

BULLETIN 98 - 05**Date: February 19, 1998**

U.S. Department of Labor Employment and Training Administration Office of Apprenticeship Training, Employer Labor Services (OATELS) Washington, D.C. 20210	<u>Distribution:</u> A-541 Headquarters A-546 All Field Staff A-547 SAC, Lab. Com.	<u>Subject:</u> New Apprenticeable Occupation -- PRODUCT FINISHER <u>Code:</u> 200
Symbols: DNIP/FDK		<u>Action:</u>

PURPOSE: To inform Office of Apprenticeship Training, Employer Labor Services (OATELS), Bureau of Apprenticeship and Training (BAT) staff of a new apprenticeable occupation:

Product Finisher
O*NET Code: 51-9121.01
RAIS Code: 1023
Training Term: 2 year (4000 hours)
Type of Training: Time - based

BACKGROUND: Request for apprenticeability consideration for this occupation was submitted by ATR Louis Nagel, Denver, Colorado, on behalf of Translogic Corporation, Westminster, Colorado.

The occupation does not appear in the Dictionary of Occupational Titles, however, a code has been assigned by an Occupational Analysis Field Center.

We appreciate the efforts Mr. Nagel made in expanding apprenticeship into this new area.

Every Sponsor will develop their own work process and related instruction outline to meet their needs therefore, all of the outlines will have their own unique characteristics. To assist field we have attached one example of the outlines for this occupation.

This occupation will be added to the Bureau's list of recognized apprenticeable occupations.

For further information contact ATR Louis Nagel.

Note: State Directors, please share this information with our SAC partners where appropriate

Attachments

**WORK PROCESS SCHEDULE
PRODUCT FINISHER**

O*NET Code: 51-9121.01 RAIS Code: 1023

DESCRIPTION: Cleans and prepares surfaces to be coated using chemical solutions, belt sanders, and surface grinders. Sets up and operates finishing equipment such as paint sprayers, airless painters powder coating equipment, bake ovens, silkscreening equipment, and electroplating tanks. Selects and mixes paints and/or other coatings to specified color and consistency according to color charts or other formulas using mixing equipment and viscometer. Layout and paints insignias, symbols, or other markings on finished surfaces according to blueprints or other specifications using airbrush or silkscreening techniques. Regulates and controls equipment to cure and dry coatings. Sets up and controls plating equipment to coat metal objects electrolytically with chromium, copper, cadmium, or other metal to provide protective or decorative surfaces. Controls rectifier to adjust the flow of current through plating solution from anode to cathode and to permit electrodeposition of metal objects. Removes plated object from solution at periodic intervals and observes object to ensure conformance to specifications. Adjusts voltage and amperage based on observations. Mix and test strength of plating solution using instruments and chemical tests. Cleans spraying equipment and brushes with solvent.

On-The-Job Training	Approximate Hours
A. Introduction to Plant Operations	100
B. Safety	300
1. Chemical Hazards/OSHA Standards	
2. General Safety	
C. Set-up, Programming, & Operation of the following equipment using the appropriate technical publication	700
1. Finishing machine	
2. Labeling machine	
3. Paint spray equipment	
4. Powder coating equipment	
5. Bake oven	
D. Maintenance of the Following Equipment: Diagnose trouble; clean, disassemble, & inspect defective parts; repair or replace defective parts; reassemble, test, & adjust for proper performance.	700
1. Finishing machine	
2. Labeling machine	
3. paint spray equipment	
4. Powder coating equipment	
5. Bake oven	
6. Spray booths	

E.	Cleaning of the following equipment: Disassemble & clean equipment using the appropriate solvents; inspect, reassemble, test, & adjust for proper performance.	500
	1. Finishing machine	
	2. Labeling machine	
	3. Paint spray equipment	
	4. Powder coat equipment	
F.	Surface Preparation	1000
	1. Belt sanders	
	2. Buffers	
	3. Surface grinding	
	4. Washing	
	5. Priming metal surfaces	
	6. Metal sealants	
G.	Gages & Regulators	200
	1. Proper pressure settings	
	2. Making adjustments	
	3. Clearing water separation	
H.	Mixing Paint to Specifications	200
I.	Plating Procedures	200
J.	Preparing & Routing Required Paperwork	100
	1. Routers	
	2. Time sheets	
	3. Picklist	
	4. Store requisitions	
	5. Warehouse transfers	
	6. Inventory adjustments	
Total		4000

Safety and safe working practices shall be adhered to throughout the apprenticeship.

RELATED INSTRUCTION

FIRST YEAR

Industrial Safety
Chemical Hazard, Communication Standards
EPA Hazardous Waste Disposal
Surface Preparation & Priming Procedures
Tools & Equipment (introduction & safety)
Basic Technical Mathematics
Paint & Powder Coat Mixing Procedures

SECOND YEAR

Industrial Safety
Chemical Hazard, Communication Standards
Grinding Technology
Color Coat Application
Blueprint Reading for Manufacturing

Recommended Related Instruction Hours - 288 (144 hours per year)