



TORO Analysis of Inspectors, Testers, Sorters, Samplers, and Weighers to Order Fillers, Wholesale and Retail Sales

INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Inspectors, Testers, Sorters, Samplers, and Weighers	51-9061.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Order Fillers, Wholesale and Retail Sales	43-5081.04	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:				85			
Ability TORQ		Skills TORQ		Knowledge TORQ			
Level	88	Level	87	Level 82			
Gaps To Narrow if Possible		Upgrade These Skills		Knowledge to Add			
Ability	Level	Gap	Impt	Knowledge	Level	Gap	Impt
No Critical Gaps Recorded!		No Skills Upgrade Required!		No Knowledge Upgrades Required!			

LEVEL and IMPT (IMPORTANCE) refer to the Target Order Fillers, Wholesale and Retail Sales. GAP refers to level difference between Inspectors, Testers, Sorters, Samplers, and Weighers and Order Fillers, Wholesale and Retail Sales.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50			
Description	Inspectors, Testers, Sorters, Samplers, and Weighers	Order Fillers, Wholesale and Retail Sales	Importance
Written Comprehension	50	42	56
Near Vision	50	46	53
Oral Comprehension	53	46	50
Information Ordering	42	35	50
Skill Level Comparison - Abilities with importance scores over 69			
Description	Inspectors, Testers, Sorters, Samplers, and Weighers	Order Fillers, Wholesale and Retail Sales	Importance
Knowledge Level Comparison - Knowledge with importance scores over 69			
Description	Inspectors, Testers, Sorters, Samplers, and Weighers	Order Fillers, Wholesale and Retail Sales	Importance



Experience & Education Comparison

Related Work Experience Comparison			Required Education Level Comparison		
Description	Inspectors, Testers, Sorters, Samplers, and Weighers	Order Fillers, Wholesale and Retail Sales	Description	Inspectors, Testers, Sorters, Samplers, and Weighers	Order Fillers, Wholesale and Retail Sales
10+ years	3%	0%	Doctoral	0%	0%
8-10 years	0%	0%	Professional Degree	0%	0%
6-8 years	0%	0%	Post-Masters Cert	0%	0%
4-6 years	12%	1%	Master's Degree	0%	0%
2-4 years	1%	0%	Post-Bachelor Cert	0%	0%
1-2 years	14%	7%	Bachelors	0%	0%
6-12 months	23%	12%	AA or Equiv	3%	9%
3-6 months	3%	6%	Some College	5%	8%
1-3 months	6%	2%	Post-Secondary Certificate	22%	0%
0-1 month	10%	2%	High School Diploma or GED	61%	24%
None	24%	66%	No HSD or GED	7%	56%

Inspectors, Testers, Sorters, Samplers, and Weighers

Order Fillers, Wholesale and Retail Sales

Most Common Educational/Training Requirement:

Moderate-term on-the-job training

Short-term on-the-job training

Job Zone Comparison

2 - Job Zone Two: Some Preparation Needed
 Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.
 These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.
 Employees in these occupations need anywhere from a few months to one year of working with experienced employees.

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Tasks

Inspectors, Testers, Sorters, Samplers, and Weighers

Order Fillers, Wholesale and Retail Sales

Core Tasks

Core Tasks

Generalized Work Activities:

- Documenting/Recording Information - Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Monitor Processes, Materials, or Surroundings - Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.

Generalized Work Activities:

- Communicating with Supervisors, Peers, or Subordinates - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
- Coordinating the Work and Activities of Others- Getting members of a group to work together to accomplish tasks.
- Establishing and Maintaining Interpersonal Relationships - Developing constructive and cooperative working relationships with others, and maintaining



- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Communicating with Supervisors, Peers, or Subordinates - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.

Specific Tasks

Occupation Specific Tasks:

- Adjust, clean, or repair products or processing equipment to correct defects found during inspections.
- Administer tests to engineers and operators to assess whether they are qualified to use equipment.
- Analyze and interpret blueprints, data, manuals, and other materials to determine specifications, inspection and testing procedures, adjustment and certification methods, formulas, and measuring instruments required.
- Analyze test data and make computations as necessary to determine test results.
- Check arriving materials to ensure that they match purchase orders and submit discrepancy reports when problems are found.
- Clean, maintain, repair, and calibrate measuring instruments and test equipment such as dial indicators, fixed gauges, and height gauges.
- Collect or select samples for testing or for use as models.
- Compare colors, shapes, textures, or grades of products or materials with color charts, templates, or samples to verify conformance to standards.
- Compute defect percentages or averages, using formulas and calculators, and prepare reports of inspection or test findings.
- Compute usable amounts of items in shipments and determine prices, based on quantities and grade assessments.
- Disassemble defective parts and components, such as inaccurate or worn gauges and measuring instruments, using hand tools.
- Discard or reject products, materials, and equipment not meeting specifications.
- Discuss inspection results with those responsible for products, and recommend necessary corrective actions.
- Fabricate, install, position, or connect components, parts, finished products, or instruments for testing or operational purposes.
- Grade, classify, and sort products according to sizes, weights, colors, or

them over time.

