

2016 PROFIT Report

An analysis of fiscal 2015

Prepared by Profit Planning Group

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Introduction

This report presents a detailed but straightforward analysis of financial and operating characteristics of 45 participating DHI firms. Results are presented in tables and graphs designed to provide a comprehensive guide for analyzing profitability.

Methodology

Surveys were mailed to all members to collect detailed financial and operating data. Completed surveys were returned directly to Profit Planning Group for analysis. Individual responses were kept strictly confidential by Profit Planning Group. Neither DHI nor any other firm had access to any individual firm's survey or results.

Report Format

This report is organized into the following sections.

• Executive Summary

An overview of study results including a graphical presentation of key results.

Detailed Results

An analysis of return on investment and financial and productivity ratios.

Regions

Geographic regions are analyzed. Participants were grouped according to regions specified by DHI.

Trends

An examination of changes in performance over time for key results and ratios.

Ratio Calculation

A summary of ratio calculations.

Statistics

Medians

Most of the figures presented in this report are based on median results. A median is the middle value in the sorted list of all reported values. Unlike averages, medians are not influenced by extreme values and, therefore, best represent a typical firm. Medians are the preferred statistic for this analysis.

High-Profit Group

A high-profit group was identified based on pre-tax return on assets (ROA). This group includes firms with the top ROA results. High-profit results are based on the medians of data reported by these firms.

Averages for Inventory, Accounts Receivable, and Accounts Payable

If available, calculations use average values for inventory, accounts receivable, and accounts payable.

FIFO Adjustment

For firms reporting LIFO reserve data, inventory, cost of goods sold and gross margin were adjusted to a FIFO basis.

The N/A Label

Throughout this report, "N/A" designates results that are not available due to limited data.

Executive Summary

Financial performance varied widely among participants in 2015. The results show a typical firm generated sales of \$16,603,633 and a pre-tax profit of 3.5%. Sales for the typical high-profit firm were \$11,796,309, with a profit of 7.4%. Of greatest consequence, the typical firm had a 9.8% pre-tax return on assets (profit before taxes expressed as a percentage of total assets) while the typical high-profit firm generated an ROA of 20.0%.

A number of factors led to the differences in overall results. In most instances these differences can be illustrated by examining what are commonly called the critical profit variables (CPVs). The following exhibit compares the critical profit variables for the typical firm and the typical high-profit firm.

The Critical Profit Variables		
	Typical DHI <u>Distributor</u>	High Profit <u>DHI</u>
Sales per Employee Measures employee productivity	\$314,323	\$373,490
Gross Margin Percentage Reflects the ability to manage COGS effectively	30.8%	31.9%
Operating Expense Percentage Focuses on expense control	27.4%	24.4%
Inventory Turnover (times) Reflects how well inventory is managed	6.5	7.2
Average Collection Period (days) Reflects accounts receivable collection practices	69.8	65.9

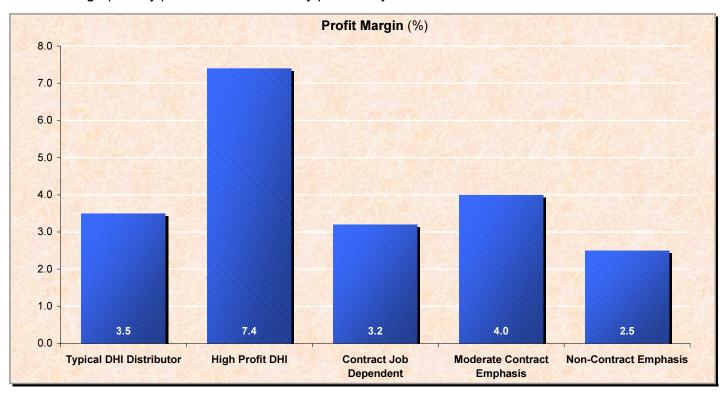
High-profit firms may not always perform better in every CPV but their *combined* CPV performance produces better overall results. The following table presents a comparison of these results. Since these differences can dramatically improve operating performance it is important that every firm is aware of their impact.

