Manufacturing Processes



Youth Apprenticeship

MANUFACTURING PROCESSES

Manufacturing Process youth apprentices work with tools, equipment, and processes in various manufacturing industries. Apprentices must adhere to industry safety and security standards.

Length of Apprenticeship: One or two years

REQUIRED COMPETENCIES

Youth apprentices must become proficient in both general employability and occupation-specific competencies. All of these, and examples of how each can be demonstrated, are found in the following pages. Year 1: A total of 17 occupational competencies. (All 7 Manufacturing Fundamentals competencies with no substitution, plus a minimum of 10 Manufacturing Processes competencies.)
Year 2: A total of 8 Manufacturing Processes competencies using a minimum of one different process than learned in Year 1. Employers may substitute out one Manufacturing Processes competency per year and should write in the competency they are adding. Where necessary, skills can be simulated. Youth apprentices must be evaluated on these competencies at least two times each year of their apprenticeship.

Note: Students who completed a previous Manufacturing YA program do not need to repeat the Manufacturing Fundamentals Competencies.

N	Manufacturing Fundamentals Competencies		Manufacturing Processes Competencies
1.	Focus on customer needs	1.	Read technical drawings and work orders
2.	Use various instruments	2.	Interpret manufacturing processes
3.	Operate tools and equipment safely	3.	Identify set up for manufacturing process
4.	Practice quality assurance principles	4.	Select tools and materials
5.	Follow personal safety requirements	5.	Assist production set up
6.	Maintain a safe work environment	6.	Support set up
7.	Demonstrate professional role to be used	7.	Operate equipment
	in an emergency	8.	Monitor product and process specifications
		9.	Process production documents
		10.	Follow shutdown process

REGISTERED APPRENTICESHIP BRIDGING OPPORTUNITIES

The following Registered Apprenticeship is available in this area:

- Industrial Manufacturing Technician
- Machine Repair

POST-SECONDARY PATHWAY OPPORTUNITIES

There are several post-secondary pathway opportunities in this area. The following is an example.

• Precision Machining Technology Technical Diploma

WISCONSIN— YOUTH APPRENTICESHIP SINCE 1991

Manufacturing Processes

Youth Apprenticeship

ON-THE-JOB LEARNING PERFORMANCE STANDARDS GUIDE

YOUTH APPRENTICE INFORMATION

Youth Apprentice Name	
YA Coordinator	
YA Consortium	
School District	
SIGNATURES	
The On-the-Job Learning Performance Standards (Guide includes a list of competencies youth
apprentices learn through mentoring and training	·
should be reviewed with the employer/mentor, so the youth apprentice to record progress and plan competencies. Mentors, school-based/YA coordin	ator, and the apprentice sign below. ployer/Mentor
1 st Evaluation (Required)	2 nd Evaluation (Required)
Employer/Mentor Signature	Employer/Mentor Signature
Employer/Mentor	Employer/Mentor
Business/Company	Business/Company
Date Signed	Date Signed
3 rd Evaluation (Optional)	4th Evaluation (Optional)
Employer/Mentor Signature	Employer/Mentor Signature
Employer/Mentor	Employer/Mentor
Business/Company	Business/Company
Date Signed	Date Signed

School-Based and/or YA Coordinator

1st Evaluation (Required)

2nd Evaluation (Required)

School-Based and/or YA Coordinator Signature	School-Based and/or YA Coordinator Signature
School-Based and/or YA Coordinator	School-Based and/or YA Coordinator
School District or Organization	School District or Organization
Date Signed	Date Signed

3rd Evaluation (Optional)

4th Evaluation (Optional)

School-Based and/or YA Coordinator Signature	School-Based and/or YA Coordinator Signature
School-Based and/or YA Coordinator	School-Based and/or YA Coordinator
School District or Organization	School District or Organization
Date Signed	Date Signed

Youth Apprentice

1st Evaluation (Required)

2nd Evaluation (Required)

