

### Products Finishing Top Shops 2021: Plating & Anodizing

Thank you for participating in the *Products Finishing* Top Shops Benchmarking Survey for plating and anodizing, which highlights the attributes shared by leading finishing operations. By fully completing this survey, you will receive a benchmarking report customized for your shop. This survey pertains to plating and anodizing, in particular. There is a separate survey for shops that perform liquid and powder coating. **Please proceed only if your shop does plating and/or anodizing.** 

To take advantage of the many benefits of participating in Top Shops, all you have to do is:

- **1. Fully complete the survey** for maximum value. It's in your best interest for benchmarking and scoring. It may take time to get some data it's worth it. You may have reservations about answering certain questions. Don't worry, all responses will remain confidential.
- 2. Provide your email address to receive a report customized for your shop, showing where your shop is strong, on track, and has opportunities.
- **3. Enter your contact info** and submit your completed survey by **April 30, 2021**, for a chance to be profiled in an upcoming issue of *Products Finishing*.
- **4. Select 'Submit Responses'** on the final page once you do not intend to return to the survey again. If you get interrupted while completing the survey, you may close and return to it using the same device as many times as you like until you select 'Submit Responses.'

Note this is the first time *Products Finishing's* Top Shops benchmarking survey can be completed one time, any time throughout the current year. That means if, for example, your accounting data are not available until March, no problem. You may complete the survey in April. The sooner you complete it, though, the sooner you'll be able to act on the results.

Please note, if you want your shop to be considered for a Top Shops profile article in *Products Finishing* later in the year, you must submit your completed survey **by April 30, 2021**.

<u>Click here</u> to download a PDF of the survey if you want to review questions before answering them online. If you want to keep a record of your responses, we suggest you print a copy of each page with your responses before selecting 'next' to advance to the next page/question.

If you have questions, please contact Jan Schafer, Director of Market Research, Gardner Intelligence, at jschafer@gardnerweb.com.

* 1. Which types of finishing does your shop offer on your premises?	Select ALL that apply.
Plating	,,,,
Anodizing	
Other	
No finishing offered	



## Company & Contact Information

2. Please provide the	following information to receive your report and for us to contact Top Shops.
Your Name:	
Job Title/Position:	
Company Name:	
Address:	
City/Town:	
State/Province:	
ZIP/Postal Code:	
Country:	
Company website:	
Company Phone Number:	
3. Please provide the	email address to which you want your custom report sent:
4. Who is your top cor	mpany official?
Top Official's Name:	
Top Official's Title:	
Top Official's Email:	



### Before we get started...

Most questions refer to 'your shop,' and here's how we'd like you to think about it...

If your company has more than one location, please answer all survey questions in terms of the scope for which you have the most access to operations and performance data. In some cases, that is multiple locations combined. In other cases, it is just one location.

If you have equal access to data for more than one location, please answer the survey based on the one location that is most representative, or considered most typical, of your business overall.

If you are a captive shop, answer survey questions in the terms your shop uses to report metrics to the broader company. You may have different considerations or use tweaked formulas, but you should be able to provide the information requested.

Most important is that you be consistent throughout the survey as far as the location(s) to which your responses apply.

Please also note that questions pertain to 2020 unless indicated otherwise.



Shop Profile
5. Which category best describes your business' relation to its customer base? Select ONE only.
Captive shop (component of a larger company)
Contract shop (independent shop with 50% or more contract work)
Job shop (independent shop with less than 50% contract work)
6. Which of the following best describes your shop's business? Select ONE only.
High mix/low volume
High mix/high volume
Low mix/low volume
Low mix/high volume
7. Which statement best describes your shop's pricing strategy relative to competition? Select ONE only.
Among the highest priced
Higher priced than average, but not among the highest
Priced about average
Lower priced than average, but not among the lowest
Among the lowest priced
8. Which of the following, if any, describe your shop's ownership? Select ALL that apply.
Family owned
Minority owned
Veteran owned
Woman owned
None of these