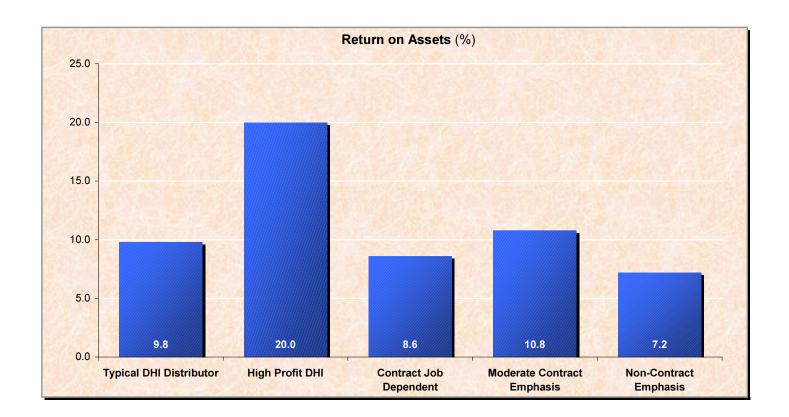
An Overview of Financial Result	S	
	Typical DHI <u>Distributor</u>	High Profit <u>DHI</u>
Income Statement	<u> </u>	<u>====</u>
Net Sales	\$16,603,633	\$11,796,309
Cost of Goods Sold	<u>11,489,714</u>	8,033,286
Gross Margin	5,113,919	3,763,023
Operating Expenses	<u>4,549,396</u>	2,878,300
Operating Profit	564,523	884,723
Other Income/Expenses	<u>16,604</u>	<u>-11,796</u>
Profit Before Taxes	\$581,127	\$872,927
Profit Before Taxes (%)	3.5%	7.4%
Assets		
Cash	\$492,179	\$144,177
Accounts Receivable	2,994,584	2,499,070
Inventory	1,666,293	1,218,952
All Other Assets	<u>776,813</u>	506,804
Total Assets	\$5,929,869	\$4,369,003
Return on Assets (Pre-Tax)	9.8%	20.0%