Youth Apprentice Signature	Youth Apprentice Signature
Youth Apprentice	Youth Apprentice
School District / High School	School District / High School
Date Signed	Date Signed

3rd Evaluation (Optional)

4th Evaluation (Optional)

Youth Apprentice Signature	Youth Apprentice Signature
Youth Apprentice	Youth Apprentice
School District / High School	School District / High School
Date Signed	Date Signed

EMPLOYABILITY SKILLS (TO BE COMPLETED BY YA EMPLOYER/MENTOR)

All youth apprentices must demonstrate the key employability skills listed below in order to complete the YA program. They do so by earning at least a "Meets Expectation" rating in each. **At least two evaluations are required each year of a youth apprenticeship.** More columns are included below for those who choose to conduct more frequent reviews.

1	Working to Meet Expectations: Needs improvement; requires much assistance and supervision; rarely displays this behavior
2	<i>Meets Expectations:</i> Meets entry-level criteria; requires some supervision; often displays this behavior
3	Exceeds Expectations: Exceeds entry-level criteria; requires minimal supervision; consistently displays this behavior

Employability Skills		Rati	ing	
Competency and Rating Criteria	Initial	Mid Year 1	Mid Year 2	Final
 Develops positive work relationships with others. Examples of qualities and habits that the employee might exhibit include: Interacts with others with respect and in a non-judgmental manner Responds to others in an appropriate and non-offensive manner Helps co-workers and peers accomplish tasks or goals Applies problem-solving strategies to improve relations with others When managing others, shows traits such as compassion, listening, coaching, team development, and appreciation 	☐ 1	☐ 1	☐ 1	☐ 1
	☐ 2	☐ 2	☐ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3
 Communicates effectively with others Examples of qualities and habits that the employee might exhibit include Adjusts the communication approach for the target audience, purpose, and situation to maximize impact Organizes messages/information in a logical and helpful manner Speaks clearly and writes legibly Models behaviors to show active listening Applies what was read to actual practice Asks appropriate questions for clarity 	☐ 1	☐ 1	☐ 1	☐ 1
	☐ 2	☐ 2	☐ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3
 Collaborates with others Examples of qualities and habits that the employee might exhibit include Works effectively in teams with people of diverse backgrounds regardless of sex, race, ethnicity, nationality, sexuality, religion, political views, and abilities Shares responsibility for collaborative work and decision making Uses the problem-solving process to work through differences of opinion in a constructive manner to achieve a reasonable compromise Avoids contributing to an unproductive group conflict Shares information and carries out responsibilities in a timely manner 	☐ 1	☐ 1	☐ 1	☐ 1
	☐ 2	☐ 2	☐ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3

	Employability Skills		Rati	ing	
	Competency and Rating Criteria	Initial	Mid	Mid	Final
	Competency and Nating Criteria	IIIItiai	Year 1	Year 2	Fillal
4.	 Maintains composure under pressure Examples of qualities and habits that the employee might exhibit include Uses critical thinking to determine the best options or outcomes when faced with a challenging situation Carries out assigned duties while under pressure Acts in a respectful, professional, and non-offensive manner while under pressure Applies stress management techniques to cope under pressure 	☐ 1 ☐ 2 ☐ 3			
5.	Demonstrates integrity Examples of qualities and habits that the employee might exhibit include Carries out responsibilities in an ethical, legal and confidential manner Responds to situations in a timely manner Takes personal responsibility to correct problems Models behaviors that demonstrate self-discipline, reliability, and dependability	□ 1 □ 2 □ 3	□ 1 □ 2 □ 3	☐ 1 ☐ 2 ☐ 3	□1 □2 □3
6.	Performs quality work Examples of qualities and habits that the employee might exhibit include Carries out written and verbal directions accurately Completes work efficiently and effectively Performs calculations accurately Conserves resources, supplies, and materials to minimize costs and environmental impact Uses equipment, technology, and work strategies to improve workflow Applies problem-solving strategies to improve productivity Adheres to worksite regulations and practices Maintains an organized work area	☐ 1 ☐ 2 ☐ 3			
7.	 Provides quality goods or services (internal and external) Examples of qualities and habits that the employee might exhibit include Shows support for the organizational goals and principles by own personal actions Displays a respectful and professional image to customers Displays an enthusiastic attitude and desire to take care of customer needs Seeks out ways to increase customer satisfaction Produces goods to workplace specifications 	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	□1 □2 □3
8.	 Shows initiative and self-direction Examples of qualities and habits that the employee might exhibit include Prioritizes and carries out responsibilities without being told Responds with enthusiasm and flexibility to handle tasks that need immediate attention Reflects on any unsatisfactory outcome as an opportunity to learn Improves personal performance by doing something different or differently Analyzes how own actions impact the overall organization Supports own action with sound reasoning and principles Balances personal activities to minimize interference with work responsibilities 	☐ 1 ☐ 2 ☐ 3			