Shop Profile	
Please read the instructions at each question for the accepted format for responses. If you receive an error message correct, your value is likely an exception outside of the reasonable range, and won't be accepted.	and your format is
9. As of the end of 2020, about how many years will your shop have been in business?  Please round to the nearest whole number.	
10. What is the <b>total square footage</b> of your entire building? Enter your best estimate if you do	o not have the
measurements handy.  Please enter a whole number only; no decimals, commas or other symbols.	
. Todae erici a imale namber erily, ne decimale, commae er earer symbols.	
11. About how many total parts did your shop finish in 2020?  Please enter a whole number only; no decimals, commas or other symbols.	
12. About how many different <b>types of parts/SKU's</b> did your shop finish in 2020?	
Please enter a whole number only; no decimals, commas or other symbols.	
13. Switching gears a bit and now thinking about your shop's finishing lines, <b>how many lines</b> of the production in 20202	of each type
were in production in 2020?  Please enter whole numbers only; no decimals, commas or other symbols.	
Plating	
rialing	
Anodizing	



Shop Profile	
14. Which of the following industries does your sho	p typically serve? Select ALL that apply.
Aerospace	Hardware/tools
Agriculture/construction equipment	Machinery/industrial
Appliances	Medical
Automotive	Military/government
Architectural construction	Oil & gas mining
Electronics, computers	Power generation (turbines, batteries)
Fasteners	Pumps, valves & plumbing
Firearms & ammunition	Wire goods/pipes
Furniture manufacturing	
Other (please specify)	



Shop Profile				
	of the industries served do Select up to 5.	you typically consider	THE PRIMARY contr	ibutors to your shop's

Aerospace	Hardware/tools
Agriculture/construction equipment	Machinery/industrial
Appliances	Medical
Automotive	Military/government
Architectural construction	Oil & gas mining
Electronics, computers	Power generation (turbines, batteries)
Fasteners	Pumps, valves & plumbing
Firearms & ammunition	Wire goods/pipes
Furniture manufacturing	[Insert text from Other]



Shop Profile	
16. Which <b>certifications</b> , if any, does your finishing sho	p have currently? Select ALL that apply.
ISO 9001:2015	AS9100D
ISO 13485:2016	Nadcap
ISO 16949:2016	None of these
17. Which of the following applied to your shop in 2020?	? Select ALL that apply.
ITAR registered	FFL (Federal Firearms License)
RoHS compliant	ELV compliant
FDA registered	WEEE compliant
Conflict Materials Disclosure	None of these
CMMC (Cybersecurity Maturity Model Certification)	
18. Of which <b>trade associations</b> was your shop a mem Aluminum Anodizers Council (AAC) National Association for Surface Finishers (NASF) Not a member of these trade associations Other (please specify)	nber in 2020? Select ALL that apply.