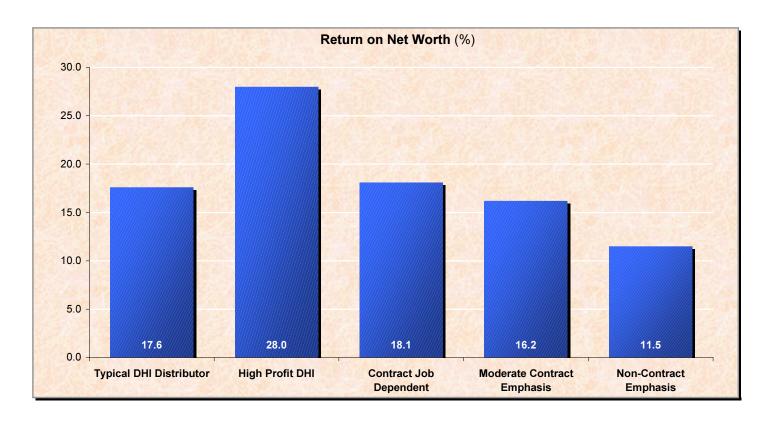
Executive Summary

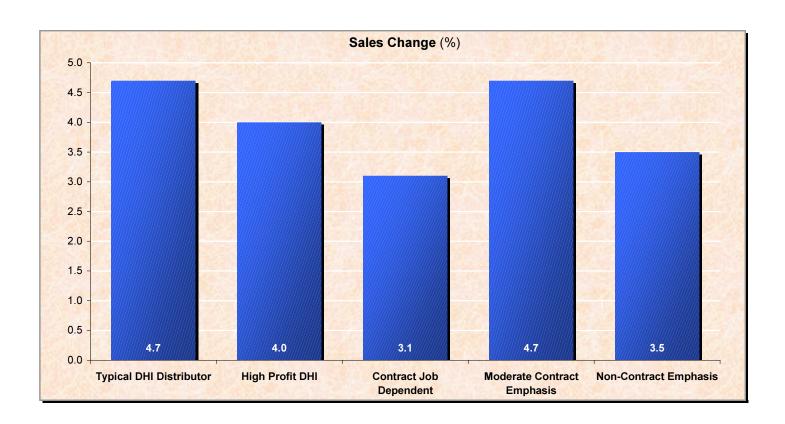
-	Typical DHI Distributor	High Profit DHI
Typical Sales Volume	\$16,603,633	\$11,796,309
Strategic Profit Model Ratios Profit Margin (pre-tax) Asset Turnover Return on Assets (pre-tax) Financial Leverage Return on Net Worth (pre-tax)	3.5% 2.8 9.8% 1.8 17.6%	7.4% 2.7 20.0% 1.4 28.0%
Income Statement		
Net Sales Cost of Goods Sold Gross Margin Operating Expenses Payroll Expenses Occupancy Expenses Other Operating Expenses Total Operating Expenses Operating Profit Other Income/Expenses Profit Before Taxes	100.0% 69.2 30.8 20.5 2.2 4.7 27.4 3.4 0.1 3.5%	100.0% 68.1 31.9 18.5 2.5 3.4 24.4 7.5 -0.1 7.4%
Financial Ratios Current Ratio Quick Ratio Accounts Payable to Inventory Accounts Payable Payout Period (days) Debt to Equity EBIT to Total Assets Times Interest Earned	2.2 1.5 48.0% 20.0 0.6 11.1% 13.8	3.4 2.4 32.6% 19.9 0.3 20.1% 21.3
Asset Productivity Average Collection Period (days) Inventory Turnover (times) Inventory Holding Period (days) Gross Margin Return on Inventory	69.8 6.5 55.9 311.6%	65.9 7.2 50.7 367.7%
Growth & Cash Sufficiency Growth Potential Index (GPI) Cash Cycle (days)	16.1% 105.7	23.6% 96.7
Operations Sales per SKU Sales per Customer Sales per Order	\$9,800 \$58,628 \$2,401	\$10,048 \$52,822 \$2,736
Employees Sales per Employee Gross Margin per Employee Payroll per Employee Personnel Productivity Ratio	\$314,323 \$103,474 \$74,552 66.6%	\$373,490 \$118,922 \$77,418 58.0%

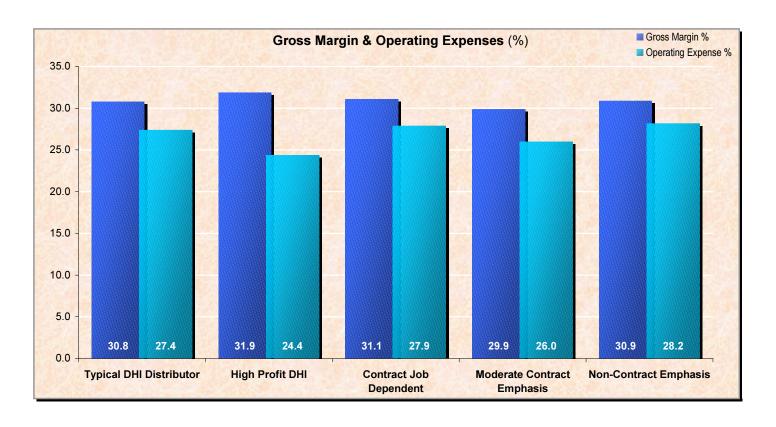
This section graphically presents results for key profitability measures and the factors that drive these results.