Employability Skills		Rati	ing	
Competency and Rating Criteria	Initial	Mid Year 1	Mid Year 2	Final
 9. Adapts to change Examples of qualities and habits that the employee might exhibit include Shows flexibility and willingness to learn new skills for various job roles Uses problem-solving and critical-thinking skills to cope with changing circumstances Modifies own work behavior based on feedback, unsatisfactory outcomes, efficiency, and effectiveness Displays a "can do" attitude 	☐ 1 ☐ 2 ☐ 3		☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3
 10. Demonstrates safety and security regulations and practices Examples of qualities and habits that the employee might exhibit include Follows personal safety requirements Maintains a safe work environment Demonstrates professional role in an emergency Follows security procedures Maintains confidentiality 	□ 1	□ 1	□ 1	□ 1
	□ 2	□ 2	□ 2	□ 2
	□ 3	□ 3	□ 3	□ 3
 11. Applies job-related technology, information, and media Examples of qualities and habits that the employee might exhibit include Applies technology effectively in the workplace Assesses and evaluates information on the job Assesses training manuals, website, and other media related to the job 	☐ 1	☐ 1	☐ 1	☐ 1
	☐ 2	☐ 2	☐ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3
 12. Fulfills training or certification requirements for employment Examples of this requirement may include Participation in required career-related training and/or educational programs Passing certification tests to qualify for licensure and/or certification Participation in company training or orientation 	□ 1	□ 1	□ 1	□1
	□ 2	□ 2	□ 2	□2
	□ 3	□ 3	□ 3	□3
 13. Sets personal goals for improvement Examples of this requirement may include Setting goals that are specific and measurable Setting work-related goals that align with the organization's mission Identifying strategies to reach goals Reflecting on goal progress to regularly evaluate and modify goals 	□ 1	□ 1	□ 1	□1
	□ 2	□ 2	□ 2	□2
	□ 3	□ 3	□ 3	□3

OCCUPATIONAL COMPETENCIES (TO BE COMPLETED BY YA EMPLOYER/MENTOR)

Youth apprentices must earn a rating of at least "MEETS EXPECTATIONS" in each competency by the conclusion of the apprenticeship. Year 1: A total of 17 occupational competencies. (All 7 Manufacturing Fundamentals competencies with no substitution, plus a minimum of 10 Manufacturing Processes competencies.) Year 2: A total of 8 Manufacturing Processes competencies using a minimum of one different process than learned in Year 1. Employers may substitute one of the Manufacturing Processes competencies with another occupationally appropriate skill per year and should write in the competency they are adding. Where necessary, skills can be simulated. Youth must be evaluated on these competencies at least two times each year of their apprenticeship. More columns are included below for those who choose to conduct more frequent reviews.

Note: Students who completed a previous Manufacturing YA program do not need to repeat the Manufacturing Fundamentals Competencies.