- Organizing, Planning, and Prioritizing Work - Developing specific goals and plans to prioritize, organize, and accomplish your work.
- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.

Specific Tasks

Occupation Specific Tasks:

- Change the price of books in a warehouse.
- Compare printed price tickets with entries on purchase orders to verify accuracy and notify supervisor of discrepancies.
- Indicate item size, style, color, and inspection results on tags, tickets, and labels, using rubber stamp or writing instrument.
- Keep records of production, returned goods, and related transactions.
- Mark selling price by hand on boxes containing merchandise.
- Pin, paste, sew, tie, or staple tickets, tags, or labels to article.
- Put price information on tickets, marking by hand or using ticket-printing machine.
- Record number and types of articles marked and pack articles in boxes.
- Record price, buyer, and grade of product on tickets attached to products auctioned.

Detailed Tasks

Detailed Work Activities:

- attach or mark identification onto products or containers
- complete record of production
- fill out business or government forms
- maintain records, reports, or files
- manage inventories or supplies
- measure, weigh, or count products or materials
- package goods for shipment or storage
- perform clerical duties including typing, accepting orders, or sorting mail
- price merchandise
- process returned merchandise
- retrieve or place goods from/into storage
- stock or organize goods
- use computers to enter, access or retrieve data
- use inventory control procedures
- use oral or written communication techniques
- verify completeness or accuracy of data



according to sizes, weights, colors, or other specifications.

- Inspect, test, or measure materials, products, installations, and work for conformance to specifications.
- Interpret legal requirements, provide safety information, and recommend compliance procedures to contractors, craft workers, engineers, and property owners.
- Make minor adjustments to equipment, such as turning setscrews to calibrate instruments to required tolerances.
- Mark items with details such as grade and acceptance or rejection status.
- Measure dimensions of products to verify conformance to specifications, using measuring instruments such as rulers, calipers, gauges, or micrometers.
- Notify supervisors and other personnel of production problems, and assist in identifying and correcting these problems.
- Observe and monitor production operations and equipment to ensure conformance to specifications and make or order necessary process or assembly adjustments.
- Position products, components, or parts for testing, or direct other workers to position them.
- Read dials and meters to verify that equipment is functioning at specified levels.
- Record inspection or test data, such as weights, temperatures, grades, or moisture content, and quantities inspected or graded.
- Remove defects, such as chips and burrs, and lap corroded or pitted surfaces.
- Set controls, start and monitor machines that automatically measure, sort, or inspect products.
- Stack and arrange tested products for further processing, shipping, or packaging and transport products to other work stations as necessary.
- Supervise testing or drilling activities.
- Weigh materials, products, containers, or samples to verify packaging weights and ingredient quantities, or to determine sorting.
- Write test and inspection reports describing results, recommendations, and needed repairs.

Detailed Tasks

Detailed Work Activities:

- adjust production equipment/machinery setup
- attach or mark identification onto products or containers
- collect samples for testing

Technology - Examples



- communicate technical information
- compare findings with specifications to ensure conformance to standards
- compute product or materials test results
- conduct performance testing
- confer with vendors
- determine specifications
- determine specifications or testing procedures
- direct and coordinate activities of workers or staff
- distinguish colors
- evaluate material specifications
- examine products or work to verify conformance to specifications
- fabricate, assemble, or disassemble manufactured products by hand
- follow manufacturing methods or techniques
- follow statistical process control procedures
- grade, classify, or sort products according to specifications
- inspect manufactured products or materials
- install/connect electrical equipment to power circuit
- load, unload, or stack containers, materials, or products
- maintain consistent production quality
- maintain inspection tools or equipment
- maintain records, reports, or files
- maintain safe work environment
- mark items for acceptance or rejection, according to conformance to specifications
- measure, weigh, or count products or materials
- modify electrical or electronic equipment or products
- monitor production machinery/equipment operation to detect problems
- monitor repairs or maintenance to enforce standards
- move materials or goods between work areas
- operate industrial or nondestructive testing equipment
- operate packaging or banding machine or equipment
- operate pneumatic test equipment
- operate precision test equipment
- package goods for shipment or storage
- perform safety inspections in industrial, manufacturing or repair setting
- prepare reports
- prepare safety reports
- prepare technical reports or related