Which approvals did your finishing shop hold in 2020? Select ALL that apply.  Aerojet GM MOOG  Airbus Goddard Space Flight (NASA) Motorola  BAE Systems Honda Nissan  Bell Honeywell Northrop Grumman  BMW Hyundai Raytheon  Boeing IBM Rolls Royce Corp.  Caterpillar John Deere Sikorsky Aircraft  Cessna Aircraft Kia Subaru  Chrysler Lockheed Martin Tacom  Eaton Aerospace Lycoming/Textron Tesla  Ford Martin Marietta Toyota  GE MD Helicopters United Technologies  General Dynamics Mercury Marine None of these	Aerojet GM MOOG Airbus Goddard Space Flight (NASA) Motorola  BAE Systems Honda Nissan  Bell Honeywell Northrop Grumman  BMW Hyundai Raytheon  Boeing IBM Rolls Royce Corp.  Caterpillar John Deere Sikorsky Aircraft  Cessna Aircraft Kia Subaru  Chrysler Lockheed Martin Tacom  Eaton Aerospace Lycoming/Textron Tesla  Ford Martin Marietta Toyota  GE MD Helicopters United Technologies  General Dynamics Mercury Marine None of these	Profile Which <b>approvals</b> did your fi	nishing shop hold in 20202 Salect ALL	L that apply
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Boeing   IBM   Rolls Royce Corp.  Caterpillar   John Deere   Sikorsky Aircraft   Cessna Aircraft   Kia   Subaru   Chrysler   Lockheed Martin   Tacom   Eaton Aerospace   Lycoming/Textron   Tesla   Ford   Martin Marietta   Toyota   GE   MD Helicopters   United Technologies   General Dynamics   Mercury Marine   None of these	Boeing   IBM   Rolls Royce Corp.  Caterpillar   John Deere   Sikorsky Aircraft   Cessna Aircraft   Kia   Subaru   Chrysler   Lockheed Martin   Tacom   Eaton Aerospace   Lycoming/Textron   Tesla   Ford   Martin Marietta   Toyota   GE   MD Helicopters   United Technologies   General Dynamics   Mercury Marine   None of these	Bell	Honeywell	Northrop Grumman
Caterpillar       John Deere       Sikorsky Aircraft         Cessna Aircraft       Kia       Subaru         Chrysler       Lockheed Martin       Tacom         Eaton Aerospace       Lycoming/Textron       Tesla         Ford       Martin Marietta       Toyota         GE       MD Helicopters       United Technologies         General Dynamics       Mercury Marine       None of these	Caterpillar       John Deere       Sikorsky Aircraft         Cessna Aircraft       Kia       Subaru         Chrysler       Lockheed Martin       Tacom         Eaton Aerospace       Lycoming/Textron       Tesla         Ford       Martin Marietta       Toyota         GE       MD Helicopters       United Technologies         General Dynamics       Mercury Marine       None of these	BMW	Hyundai	Raytheon
Cessna Aircraft       Kia       Subaru         Chrysler       Lockheed Martin       Tacom         Eaton Aerospace       Lycoming/Textron       Tesla         Ford       Martin Marietta       Toyota         GE       MD Helicopters       United Technologies         General Dynamics       Mercury Marine       None of these	Cessna Aircraft  Kia  Subaru  Chrysler  Lockheed Martin  Tacom  Eaton Aerospace  Lycoming/Textron  Tesla  Ford  Martin Marietta  Toyota  GE  MD Helicopters  United Technologies	Boeing	IBM	Rolls Royce Corp.
Chrysler Lockheed Martin Tacom  Eaton Aerospace Lycoming/Textron Tesla  Ford Martin Marietta Toyota  GE MD Helicopters United Technologies  General Dynamics Mercury Marine None of these	Chrysler	Caterpillar	John Deere	Sikorsky Aircraft
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General Dynamics Mercury Marine None of these	General Dynamics Mercury Marine None of these	Ford	Martin Marietta	Toyota
		GE	MD Helicopters	United Technologies
er (please specify)	er (please specify)	General Dynamics	Mercury Marine	None of these
		er (please specify)		



This section of the survey includes questions pertaining to product quality, shop efficiency, and practices directly involved in finishing processes.

20. Which of the following practices and improvement n Select ALL that apply.	nethodologies did your business utilize in 2020?
5S workplace organization	Overall Equipment Effectiveness (OEE)
Agile manufacturing	Poka yoke (error prevention)
Benchmarking	Quality certs (i.e. ISO, NADCAP, etc.)
Cellular manufacturing	Six Sigma
Continuous improvement program	Theory of constraints
Customer surveys	Total productive maintenance
Just-in-time movement of materials	Total quality management
Kaizen events/blitzes	Value-stream mapping
Kanban and pull systems	None of these



Please read the instructions at each question for the accepted format for responses. If you receive an error message and your format is correct, your value is likely an exception outside of the reasonable range, and won't be accepted.