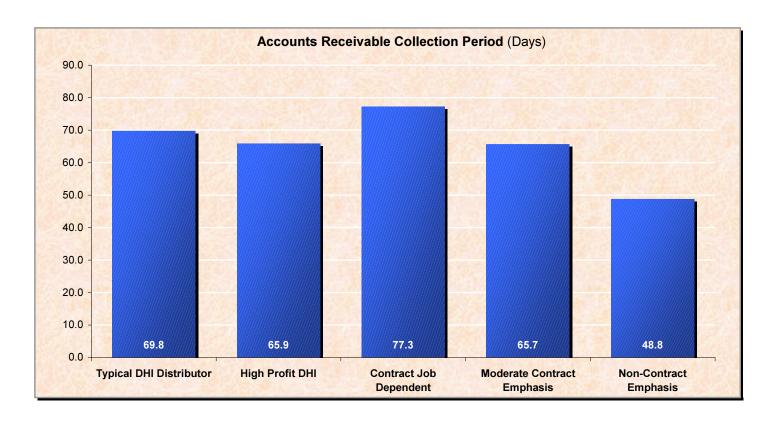


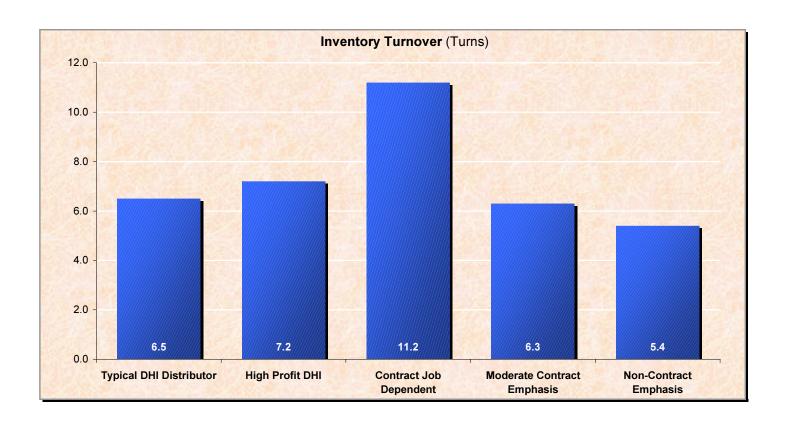












Return on Investment

Return on investment is the most meaningful way to evaluate overall business profitability. It is important to understand how return on investment is calculated and how it can be improved.

Strategic Profit Model

There are two distinct return on investment measures: return on assets and return on net worth. **Return on assets** looks at the economic viability of the firm. **Return on net worth** (or return on owner equity) examines the return being generated for the owners. Both have their own value in analyzing performance.

These two return on investment ratios are driven by three performance ratios: **profit margin, asset turnover** and **financial leverage**. Each of these represents a different strategy, or profitability pathway, to improve return on investment.

These five ratios can be combined into what is commonly called the **Strategic Profit Model**. This model is simply a graphical representation of a comprehensive return on investment analysis. The figure below presents the strategic profit model for the typical firm.



Path 1: Profit Margin = Profit Before Taxes ÷ Net Sales x 100

The first, and most important, profitability pathway is profit margin management. In the figure above, a profit margin of 3.5% means that for every \$1.00 of sales the business was able to produce 3.5¢ in profit before taxes. Profit margin focuses on revenue, gross margin management and operating expense control.

Path 2: Asset Turnover = Net Sales + Total Assets

Asset turnover reflects the sales the firm produces per dollar invested in assets. The ratio of 2.8 means that the firm is able to generate \$2.80 in sales for every \$1.00 in assets. If a firm's cash, accounts receivable, inventory, property, equipment, and all other assets can be used as efficiently as possible, then maximum revenue can be generated from a given asset investment.

Return On Assets = Profit Before Taxes ÷ Total Assets x 100

Return on assets (ROA) is the direct result of the first two pathways; profit margin multiplied by asset turnover. This measure of performance is a good indicator of the firm's ability to survive and prosper.

Path 3: Financial Leverage = Total Assets ÷ Net Worth

Financial leverage measures the total dollars of assets per dollar of net worth. The ratio measures the extent to which the firm uses outside (non-owner) financing. The higher the ratio, the more the firm relies on outside financing. The ratio of 1.8 times suggests that for every \$1.00 in net worth, the firm had \$1.80 in total assets.

Return On Net Worth = Profit Before Taxes ÷ Net Worth x 100

The end result of the three profitability pathways is return on net worth. It is seldom possible to generate an adequate rate of return on net worth by emphasizing just one of the profitability pathways. Each pathway should be examined for improvement opportunities and trade-offs made to increase overall profitability.

	Typical DHI	High Profit	Contract Job	Moderate Contract	Non- Contract
	<u>Distributor</u>	<u>DHI</u>	<u>Dependent</u>	<u>Emphasis</u>	<u>Emphasis</u>
Strategic Profit Model Ratios					
Profit Margin (pre-tax %)	3.5	7.4	3.2	4.0	2.5
Asset Turnover	2.8	2.7	2.7	2.7	2.9
Return on Assets (pre-tax %)	9.8	20.0	8.6	10.8	7.2
Financial Leverage	1.8	1.4	2.1	1.5	1.6
Return on Net Worth (pre-tax %)	17.6	28.0	18.1	16.2	11.5

Income Statement

The income statement reflects the ability of management to generate sales at a reasonable margin, control expenses and earn an equitable profit. It serves as the primary scorecard of management's effectiveness.