	Manufacturing Fundamentals Occupational Competencies		Rati	ing	
			Evalua	ation	
		Minim	um Ratin	g of 2 for	EACH
	Competency and Rating Criteria		Check I	Rating	
		Initial	Mid	Mid	Final
		miciai	Year 1	Year 2	1
1.	Focus on customer needs	□ 1	□ 1	□ 1	
	 identify internal and external customers impacted by the production 	□ 2	□ 2	□ 2	□ 2
	process	_ 	_ 3	_ 3	_ 3
	 satisfy internal and external customer expectations 				
	collaborate with team				
	 assist work site professional to keep internal and/or external customers 				
	informed of project progress and decisions that may affect them				
	 define the impact of the Voice of the Customer 				
	 determine the impact of your work to the internal and external 				
	customer				
2.	Use various instruments	□ 1	□ 1	□ 1	
	 consider the degree of precision required by the part feature 	□ 2	□ 2	□ 2	□ 2
	 choose correct measuring instrument for task 	□ 3	□ 3		3
	 verify equipment is available for use and in working order 				
	 verify equipment preventative maintenance and/or calibration 				
	 inspect tools and work area for safety considerations 				
	 clean and adjust measuring instrument prior to use 				
	 use gauges, calipers, and micrometer instruments 				
	 use semi-precision and precision layout tools 				
	 use digital gauges, checking fixtures 				
	 use digital scales, thermometers 				
	confirm measurement accuracy				
	record measurement correctly including unit of measurement at proper				
	interval				
	 calibrate, clean, and store measuring instruments properly 				
	 convert standard to metric – metric to standard measurement units 				

Manufacturing Fundamentals Occupational Competencies		Rat	ing	
		Evalu		
	Minim		g of 2 for	EACH
Competency and Rating Criteria		Check		
	Initial	Mid Year 1	Mid Year 2	Final
3. Operate tools and equipment safely		Teal 1		□ 1
operate only tool/equipment that he/she is trained on				
choose correct tool/equipment for the task		<u> </u>	<u> </u> 2	
follow tool check list	3	∐3	∐3	□ 3
 verify tool/equipment is available for use and in working order 				
 verify tool/equipment is current for preventative maintenance and/or calibration 				
 wear appropriate Personal Protective Equipment (PPE) 				
 inspect tool/equipment and work area for safety considerations 				
 prepare tool/equipment for safe operation 				
operate tool/equipment safely with guarding devices				
 monitor tool/equipment for safe operation while operating 				
 compare tool/equipment performance regularly to optimal equipment operations 				
 follow facility procedures for clean-up and shut down after use 				
perform required preventative maintenance procedures				
report abnormal tool/equipment conditions				
properly shut down and label any tool/equipment that is not operating				
as expected				
 follow Lock Out/Tag Out procedures as applicable document use and maintenance 				
document use and maintenance				
4. Practice quality assurance principles	│	□1	□ 1	□1
 inspect materials/piece/product at all stages of production 		☐ -	☐ <u>-</u>	
 identify quality or condition of materials/piece/product 		□ -	□ -	□- □3
 monitor materials, processes, equipment, tools, and products 				
throughout the production process				
 inspect final product/piece to ensure it meets specifications 				
 identify and segregate materials and/or product that do not meet specification 				
 communicate with work site professional if materials/product do not meet requirements 				
document all quality checks				
 participate in root-cause analysis of process/product 				
take ownership of work				
collaborate with work site professional on corrective action				

