



Kushner Electroplating School

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TRAINING NEEDS ASSESSMENT QUESTIONNAIRE ON-SITE TRAINING PROGRAMS

Company Profile

Date Prepared _____

Company _____

Address _____

City _____ State _____ ZIP _____

Phone Number _____ Fax Number _____

E-Mail Address _____

Contact Person _____

Title _____

Type of Operation: Captive Job Shop Other _____

Product(s) Produced _____

Parts Produced in Metal Finishing Operations _____

List substrates that parts are made from?

Copper Brass Cast Iron Mild Steel Stainless Steel

Aluminum Plastics

Other (please specify) _____

Number of Shifts per Day _____

Units Produced per Shift _____

Total Plant Employees _____

Total Metal Finishing Employees _____

PLEASE INDICATE THE AREAS YOU WISH TO COVER IN A TRAINING PROGRAM. FEEL FREE TO ADD AS MUCH SITE SPECIFIC INFORMATION AS YOU WANT.

Operations - Surface Preparation

- Alkaline/Soak Cleaning
- Electrocleaning
- Pickling/Acid Dipping
- Other (please describe) _____
- Solvent Cleaning
- Rinsing
- Polishing & Buffing

Processes - Plating Baths

- Cadmium Plating
- Copper Plating
 - Acid Copper
 - Cyanide Copper
 - Other _____
- Chromium Plating
 - Decorative
 - Industrial/Hard
 - Mixed Catalyst
- Electroless Plating
 - Copper
 - Nickel
 - Other (please specify) _____
- Gold Plating
 - Decorative Gold
 - Gold Alloys
 - Hard Gold
 - Other (please specify) _____
- Nickel
 - Sulfate/Chloride (Watts)
 - Sulfamate
 - Other (please specify) _____
- Precious Metal Plating
 - Palladium
 - Platinum
 - Rhodium
- Silver Plating
 - Cyanide Silver
 - Non-Cyanide Silver
- Tin Plating
 - Stannous
 - Stannate
- Tin/Lead (Solder Plate)
- Zinc Plating
 - Acid Zinc
 - Alkaline Zinc
 - Cyanide Zinc
- Alloy Plating
 - Brass
 - Palladium/Nickel
 - Zinc Alloys
 - Others (please specify) _____
- Strike Baths (please specify) _____
- Other Plating Baths (please specify) _____

Processes - Non-Electroplating

- Anodizing – Chromic Acid
- Anodizing – Sulfuric Acid
- Anodizing – Boric/Sulfuric Acid
- Chromating – Cadmium
- Chromating – Zinc
- Chromating – Other (please specify) _____
- Electropolishing
- Passivation
- Phosphating
- Others (please specify) _____

Production Methods

- Barrel Plating
- Brush Plating
- Electroforming
- Electropolishing
- High Speed Plating
- Rack/Tank Plating
- Reel-to-Reel Plating
- Vacuum Processes
- Other (please specify) _____

Other Training Topics

- Mathematics (math of metal finishing)
- Chemistry (chemistry inside the finishing baths)
- Electrochemistry (role of electricity in metal finishing)
- Units and Measures
- Environmental Issues
- Waste Reduction and Management
- Testing of Plated Deposits

- Plating Bath Management
- Basic Statistics of Testing
- Engineering Aspects of Metal Finishing
- Other (please specify) _____

Number of Participants in Proposed Program

Number of Participants _____

Skill Level of Proposed Participants

- Primarily High School Graduates
- Primarily College Graduates
- Various Education Levels

Type of Employees for Proposed Program

- Primarily Engineers
- Primarily Operators
- Primarily Supervisors
- Various Types of Employees
- Other (please specify) _____

Average Years of Experience

- Less than two years
- Two to five years
- More than five years