21. What was your shop's <b>order lead time</b> in 2020, defined as the average number of days from receipt of order to delivery to customer?  Example: For 6 days, you would enter 6. For 6 1/2 days, you would enter 6.5.
22. What was your shop's <b>on-time delivery rate</b> in 2020, defined as the percentage of goods delivered on the
timing committed? Enter your number without a % sign.
Example: For 80%, you would enter 80 without a decimal or % sign. For 80.5%, you would enter 80.5 without
the %.
23. What was your shop's finished product first-pass quality yield in 2020, defined as the percentage of
products passing inspection on the first attempt; i.e. no re-work was required? Enter your number without a %
sign.
Example: For 80%, you would enter 80 without a decimal or % sign. For 80.5%, you would enter 80.5 without the %.
24. What was your shop's finishing usage in 2020, defined as the average number of hours finishing
equipment is in production in a 24 hour day? Your answer should be between 1 and 24.
Example: For 8 hours, you would enter 8. For 8 1/2 hours, you would enter 8.5.



25. Please provide your shops capacity utilization for 2020.

There is no single formula that fits how every shop figures **capacity utilization**. For this question, think about what you consider to be at full capacity for your shop. Then enter as a percentage the degree to which your shop's total capacity was typically in use in 2020.

Example: if 85% of your shop's total capacity was typically in use in 2020, meaning you typically had 15% capacity to spare, you would enter 85 for capacity utilization. You may enter decimals but no other signs or symbols.

26. Please estimate the average	number of labor-hours your shop as a whole spent in total each week or
each of the following tasks in 202	0.
Please round to the nearest whol	e number. Enter '0' if your shop does not perform the task.
Environmental management	

Environmental management	
Parts Inspection	
Analytical testing	
Hazardous waste management	
Training	

27. Please select the rating that best describes your 2020 business practice in each of the areas listed below. Select ONE rating for EACH row.			
	<u>Do not have</u> written procedures	Have written procedures, but need updating	Have written procedures, and they are <u>current</u>
Plating/finishing procedures	$\bigcirc$		
Bath quality/performance	$\bigcirc$		
Preventative maintenance	$\bigcirc$		
Waste treatment equipment operation/maintenance		$\bigcirc$	$\bigcirc$
Hazardous waste management	$\bigcirc$		
Hazardous material handling/spill response			



28. Please select the rating that best describes your shop's 2020 business practice in each of the areas listed below.

Select ONE rating for EACH row.

	<u>No</u> records are kept	Records are kept, <u>but not</u> <u>analyzed</u>	Records are kept <u>and</u> <u>analyzed</u>
Bath chemistry (analytical)			
Bath chemical additions			
Bath temperature			
Rectifier use			
Preventative maintenance logs			
City water chemistry (e.g. hardness)			
Electricity use			
Treatment sludge generation			$\bigcirc$
Waste treatment chemical reagent use			
Water use		$\bigcirc$	$\circ$



Finishing Practices & Technolo	ogy	
29. Which of the following finis	hing processes did your shop perfor	m in 2020? Select ALL that apply.
Anodizing, Hardcoat	Anodizing, Chromic Acid	Rhodium
Anodizing, Sulfuric	Copper	Silver
Black Chrome	Gold	Tin
Blackening/Antiquing	Nickel, Chrome	Tin-Lead
Black Nickel	Nickel, Decorative	Tin-Nickel
Black Oxide	Nickel, Electroless	Zinc
Brass	Nickel, Industrial	Zinc/Cobalt
Bronze	Passivation	Zinc/Iron
Bronze, White	Phosphating	Zinc/Nickel
Cadmium	Anodizing, Phosphoric Acid	Zinc/Tin
Chromate	Pickling	None of these
Chrome, Decorative	Plating on Plastic	
Chrome, Hard	PVD	



Anodizing, Hardcoat	Chrome, Hard	Plating on Plastic
Anodizing, Sulfuric	Anodizing, Chromic Acid	PVD
Black Chrome	Copper	Rhodium
Blackening/Antiquing	Gold	Silver
Black Nickel	Nickel, Chrome	Tin
Black Oxide	Nickel, Decorative	Tin-Lead
Brass	Nickel, Electroless	Tin-Nickel
Bronze	Nickel, Industrial	Zinc
Bronze, White	Passivation	Zinc/Cobalt
Cadmium	Phosphating	Zinc/Iron
Chromate	Anodizing, Phosphoric Acid	Zinc/Nickel
Chrome, Decorative	Pickling	Zinc/Tin



