

# Dust collection System

- Company: **Praxair Surface Technology**
- 460V/60Hz/~3/PE
- HP- 7.5



# Water Chiller

- Company:  
**MOTIVEAIR**
- 460V/60Hz/60A/3~/PE
- Model : MPCA 2200



Water Chiller



# Powder Feeder

- Company: PRAXAIR Surface Technology
- Model: 1264
- 115VAC/50-60Hz/2.6A
- Canister Capacity 205 in<sup>3</sup>
- Carrier Gas:
  - Nitrogen- 47L/min(max at 100 psi)
  - Argon 66 L/min ( max at 100 psi)



# Mini Spray Dryer B-290

- Company: **Buchi Laboratory**
- 230ACV/50-60Hz
- Power: 2900W
- Max. Temperature Input 220 °C
- Spray Gas Compressed air or nitrogen, 200–1000 l/hr, 5–8 bar
- Nozzle Diameter 0.7 mm



Figure 1.1: Spray Dryer, complete



# Spray Dryer



# LITTLE BLASTER

- Company: Blast-it-all
- Model : **LB 2824**
- **Motor:** 120v/15A  
switch control
- **Dust Collector:** 100  
CFM



# Air dryer

- Company: **INGERSOLL RAND**
- 115V/60Hz/8.8A





# **Plasma Lab Facility**

University of Central Florida  
Orlando- USA



Plasma Spray Booth















# ABB Robot





# Inframat Plasma spray Delivery System



# Inframat Plasma spray Delivery System Top view





# Planetary Ball Mill PM 100

## Company: Retsch



## Plasma GUN

SG 100

Company : Praxair

### **SG-100 Features:**

3 modes of operation for tailored coatings

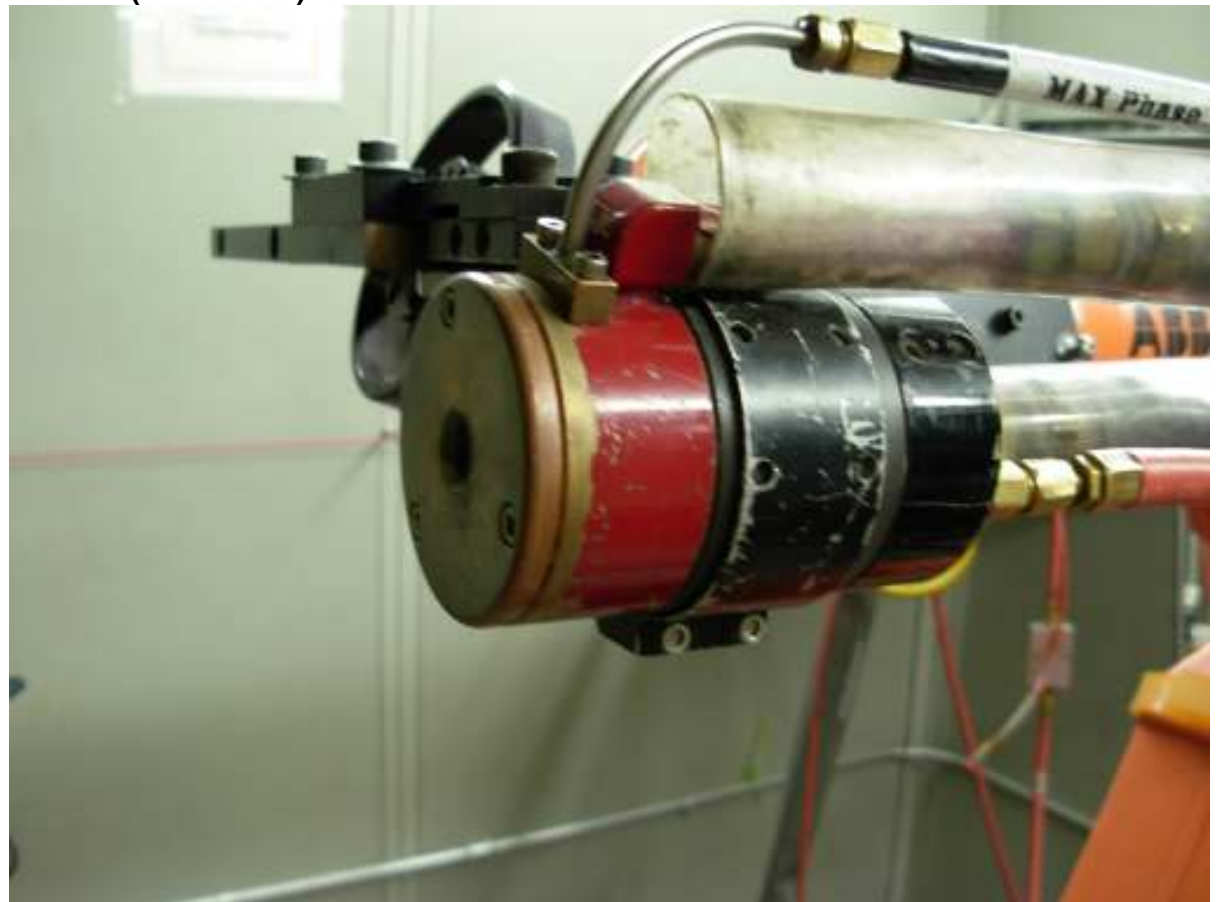
Internal or external powder injection (or both)

Self-aligning components

Long-life anodes and cathodes

High spray rates

Up to 80 kW



- Company : SULZER METCO
    - A. 3MBM Spray Gun-Up to 40 KW
    - B. 9MB Plasma Gun – up to 80KW
    - C. F4MB- 45kW
- Min. spraying distance ( 80mm)