	Typical	High	Contract	Moderate	Non-
	DHI	Profit	Job	Contract	Contract
	<u>Distributor</u>	<u>DHI</u>	<u>Dependent</u>	Emphasis	<u>Emphasis</u>
Number of Firms Reporting	45	11	12	25	5
Typical Sales \$ Volume	16,603,633	11,796,309	16,209,240	14,989,614	23,938,572
Sales Change (2014 to 2015 %)	4.7	4.0	3.1	4.7	3.5
Income Statement (% of sales)					
Net Sales	100.0	100.0	100.0	100.0	100.0
Cost of Goods Sold Materials Direct Labor Other Cost of Goods Sold	65.0	65.1	63.4	66.6	64.4
	2.8	2.6	3.5	2.8	1.7
	1.4	0.4	2.0	0.7	<u>3.0</u>
Total Cost of Goods Sold	69.2	6 8.1	68.9	70.1	6 9.1
Gross Margin	30.8	31.9	31.1	29.9	30.9
Personnel Expenses Executive Salaries & Bonuses Sales Salaries & Commissions Warehouse & Delivery Wages All Other Employee Wages Total Salaries, Wages & Bonuses Payroll Taxes (FICA, workers' comp. & unemp.) Group Insurance (medical, hospitalization, etc.) Employee Benefits (profit sharing, pension, etc.) Total Personnel Expenses Occupancy Expenses Utilities (heat, light, power, water) Telephone Building Repairs & Maintenance Rent or Real Estate Ownership Total Occupancy Expenses	3.2	3.0	3.5	2.8	3.3
	8.1	5.6	7.5	8.0	7.0
	1.4	1.6	1.1	1.4	2.4
	<u>4.6</u>	4.7	6.2	4.0	3.9
	17.3	14.9	18.3	16.2	16.6
	1.5	1.4	1.5	1.5	1.2
	1.2	1.5	0.9	1.2	2.4
	<u>0.5</u>	0.7	0.4	0.5	0.7
	20.5	18.5	21.1	19.4	20.9
	0.3	0.2	0.2	0.3	0.3
	0.2	0.2	0.3	0.2	0.3
	0.2	0.2	0.2	0.2	0.5
	1.5	1.8	1.5	1.5	2.0
	2.2	2.5	2.2	2.2	3.1
Other Operating Expenses Advertising & Promotion Vehicle Expense Insurance (business liability & casualty) Depreciation Bad Debt Losses All Other Operating Expenses Total Other Operating Expenses Total Operating Expenses Operating Profit Other Income Interest Expense Other Non-operating Expenses Profit Before Taxes	0.1	0.0	0.1	0.1	0.2
	0.9	0.6	0.7	0.8	1.1
	0.4	0.4	0.4	0.4	0.7
	0.4	0.5	0.6	0.3	0.5
	0.1	0.0	0.0	0.1	-0.1
	2.8	1.9	2.8	2.7	1.8
	4.7	3.4	4.6	4.4	4.2
	27.4	24.4	27.9	26.0	28.2
	3.4	7.5	3.2	3.9	2.7
	0.2	0.1	0.3	0.2	0.1
	0.1	0.2	0.3	0.1	0.2
	0.0	0.0	0.0	0.0	0.1
	3.5	7.4	3.2	4.0	2.5

Expenses in Relationship to Gross Margin

Gross margin represents the income available after paying for all product purchases. Many firms like to examine expenses in relationship to gross margin. The feeling is that gross margin represents the money available for expenses and profit, so the analysis provides a good basis for control.

One word of caution is in order. Gross margins may vary by an appreciable amount in the industry. Consequently, an expense item that is a low percentage of gross margin may reflect excellent expense control or it may reflect greater success in producing gross margin. The figures must always be viewed in that light.