Finishing Practices & Technology	
31. Which additional types of finishing pr	ocesses did your shop perform in 2020? Select ALL that apply.
Abrasive blasting	Mechanical plating
Brush plating	Polishing or buffing
Chemical milling	Powder coating
Electrocoating	Printed circuit boards
Electroforming	Solid film lubricants
Electropolishing	Spray painting
Etching	PVD
Lacquering	None of these
Mass finishing	



Finishing Practices & Technology	
32. Which types of <b>inspection</b> processes did your sh	op perform in 2020? Select ALL that apply.
Abrasion testing	Porosity testing
Adhesion testing	Quench testing
Analytical chemistry	Salt spray
Atomic absorption analysis	Scanning electron microscope
Coating weight thickness testing	Solderability testing
Continuity testing	Solution analysis
Copper sulfate testing	Stress relief
Eddy current testing	Water immersion
Hardness testing	X-ray thickness testing
Humidity testing	XRF reading
Hydrogen embrittlement	None of these
Plating thickness	
33. Which types of <b>automation</b> did your shop use in 2	2020? Select ALL that apply.
Automated process lines	
Process tank sensors	
Track product quality and defects	
Process monitoring	
None of these	



Aqueous – cold cleaning	Aqueous – zinc phosphate
Aqueous – iron phosphate	Blasting/Mechanical/Vibratory
Aqueous – membrane	Solvent – vacuum
Aqueous – nano technology	Solvent – vapor
Aqueous – soak (rack or barrel)	Solvent – wipe
Aqueous – spray (cabinet or helical screw)	Other
Aqueous – ultrasonic	None
. Which types of <b>racking</b> did your shop use	e in 2020? Select ALL that apply.
Hook	Other
Custom - built in-house	None
Custom - outsourced	
. Which <b>stripping</b> practices did your shop  Burn off – oven	use in 2020? Select ALL that apply.  Water blast
Chemical stripping	Other
Fluidized sand stripping	None
Grinding	
. Which <b>curing</b> methods did your shop use	e in 2020? Select ALL that apply.
_	Natural gas heat
Convection	
Convection  Electric heat	Other



Finishing Practices	& Technology				
38. About how often d	lid your shop <b>calib</b> ı	rate equipment	in 2020? Select O	NE per row.	
	Weekly or more	Monthly	Quarterly	Every 6 months	Once
Gauges					
Inspection					
Ovens					
39. Please indicate ho row.		Built in-house	Purchased		Do not have this software
Order management					
Preventative maintenance	е	$\bigcirc$			$\bigcirc$
Quality assurance					
40. Did your shop have onsite an <b>environmental room</b> with temperature and humidity control in 2020?  Yes  No					



## **Business Strategy**

The next section of the survey includes questions pertaining to financial, operational and customer information. Be assured that all responses will remain confidential.

In addition to these metrics being useful in benchmarking and scoring, *Products Finishing* is taking Top Shops analysis to the next level by identifying key drivers of revenue and profit to help you establish priorities. These analyses depend on having large base sizes. Please answers all questions so we can deliver actionable insights back to you.

Please read the instructions at each question for the accepted format for responses. If you receive an error message and your format is correct, your value is likely an exception outside of the reasonable range, and won't be accepted.