	Manufacturing Fundamentals Occupational Competencies	Rating			
		Evaluation			EACH
	Competency and Rating Criteria	Minimum Rating of 2 for EACH Check Rating			EACH
	competency and nating enteria		Mid	Mid	
		Initial	Year 1	Year 2	Final
5.	Follow personal safety requirements (safety)	□ 1	<u></u> 1	<u> </u>	□ 1
	participate in required safety training follow all worksite guidelines for personal safety.	2	2	2	2
	 follow all worksite guidelines for personal safety apply principles of proper body mechanics 	□ 3	□ 3	□ 3	□ 3
	 report exposures, injuries, near misses, or accidents, personal or to 				
	others immediately				
	 locate key information on safety data sheets (SDS) 				
	 handle and dispose of any hazardous materials appropriately 				
	operate equipment that he/she is trained on				
	adhere to equipment safety standards				
	visually inspect equipment before operation				
	wear required personal protective equipment (PPE) at all times follow company emergency action plan				
	 follow company emergency action plan identify hazardous conditions and restricted areas in the workplace 				
	avoid pinch points				
	be aware of surroundings				
	G				
6.	Maintain a safe work environment (safety)	□ 1	□ 1	□ 1	□ 1
	 comply with posted safety warnings and symbols 	□ 2	□ 2	□ 2	□ 2
	 identify unsafe conditions and/or work habits 	□ 3	□3	□ 3	□3
	report unsafe conditions and/or work habits				
	 help maintain a clean and safe working environment free of debris and obstacles 				
	maintain clean, organized work area				
	 use hazardous materials according to company procedure 				
	 report any indications of insects or pests, if necessary 				
	follow appropriate Lock out – tag out procedures				
	 adhere to Occupational Safety and Health Administration (OSHA) safety guidelines 				
	• follow rules for operating equipment (Powered Industrial Vehicle-PIV)				
	• identify applicable Emergency Stops				
7.	Demonstrate professional role to be used in an emergency (safety)	□1	□1	□1	□ 1
	 participate in emergency safety simulations and drills 				
	 describe company's policy and procedures for work site incidents, 			□ 2	
	accidents, electrical, fire, tornado, bomb threats, robbery, hostage				
	situations, and other emergency situations				
	identify the closest fire alarms and emergency exits				
	identify the fire extinguishers				
	identify appropriate alarms and procedures for using alarms				
	contact emergency personnel in the event of an emergency contribute to emergency insident decumentation.				
	contribute to emergency incident documentation				
			l		

Manufacturing Fundamentals Occupational Competencies	Rating			
·	Evaluation			
	Minimum Rating of 2 for EACH Check Rating			EACH
Competency and Rating Criteria				
, ,		Mid	Mid	
	Initial	Year 1	Year 2	Final
Comments:				
Comments.				

MANUFACTURING PROCESSES OCCUPATIONAL COMPETENCIES (TO BE COMPLETED BY YA EMPLOYER/MENTOR)

Enter the Manufacturing Processes practiced by the Youth Apprentice. A minimum of 1 process is required for each year. Year 2 must be different than year 1. Multiple processes per year are acceptable.

Year 1 Manufacturing Processes	Year 2 Manufacturing Processes
Manufacturing Processes Examples	
1. Casting	5. Forming
Examples: Metal, Sand, Die, Plaster, Slush,	Examples: Forging, Open/Closed Die,
Static, Centrifugal, Continuous	Extrusion, Pressing, Punching, Blanking,
	Drawing, Piercing
2. Conditioning	6. Jointing/Combining
Examples: Heat Treating, Annealing,	Examples: Welding, Brazing, Soldering,
Hardening, Tempering	Sintering, Adhesive Bonding, Thermosetting,
	Fastening, Stitching, Stapling, Press-Fitting,
	Chemical
3. Filing	7. Molding
Examples: Aseptic, Bottling, Canning	Examples: Power Compaction, Sintering,
	Injection, Blow, Liquid Resin, Thermoforming,
	Extrusion, Foam, Vacuum Forming,
	Compression, Shrink Filing
4. Finishing	8. Separating
Examples: Barrel, Sanding, Deburring, Buffing,	Examples: Cutting, Sawing, Centrifuging,
Brushing, Polishing, Electropolishing, Chemical	Filtration, Pressing, Distillation, Evaporation,
Cleaning, Ultrasound Cleaning, Vapor	Fractionalization, Chemical
Degreasing, Painting, Coating, Dipping,	
Electroplating, Engraving, Plating	