	Typical DHI <u>Distributor</u>	High Profit <u>DHI</u>	Contract Job <u>Dependent</u>	Moderate Contract <u>Emphasis</u>	Non- Contract <u>Emphasis</u>
Expenses In Relation To GM (% of gross profit)					
Gross Margin	100.0	100.0	100.0	100.0	100.0
Personnel Expenses					
Executive Salaries & Bonuses	10.4	9.4	11.3	9.4	10.7
Sales Salaries & Commissions	26.3	17.6	24.1	26.7	22.6
Warehouse & Delivery Wages	4.6	5.0	3.5	4.7	7.8
All Other Employee Wages	<u>14.9</u>	<u>14.7</u>	<u>19.9</u>	<u>13.4</u>	<u>12.6</u>
Total Salaries, Wages & Bonuses	56.2	46.7	58.8	54.2	53.7
Payroll Taxes (FICA, workers' comp. & unemp.)	4.9	4.4	4.8	5.0	3.9
Group Insurance (medical, hospitalization, etc.)	3.9	4.7	2.9	4.0	7.8
Employee Benefits (profit sharing, pension, etc.)	<u>1.6</u>	<u>2.2</u>	<u>1.3</u>	<u>1.7</u>	<u>2.3</u>
Total Personnel Expenses	66.6	58.0	67.8	64.9	67.7
Occupancy Expenses					
Utilities (heat, light, power, water)	1.0	0.9	0.6	1.0	1.0
Telephone	0.6	0.6	1.1	0.7	1.0
Building Repairs & Maintenance	0.6	0.6	0.6	0.7	1.6
Rent or Real Estate Ownership	<u>4.9</u>	<u>5.6</u>	<u>4.8</u>	<u>5.0</u>	<u>6.4</u>
Total Occupancy Expenses	7.1	7.7	7.1	7.4	10.0
Other Operating Expenses					
Advertising & Promotion	0.3	0.0	0.3	0.3	0.6
Vehicle Expense	2.9	1.9	2.3	2.7	3.6
Insurance (business liability & casualty)	1.3	1.3	1.3	1.4	2.3
Depreciation	1.3	1.6	1.9	1.0	1.6
Bad Debt Losses	0.3	0.0	0.0	0.3	-0.3
All Other Operating Expenses	<u>9.1</u>	<u>6.0</u>	<u>9.0</u>	<u>9.0</u>	<u>5.8</u>
Total Other Operating Expenses	15.2	10.8	14.8	14.7	13.6
Total Operating Expenses	88.9	76.5	89.7	87.0	91.3
Operating Profit	11.1	23.5	10.3	13.0	8.7
Other Income	0.6	0.3	1.1	0.7	0.3
Interest Expense	0.3	0.6	1.1	0.3	0.6
Other Non-operating Expenses	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.3</u>
Profit Before Taxes	11.4	23.2	10.3	13.4	8.1

Balance Sheet

The balance sheet is an underutilized financial statement. If properly analyzed, it provides significant insights into the financial structure of the firm. This page examines the composition of the balance sheet while the pages that follow derive some key ratios from the balance sheet information.

	Typical DHI <u>Distributor</u>	High Profit <u>DHI</u>	Contract Job <u>Dependent</u>	Moderate Contract <u>Emphasis</u>	Non- Contract Emphasis
Typical Total \$ Assets	5,929,869	4,369,003	6,003,422	5,551,709	8,254,680
Assets (% of assets)					
Cash & Marketable Securities	8.3	3.3	11.2	4.2	12.8
Trade Accounts Receivable	50.5	57.2	54.1	52.9	43.5
Inventory	28.1	27.9	14.8	30.2	31.7
Other Current Assets	<u>2.3</u>	<u>0.9</u>	<u>6.0</u>	<u>2.2</u>	<u>0.9</u>
Total Current Assets	89.2	89.3	86.1	89.5	88.9
Fixed & Noncurrent Assets	<u>10.8</u>	<u>10.7</u>	<u>13.9</u>	<u>10.5</u>	<u>11.1</u>
Total Assets	100.0	100.0	100.0	100.0	100.0
Liabilities and Net Worth (% of assets)					
Trade Accounts Payable	21.9	13.7	34.0	13.6	12.8
Notes Payable	4.9	5.2	2.9	7.6	1.6
Other Current Liabilities	<u>12.0</u>	<u>8.1</u>	<u>6.4</u>	<u>10.0</u>	<u>18.8</u>
Total Current Liabilities	38.8	27.0	43.3	31.2	33.2
Long Term Liabilities	4.3	0.4	9.5	3.6	2.7
Net Worth or Owner Equity	<u>56.9</u>	<u>72.6</u>	<u>47.2</u>	<u>65.2</u>	<u>64.1</u>
Total Liabilities & Net Worth	100.0	100.0	100.0	100.0	100.0

Financial Ratios

Suppliers, bankers and outside creditors have a wide range of financial ratios at their disposal to measure the overall financial integrity of the firm. The specific ratios that are most commonly used in this process are covered on this page.