Duning and Christians
Business Strategy
41. Please provide your shop's 2020 gross sales per finishing line in US dollars.  Example: If your gross sales were \$5000 and you have 2 lines, you would enter 2500. Please round to the nearest whole number and enter without any signs or symbols.
42. Please provide your shop's 2020 gross sales per employee in US dollars.  Example: If your gross sales were \$5000 and you have 20 employees, you would enter 250. Please round to the nearest whole number and enter without any signs or symbols.
43. Were any <b>capital investments</b> made in equipment for your shop in 2020? <i>Select ONE only.</i> Yes
No Not sure
Not sure



Business Strategy
44. Please provide your shop's 2020 capital equipment expenditure as a percentage of gross sales. Round to the nearest whole number and enter without a % sign.  Formula = [(2020 cap equip exp / 2020 gross sales) * 100]  Example: if your capital equipment expenditure was \$500 and your gross sales were \$5000, you would enter 10.
45. Please provide your shop's <b>percent change in annual sales</b> from 2019 to 2020 using the following formula. Round to the nearest whole number, using a minus sign if necessary.  Formula = [(2020 gross sales - 2019 gross sales) / 2019 gross sales] * 100  Example: if your 2020 sales were \$5000 and your 2019 sales were \$4000, you would enter 25.
46. Please provide your shop's 2020 <b>overall profit margin percentage</b> , defined as your shop's <u>net income</u> (after tax) relative to gross sales, rounded to the nearest whole number. Include a minus sign if your number is negative.  Formula = [(2020 net income / 2020 gross sales) * 100]  Example: If your 2020 net income was negative \$300 and your gross sales were \$5000, you would enter -6.
47. Please provide your shop's 2020 <b>ROA</b> , defined as your shop's <u>net income</u> (after tax) relative to total <u>assets</u> , rounded to the nearest whole number. Include a minus sign if your number is negative.  Formula = [(2020 net income / 2020 total assets) * 100]  Example: If your 2020 net income was negative \$300 and your total assets were \$5000, you would enter -6.



Business Strategy			
48. Please provide your shop's <b>total revenue</b> for 2020 in US dollars. Providing your shop's revenue confidentially enables us to perform useful calculations on your behalf.  Round to the nearest whole number and enter without any signs or symbols.			
•	of your shop's 2020 total revenue <u>came from each type of finishing</u> ?		
100.	rcentage to a whole number and enter without a % sign. Your percentages must sum to		
% Functional			
% Decorative			
50. Does your shop Own Lease Both	o own or lease its manufacturing facility?		



isiness Strategy	
51. Which of the following supply chain practices did	d your shop use in 2020? Select ALL that apply.
Certification of major suppliers	Just-in-time deliveries to customers
Collaborative design with customers	Utilizing customer forecasts
Collaborative design with suppliers	Vendor-managed or -owned inventories
Customer satisfaction surveys	Vendor-managed or -owned inventories for customers
Just-in-time deliveries from suppliers	None of these
52. Which of the following marketing tools did your b	usiness use in 2020? Select ALL that apply.
Blogs	Print advertising (i.e. magazines)
Brochures/catalogs	Sales personnel
Customer tours of shop	Social media (Facebook, Twitter, LinkedIn)
Email promotions	Trade shows/events
Online - advertising	YouTube
Online - company website	None of these
53. Below are business practices that your shop may have been in place at your shop in 2020.	or may not apply. Please select all that you conside
, ,	
Regularly scheduled, formal review of the state of the business	Regularly scheduled management/department head meetings
business	meetings



Business Strategy		
54. How many <b>active customers</b> did your business have in 2020?		
55. What was your <b>customer retention rate</b> for 2020? This is the number of customers in 2020 who were also customers in 2019, as a percentage of your 2019 total customer base. Enter your number without a %		
sign.  Example: If you had 50 customers in 2020 who were also customers in 2019, and a total of 60 customers in 2019, your customer retention rate would be 83%, and you would enter 83. You may enter decimals but no other signs or symbols.		
56. What percentage of <b>new business quoted in 2020 was actually booked</b> ? Enter your number without a % sign.  Example: if you quoted 80 new jobs in 2020 and booked 40, you would enter 50. You may enter decimals but		
no other signs or symbols.		
57. How much did your shop spend, in US dollars, on <b>materials</b> for each of these processes in 2020? Please enter numbers only, rounding to the nearest whole number; decimals, symbols and words are not accepted.		
Plating		
Anodizing		



## **Business Strategy**

58. How much do you <u>estimate</u> your shop will spend, in USD, to make purchases in these categories <u>in 2021</u>? Enter '0' if you expect to make no investment in a category in 2020. Please enter numbers only, rounding to the nearest whole number; decimals, symbols and words are not accepted.