- Working to Meet Expectations: Needs improvement; requires much assistance and supervision; rarely displays this behavior
 Meets Expectations: Meets entry-level criteria; requires some supervision; often displays this behavior
- **Exceeds Expectations:** Exceeds entry-level criteria; requires minimal supervision; consistently displays this behavior

	Occupational Competencies	Rating					
		Evaluation - Minimum Rating of			ting of		
	Competency and Bating Critaria	2 for EACH Check Rating					
	Competency and Rating Criteria	Initial	Mid Year 1	Mid Year 2	Final		
1	Read technical drawings and work orders		Year 1				
1.	-						
	review technical drawings gather reference materials	<u> </u>		□ 1			
	gather reference materials	□ 2	□ 2	∐ 2	_		
	determine type of print and views used	☐ 3	☐ 3	☐ 3	☐ 3		
	determine material specifications			 -			
	determine critical dimensions and tolerances	Year 2 Rating					
	analyze supplementary data	□ 1	□ 1	□ 1	□ 1		
	determine product/job instructions and specifications		<u> </u>	 □ 2	 2		
	interpret assembly/packaging symbols	□ - □ 3	□ - □ 3	□ 2	□3		
	follow assembly/packaging procedures			₃	3		
2.	Interpret manufacturing processes		Year 1	Rating			
	 interpret technical drawings for job task 	□ 1	□ 1	□ 1	□ 1		
	use appropriate terminology	□ 2	□ 2	□ 2	□ 2		
	• identify lines, views, symbols, and representations on the drawings	□3	□ 3	□3	□3		
	interpret dimensions, tolerances, and scale on the drawings		_				
	interpret threads, tapers, and shop notes on the drawings	Year 2 Rating					
	 interpret assembly and packaging plan from a technical drawing 	□ 1	□ 1	□ 1	□ 1		
		□2	□2	□2	□2		
		 3	 3	 3	_ 		
3.	Identify set up for manufacturing process		Year 1	Rating			
	 review technical drawings, work orders, and/or procedures 	□ 1	□ 1	□ 1	□ 1		
	plan process sequencing	_ 2	2	_ 2	_ 2		
	 identify tools and equipment needed for process 		□ 3	□-	□ 3		
	• identify set up						
	 verify correct set-up, production schedule, deadlines, and time frames 	e frames		ear 2 Rating			
		□ 1	□ 1	□ 1	□ 1		
		□ 2	□ 2	□ 2	□ 2		
		□ 3	□3	□ 3	□ 3		
4.	Select tools and materials		Year 1 Rating				
	select tools and production equipment for process	□ 1	□ 1	□ 1	□ 1		
	select appropriate work holding devices for work piece and equipment	☐ 2	□ 2	□ 2	□ 2		
	check raw materials needed against work order	☐ 3	☐ 3	☐ 3	☐ 3		
	verify raw materials meet specifications						
	gather all resources needed at the workstationnotify work site professional of discrepancies	Year 2 Rating					
	- Hothy work site professional of discrepancies		□ 1	□ 1			
		□ 2	□ 2	□ 2	□ 2		
		□ 3	□3	□ 3	□ 3		
_	Action and are an are						
5	Assist production set up	ĺ	Year 1	Katıng			