Current Ratio = Current Assets ÷ Current Liabilities

The current ratio measures the margin of safety that management maintains in order to allow for the inevitable unevenness in the flow of funds through the current asset and current liability accounts. A company needs a supply of current funds to be assured of being able to pay its bills when they come due.

Quick Ratio = (Cash + Accounts Receivable) ÷ Current Liabilities

Quick assets include cash, marketable securities, and current accounts receivable. Presumably, these items can be converted into cash quickly at approximately their stated amounts, unlike inventory which is the principal current asset excluded from this calculation. The quick ratio is, therefore, a measure of the extent to which liquid resources are readily available to meet current obligations.

Accounts Payable to Inventory = Accounts Payable ÷ Inventory x 100

This ratio measures the extent to which a company's inventory is financed by the suppliers of that inventory. Increasingly, firms are looking to finance a major portion of their inventory via supplier financing.

Accounts Payable Payout Period = Accounts Payable ÷ (Cost of Goods Sold ÷ 365 days)

The accounts payable payout period measures the timeliness of paying suppliers. This figure is related directly to the normal credit terms of the company's purchases.

Debt to Equity = Total Liabilities ÷ Net Worth

The greater the proportion of its financing that is obtained from owners, the less worry the company has in meeting its fixed obligations. At the same time excessive reliance on owner financing slows the rate at which the firm can grow. The debt to equity ratio shows the balance that management has struck between debt and owners' equity.

EBIT to Total Assets = Earnings Before Interest and Taxes ÷ Total Assets x 100

EBIT to total assets is a return on investment ratio that provides a profit analysis based on earnings before interest and income taxes. This ratio is best compared with a company's annual interest rate on borrowed funds.

Times Interest Earned = (Profit Before Taxes + Interest) ÷ Interest

The times interest earned ratio measures the number of times profit before interest and taxes will cover total interest payments on debt. The result indicates the level to which income can decline without impairing the company's ability to meet interest payments on its liabilities.

	Typical DHI	High Profit	Contract Job	Moderate Contract	Non- Contract
	<u>Distributor</u>	<u>DHI</u>	<u>Dependent</u>	Emphasis	Emphasis
Financial Ratios					
Current Ratio	2.2	3.4	2.1	3.1	2.5
Quick Ratio	1.5	2.4	1.4	1.7	1.8
Accounts Payable to Inventory (%)	48.0	32.6	130.4	32.6	27.4
Accounts Payable Payout Period (days)	20.0	19.9	44.7	16.7	16.7
Debt to Equity	0.6	0.3	1.2	0.5	0.4
EBIT to Total Assets (%)	11.1	20.1	8.6	12.4	10.3
Times Interest Earned	13.8	21.3	8.0	14.9	11.8

Asset Productivity

Given the significance of both accounts receivable and inventory, it is important to measure the productivity of these asset investments using the ratios on this page. For both of these asset categories the objective is not necessarily to minimize their value. Rather, the objective is to utilize both for maximum profitability.

Average Collection Period = Accounts Receivable ÷ (Credit Sales ÷ 365 days)

The average collection period can be evaluated against the credit terms offered by the company. As a rule, the collection period should not exceed 1 1/3 times the regular payment period. That is, if your company's typical terms call for payment in 30 days, then the collection period should not exceed 40 days.

Inventory Turnover = Cost of Goods Sold ÷ Inventory

Inventory turnover is an indication of the velocity with which merchandise dollars move through the business. In the case of the typical member, the turnover figure of 6.5 means that the firm sells out the equivalent of its inventory value 6.5 times per year.

Inventory Holding Period = 365 days ÷ Inventory Turnover

The inventory holding period reflects how many days of inventory are on hand. That is, it shows how long it should take to sell off the existing inventory. Business managers and owners must be concerned with a holding period that is longer than necessary due to the high costs of capital tied up in excess inventory. On the other hand, reducing inventory levels too much could result in lost sales if certain products are not available when the customer wants them. The cost of carrying inventory has to be balanced against the profit opportunities lost by not having product in stock ready for sale.

Sales to Inventory Ratio = Net Sales ÷ Inventory at Cost

The sales to inventory ratio is another method for measuring how quickly inventory turns over in the company. It demonstrates how much sales volume is produced per dollar of inventory investment. The figure of 9.6 for the typical member indicates that the firm generates \$9.60 of sales annually for each dollar tied up in inventory.