Automated or Manual Plating Line
Data Taulas I in an
Poly Tanks/Liners
Steel Tanks/Liners
Racking
Barrels/Baskets
Auxiliary equipment (pumps, ovens, power supplies, etc.)
etc.)
Plating chemistries
Pretreatment processes
Other



Business Strategy		
59. What coating or services would y	ou like to add to your shop in 2021?	Select ALL that apply.
Anodizing, Hardcoat	Chrome, Hard	Plating on Plastic
Anodizing, Sulfuric	Anodizing, Chromic Acid	PVD
Black Chrome	Copper	Rhodium
Blackening/Antiquing	Gold	Silver
Black Nickel	Nickel, Chrome	Tin
Black Oxide	Nickel, Decorative	Tin-Lead
Brass	Nickel, Electroless	Tin-Nickel
Bronze	Nickel, Industrial	Zinc
Bronze, White	Passivation	Zinc/Cobalt
Cadmium	Phosphating	Zinc/Iron
Chromate	Anodizing, Phosphoric Acid	Zinc/Nickel
Chrome, Decorative	Pickling	Zinc/Tin



Training & Human Resources
60. How many <b>total people</b> did your shop employ in 2020 at the location(s) your answers pertain to?
61. How many employees at this location were <b>shop floor employees</b> in 2020?
62. How many employees at this location were <b>Certified Electroplater Finishers</b> (CEF) in 2020?



Training & Human Resources
63. Thinking of the total number of employees at this location, do you plan to increase, decrease, or keep the same number of employees in 2021? Select ONE only.
Increase
Decrease
Keep the same
64. What was your shop's <b>annual labor turnover rate of shop floor employees</b> in 2020? This is the number of voluntary plus involuntary separations of shop floor employees as a percentage of the usual total number of shop floor employees. Enter your number between 0 and 100 without a % sign. <i>You may enter decimals but no other signs or symbols.</i>
Example: If 6 shop floor employees left in 2020 and your usual shop floor staff totals 30, you would enter 20.
65. Did your shop have any accident incidents in 2020? Select ONE only.
Yes
○ No
Not Sure



## Training & Human Resources

66. What was your shop's <b>annual accident incident rate for shop floor employees</b> in 2020? This is the number of shop floor accident incidents as a percentage of the typical number of shop floor staff. Enter your number between 0 and 100 without a % sign.
You may enter decimals but no other signs or symbols.
Example: if you had 2 accident incidents in 2020 and your shop floor staff typically totals 30, you would enter
6.67.
67. Which of the following designated safety roles did your shop have in place in 2020?
Safety manager
Safety committee
Neither of these
68. What was your shop's insurance <b>Experience Modification Rate</b> (EMR) for 2020?
You may enter decimals but no other signs or symbols.



# **Training & Human Resources** 69. What was the average hourly wage rate in US dollars for hourly paid, non-management shop floor personnel in 2020 excluding overtime? Please enter a number. You may enter decimals but no other signs or symbols. 70. Which human resource practices/programs did your business use in 2020? Select ALL that apply. 401(k) plan Formal safety/health program Annual review and raise program Leader/supervisor development Apprenticeship program Paid medical benefits Bonus plan Profit- or revenue-sharing plan **Education reimbursements** Teaming/team-building practices None of these Employee ownership options Formal employee training programs 71. Were any of your shop's employees part of a union in 2020? Yes No



### Almost finished!

This is the final page of the survey. Please double-check your responses for accuracy and completeness before you continue.

You may close and return to the survey on this device to make changes as many times as you like until you click **Submit Responses**. Once you click **Submit Responses** on this page, you will be taken to the *Products Finishing* website. Your survey will be locked and submitted and you will not be able to change any of your answers.