	Occupational Competencies	Rating			
		Evaluation - Minimum Rating of			
	Commenter on and Bating Criteria	2 for EACH Check Rating			ing
	Competency and Rating Criteria	la:4:al	Mid	Mid	Final
		Initial	Year 1	Year 2	Final
	assemble tools and production equipment	□1	□1	1	□1
	verify production equipment is available for use and in working order	 2	 □ 2		
	 verify production equipment is current for preventative maintenance 		□ 3	□ 2	
	and/or calibration	3	ات	3	🗆 🍮
	calculate control settings		Year 2	Pating	
	check equipment fluid, air, pressure levels				
	set production equipment parameters for the procedure			□ 1	
	secure work holding devices	□ 2	□ 2	∐ 2	<u> </u> 2
	stage pieces and raw materials for production	3	∐ 3	∐ 3	3
6.	Support set up		Year 1	Rating	
	 verify set up meets process requirements and product specifications 	□ 1	□ 1	<u> </u>	□ 1
	 examine first piece/product or production run for visual and/or 	_ 2	_ 2	_ 2	_ 2
	dimensional specification	 ☐3	□ 3	 ☐ 3	3
	adjust piece/product			•	
	 verify repeatability of set up 		Year 2	Rating	I
	document set up procedure	□1	□1	<u> </u>	1
		□ 2	□ 1	=	
				∐ 2 □ 2	
		∐ 3	∐ 3	∐ 3	3
7.	Operate equipment	Year 1 Rating			
	 wear required Personal Protective Equipment (PPE) 	□1	□1	<u> </u>	□ 1
	follow equipment safety procedures	□ -	□ 2	□ -	
	operate equipment according to machine requirements	□ ² □ 3		_	
	monitor equipment for correct operation	□ 3	∐3	∐ 3	🗆 3
	 notify work site professional of operating discrepancies 	Year 2 Rating			
		□1		<u> </u>	□ 1
		□ -	□ 2	□ -	
				_	
		∐3	∐ 3	∐ 3	
8.	Manitar and ust and process and disastions	Year 1 Rating			
٥.	 Monitor product and process specifications monitor product for specification 				
	 monitor product for specification monitor process and equipment performance 	∐1 □2		∐ 1	
	adjust process for quality and/or productivity	∐ 2	□ 2	∐ 2	<u> </u> 2
	 take corrective actions to resolve problems 	∐ 3	∐ 3	∐ 3	
	replenish processing materials				
	test product for function	Year 2 Rating			
	label products for compliance or non-compliance	□ 1	□ 1	□ 1	
	document quality control checks	□ 2	□ 2	☐ 2	□ 2
	verify pieces meet specifications	□ 3	□ 3	☐ 3	□ 3
	 notify worksite profession of discrepancies 				
9.			Year 1	Rating	<u> </u>

Occupational Competencies Rating			ing			
	Evaluation - Minimum Rating of		_			
Competency and Rating Criteria	2 for EACH Check Rating		ng			
competency and nating criteria	Initial	Mid	Mid	Final		
	iiiitiai	Year 1	Year 2	ı ıııaı		
 document processing data on items such as labor, quality, quantity, and 	□ 1	□ 1	□ 1	□ 1		
time	□ 2	□ 2	□ 2	□ 2		
 verify fabrication and production documentation is completed 	□ 3	□3	□3	□ 3		
 verify documentation is legible 	_	-	_			
verify documentation is complete	Year 2 Rating					
verify documentation is in appropriate format	□1		□1	□ 1		
verify documentation is stored or forwarded	□ 1		☐ 2	□ 1 □ 2		
 verify pieces are stored or staged 						
	□ 3	□ 3	3	∐3		
10. Follow shutdown process	Year 1 Rating					
review shutdown procedure						
	□ 1	□ 1	□1	□ 1		
stop production processverify all equipment is shut down safely	<u> </u>	<u> </u>	□ 2	□ 2		
 identify process or equipment maintenance concerns with the 	3	3	3	3		
production run						
report process or equipment maintenance concerns		Year 2	Rating			
report process or equipment maintenance conservs	□ 1	□ 1	□ 1	□ 1		
	□ 2	□ 2	□ 2	□ 2		
	Пз	□3	Пз	П3		
	_		_			
Competency Substitute (if you replaced a competency above, note the	Year 1 Rating					
competency and rating)	□ 1	□ 1	□1	□ 1		
	2	 2	 2	 2		
		 □3	 □3			
		Year 2				
	□ 1			□ 1		
	∐ 2 □ 2	_	_			
	□ 3	□ 3	□ 3	<u> </u>		
Comments:						

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