- documentation
- read blueprints
- read production layouts
- read specifications
- read technical drawings
- read work order, instructions, formulas, or processing charts
- recognize characteristics of alloys
- recognize characteristics of metals
- recognize characteristics of pulps
- recognize wood species characteristics
- record test results, test procedures, or inspection data
- sort manufacturing materials or products
- test manufactured products or materials
- understand engineering data or reports
- understand measuring devices
- understand technical operating, service or repair manuals
- use computers to enter, access or retrieve data
- use electrical or electronic test devices or equipment
- use hand or power tools
- use hazardous materials information
- use interpersonal communication techniques
- use knowledge of investigation techniques
- use knowledge of metric system
- use long or short term production planning techniques
- use oral or written communication techniques
- use precision measuring tools or equipment
- use quality assurance techniques
- use research methodology procedures within manufacturing or commerce
- use spreadsheet software
- use technical information in manufacturing or industrial activities
- use x-ray or magnetic inspection techniques

Technology - Examples

Analytical or scientific software

- Data analysis software
- Design of experiments DOE software
- Minitab software
- Tolerance analysis software

Computer aided manufacturing CAM software

- Computer-aided inspection software

**Industrial control software**

- Coordinate measuring machine software
- CyberMetrics GAGETrak Calibration Management Software
- Statistical process control SPC data collection devices
- Wilcox Associates PC-DMIS Inspection Planner

Label making software

- Inspection marking systems

Optical character reader OCR or scanning software

- Label inspection systems

Spreadsheet software

- Microsoft Excel

Word processing software

- Microsoft Word

Tools - Examples

- Accelerometers
- Ammeters
- Industrial bench scales
- Beta gauges
- Measuring microscopes
- Digital resistance meters
- Calipers
- Continuity testers
- Optical comparators
- Compression testers
- Conductivity meters
- Coordinate measuring machines CMM
- Creep and stress relaxation testers
- Depth gauges
- Ductility testers
- Eddy current flaw detectors
- Frequency meters
- Fatigue testers
- Force transducers



- Forklifts
- Frequency counters
- Functional gauges
- Hardness testers
- Height gauges
- Hipot testers
- Hydraulic pumps
- Impact hammers
- Impact toughness testers
- Return loss calibrator RLC passive component testers
- Backplane testers
- Holographic interferometers
- Laser shearography flaw detectors
- Bubble leak testers
- Pulse generators
- Hydraulic lifts
- Penetrant flaw detectors
- Magnetic particle flaw detectors
- Metallurgical microscopes
- Micrometers
- Moisture meters
- Digital multimeters
- Bit error rate BER testers
- Sampling oscilloscopes
- Personal computers
- Plotters
- Direct current DC power testers
- Gloss meters
- Environmental chambers
- Digital thermometers
- Pi tapes
- Shear testers



- Shock testers
- Linear or mixed signal equipment
- Function generators
- Sorting machines
- Color spectrometers
- Strain gauges
- Tensile testers
- Laser thickness gauges
- Thread gauges
- Overhead cranes
- Ultrasonic flaw detectors
- Vibration and shaker systems
- Viscometers
- Digital voltmeters DVM
- Radiographic flaw detectors

Labor Market Comparison

Description	Inspectors, Testers, Sorters, Samplers, and Weighers	Order Fillers, Wholesale and Retail Sales	Difference
Median Wage	\$ 29,700	\$ 19,860	\$(9,840)
10th Percentile Wage	\$ 19,620	\$ 15,330	\$(4,290)
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 40,300	\$ 24,350	\$(15,950)
90th Percentile Wage	\$ 48,960	\$ 30,370	\$(18,590)
Mean Wage	\$ 31,870	\$ 21,410	\$(10,460)
Total Employment - 2007	1,700	7,670	5,970
Employment Base - 2006	1,720	7,601	5,881
Projected Employment - 2016	1,473	6,921	5,448
Projected Job Growth - 2006-2016	-14.4 %	-8.9 %	5.4 %
Projected Annual Openings - 2006-2016	26	180	154



National Job Posting Trends

Trend for Inspectors, Testers, Sorters, Samplers, and Weighers

Trend for
Order
Fillers,
Wholesale
and Retail
Sales



Data from [Indeed](http://Indeed.com)

Recommended Programs

General Office/Clerical and Typing Services

General Office Occupations and Clerical Services. A program that prepares individuals to provide basic administrative support under the supervision of office managers, administrative assistants, secretaries, and other office personnel. Includes instruction in typing, keyboarding, filing, general business correspondence, office equipment operation, and communications skills.

Institution	Address	City	URL
Northern Maine Community College	33 Edgemont Dr	Presque Isle	www.nmcc.edu

Retailing and Retail Operations

Retailing and Retail Operations. A program that prepares individuals to perform operations associated with retail sales in a variety of settings. Includes instruction in over-the-counter and other direct sales operations in business settings, basic bookkeeping principles, customer service, team/staff leadership and supervision, floor management, and applicable technical skills.

