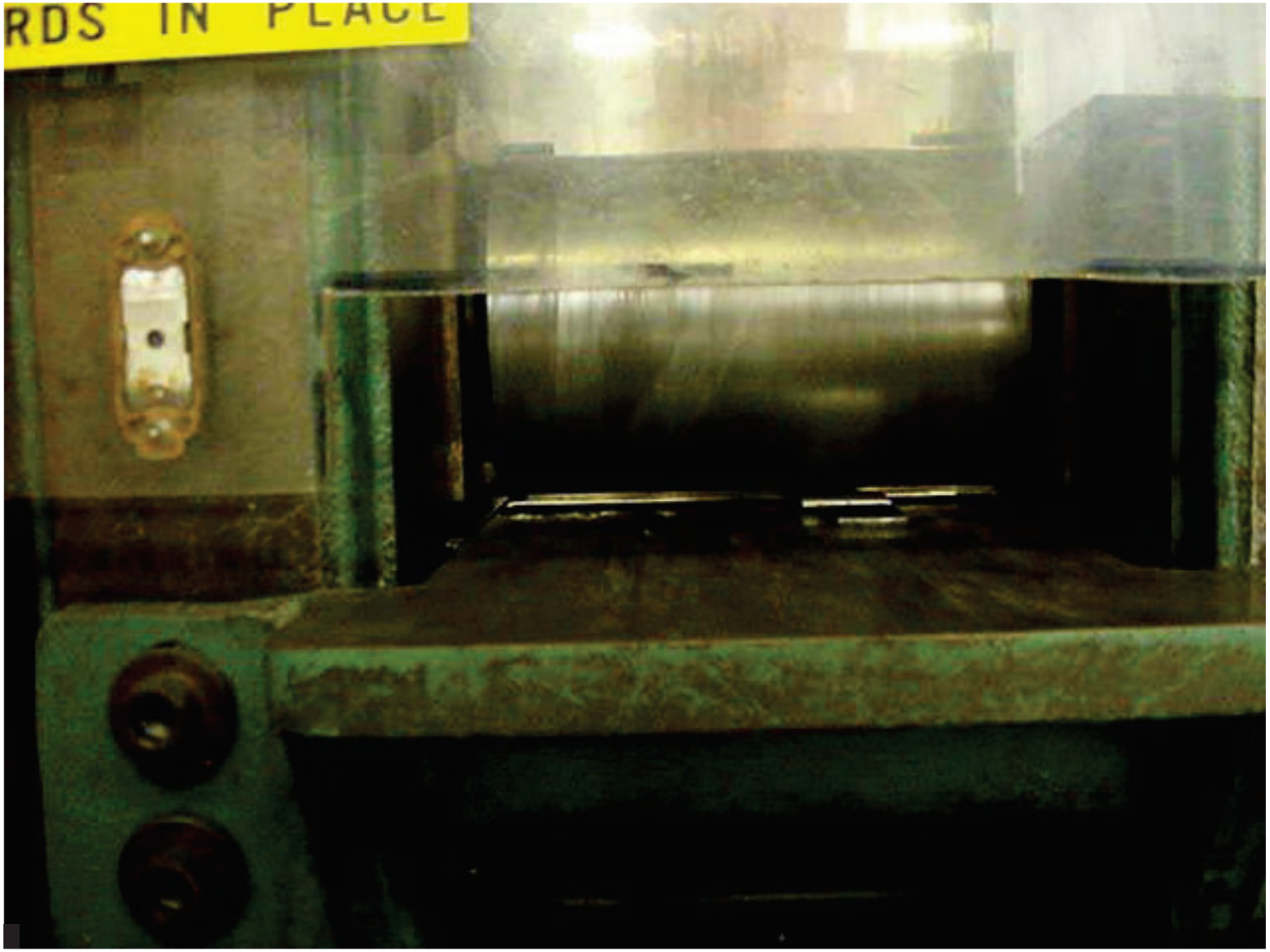
Clausing Startrite (Lay Down) Saw



2 Electro Discharge Machining Unit

SpeedyMelt Salt Bath Furnace with Honeywell UDC 2000

Stanant Rolling Mill, 6 Inch Width



CNC Milling Machine (Emco-Meter), for Machining Tensile Bars

Microindentation Hardness Testing Systems LM310at

Chemical Etching

Mettler Toledo Density Determination Kit # PG203

5 Polisher/Grinder