

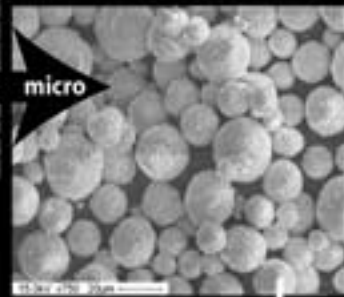
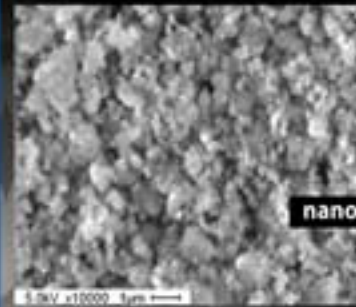
# Plasma Facility



manufacturing/ clean R&D layout



on-site spray-drying nano- to micro-agglomeration

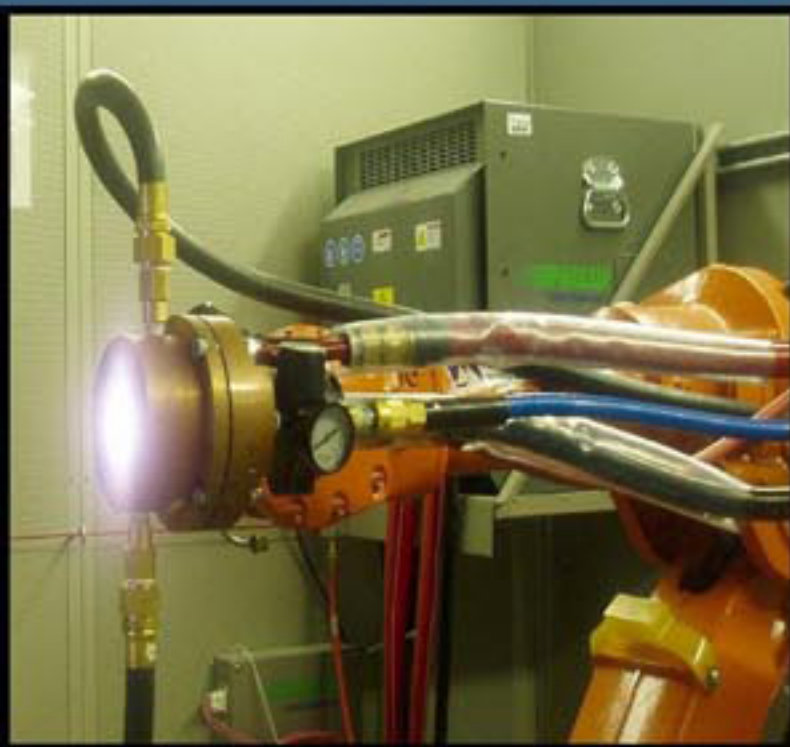


Process monitoring  
SprayWatch (left) and  
Accuraspray (above)



six-axis ABB automated robot gun control

*DURIP Plasma Nanomanufacturing Laboratory  
@ the Research Parkway Technology Incubator, University of Central Florida*



PLC based process control

Mass flow gas control

Realtime process control and  
Graphic user interface

Modular design

On-line diagnostics

Recipe Storage

Engineered for safety

CE compliant

Nitrogen gas shroud applied for spraying Powders with high propensity for oxidation.

Could be used for spraying pyrophoric powders.

Suitable for robot mount and could be used with any plasma spray torches.

## Spraywatch



Mean particle velocity, temperature & flow rate.

Plume vertical position and width.

Recording of all measured parameters for off-line analysis.

On-line adjustment of data acquisition parameters.