No schools available for the program

Maine Statewide Promotion Opportunities for Inspectors, Testers, Sorters, Samplers, and Weighers

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings



51-9061.00	Inspectors, Testers, Sorters, Samplers, and Weighers	100	2	1,700	\$29,700.00	\$0.00	-14%	26
51-4121.07	Solderers and Brazers	87	2	1,610	\$38,030.00	\$8,330.00	7%	49
51-9196.00	Paper Goods Machine Setters, Operators, and Tenders	85	2	910	\$38,230.00	\$8,530.00	-26%	23
43-5053.00	Postal Service Mail Sorters, Processors, and Processing Machine Operators	84	2	970	\$41,950.00	\$12,250.00	-12%	10
51-2021.00	Coil Winders, Tapers, and Finishers	82	2	90	\$31,910.00	\$2,210.00	-53%	1
43-9031.00	Desktop Publishers	82	3	130	\$32,200.00	\$2,500.00	14%	5
19-4011.02	Food Science Technicians	82	3	20	\$32,000.00	\$2,300.00	-3%	1
51-9032.00	Cutting and Slicing Machine Setters, Operators, and Tenders	80	2	710	\$31,350.00	\$1,650.00	-23%	12
51-5023.00	Printing Machine Operators	79	2	790	\$29,710.00	\$10.00	-3%	18
43-5061.00	Production, Planning, and Expediting Clerks	79	2	1,320	\$38,490.00	\$8,790.00	-1%	35
51-5021.00	Job Printers	79	3	140	\$31,890.00	\$2,190.00	-10%	2
51-9051.00	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	79	2	300	\$32,980.00	\$3,280.00	-18%	9
19-4031.00	Chemical Technicians	78	3	160	\$34,890.00	\$5,190.00	-7%	6
51-4032.00	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	78	2	100	\$33,030.00	\$3,330.00	-22%	2
43-9041.02	Insurance Policy Processing Clerks	78	2	1,810	\$31,380.00	\$1,680.00	-8%	22

Top Industries for Order Fillers, Wholesale and Retail Sales

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
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Grocery stores	445100	23.82%	406,079	370,728	-8.71%
Department stores	452100	16.56%	282,337	232,482	-17.66%
Other general merchandise stores	452900	9.11%	155,334	175,987	13.30%
Warehousing and storage	493100	3.42%	58,300	65,157	11.76%
Employment services	561300	2.57%	43,742	46,324	5.90%
Clothing stores	448100	2.50%	42,692	37,499	-12.16%
Grocery and related product wholesalers	424400	2.26%	38,557	35,278	-8.50%
Pharmacies and drug stores	446110	1.85%	31,599	29,366	-7.07%
General medical and surgical hospitals, public and private	622100	1.51%	25,696	23,804	-7.36%
Miscellaneous nondurable goods merchant wholesalers	424900	1.11%	18,994	17,279	-9.03%
Electronics and appliance stores	443100	0.97%	16,458	13,754	-16.43%
Wholesale electronic markets and agents and brokers	425100	0.95%	16,236	15,416	-5.05%
Office supplies, stationery, and gift stores	453200	0.91%	15,522	10,716	-30.97%
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	423100	0.82%	14,032	13,402	-4.49%
Local government, excluding education and hospitals	939300	0.80%	13,602	12,785	-6.00%

Top Industries for Inspectors, Testers, Sorters, Samplers, and Weighers

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Employment services	561300	7.50%	36,864	43,994	19.34%
Motor vehicle parts manufacturing	336300	4.66%	22,903	17,193	-24.93%
Plastics product manufacturing	326100	4.23%	20,797	20,787	-0.05%
Semiconductor and other electronic component manufacturing	334400	3.70%	18,159	14,967	-17.58%
Aerospace product and parts manufacturing	336400	3.32%	16,315	15,667	-3.97%
Navigational, measuring, electromedical, and control instruments manufacturing	334500	2.17%	10,680	9,641	-9.72%
Medical equipment and supplies manufacturing	339100	1.87%	9,177	8,852	-3.55%
Pharmaceutical and medicine manufacturing	325400	1.80%	8,824	10,486	18.84%
Animal slaughtering and processing	311600	1.79%	8,815	9,486	7.62%
Other fabricated metal product manufacturing	332900	1.78%	8,731	7,295	-16.45%
Rubber product manufacturing	326200	1.70%	8,331	5,547	-33.41%
Testing laboratories	541380	1.48%	7,249	8,416	16.10%
Self-employed workers, primary job	000601	1.48%	7,279	7,313	0.46%
Foundries	331500	1.45%	7,125	4,872	-31.63%



Printing and related support activities	323100	1.40%	6,856	5,122	-25.29%
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