Gross Margin Return on Inventory = Gross Profit ÷ Inventory x 100

The basic objective of Gross Margin Return on Inventory (GMROI) is to view the inventory from a return on investment perspective. Consequently, the ratio measures how many gross margin dollars are produced from each dollar invested in inventory. GMROI facilitates the evaluation of products with widely varying gross margin and inventory utilization rates.

	Typical DHI Distributor	High Profit DHI	Contract Job Dependent	Moderate Contract Emphasis	Non- Contract Emphasis
Collections					
Cash Sales (% of net sales)	4.0	4.0	1.0	4.0	5.0
Average Collection Period (days)	69.8	65.9	77.3	65.7	48.8
Bad Debt Losses (% of net sales)	0.1	0.0	0.0	0.1	-0.1
Inventory					
Inventory Turnover	6.5	7.2	11.2	6.3	5.4
Inventory Holding Period (days)	55.9	50.7	32.8	58.1	67.7
Sales to Inventory Ratio	9.6	10.8	16.8	8.7	8.3
Gross Margin Return on Inventory (%)	311.6	367.7	579.1	272.8	288.7
Sales Path (% of sales)					
Warehouse Sales	90.0	85.0	83.5	90.0	95.0
Direct Shipments	<u>10.0</u>	<u>15.0</u>	<u>16.5</u>	<u>10.0</u>	<u>5.0</u>
Total Sales	100.0	100.0	100.0	100.0	100.0

Growth & Cash Sufficiency

Most firms are anxious to expand their sales base. As they do so, however, cash flow becomes a major issue. Ideally, firms would like to have enough cash to fund expansion and to provide a buffer in the event of a cyclical slowdown in the industry. At the same time, no firm wants excessive cash balances remaining idle.

This section examines cash sufficiency utilizing a number of financial ratios, most of that are not well understood. However, these ratios provide insight into how fast the firm can grow, the cash flow required for additional sales growth and ways to enhance growth with existing cash balances.

Cash Cycle = Average Collection Period + Inventory Holding Period - Accounts Payable Payout Period

The cash cycle determines the number of days of investment in a product from the time it is purchased from the supplier until the sales invoice is collected from the customer. Anything that can be done to shorten this period facilitates sales growth without additional outside investment. All three of the components of this ratio were covered on the preceding two pages.

Growth Potential Index = Profit After Taxes ÷ (Accounts Receivable + Inventory - Accounts Payable)

The Growth Potential Index (GPI) measures approximately how fast the firm can increase its sales each year using only internally generated funds. Increasing sales faster than the growth potential index will reduce cash on hand. Increasing sales slower than the growth potential index will create additional cash reserves.

Cash to Current Liabilities = Cash ÷ Current Liabilities x 100

This is the most stringent test of the ability of the firm to meet its short-term obligations with existing cash balances.

Defensive Interval = Cash ÷ (Operating Expenses other than Depreciation ÷ 365 days)

The defensive interval measures how long the firm can operate using nothing but existing cash balances. It provides a worst-case analysis of the adequacy of the firm's cash position if sales and collections suddenly deteriorated.

Sales to Working Capital = Net Sales ÷ (Current Assets - Current Liabilities)

Measures the ability of the firm to generate sales without tying up high levels of investment in working capital. A ratio of 5.6, for example, means the firm can generate \$5.60 in sales for every \$1.00 invested in working capital. This ratio can be improved by changes in any of the three working capital variables—improving inventory turnover, reducing accounts receivable collections or obtaining more favorable accounts payable payment terms.

	Typical DHI	High Profit	Contract Job	Moderate Contract	Non- Contract
	<u>Distributor</u>	<u>DHI</u>	<u>Dependent</u>	Emphasis	<u>Emphasis</u>
Cash Flow Cycle					
Average Collection Period (days)	69.8	65.9	77.3	65.7	48.8
Plus Inventory Holding Period (days)	<u>55.9</u>	<u>50.7</u>	<u>32.8</u>	<u>58.1</u>	<u>67.7</u>
Gross Cash Flow (days)	125.7	116.6	110.1	123.8	116.5
Minus A/P Payout Period (days)	<u>20.0</u>	<u>19.9</u>	<u>44.7</u>	<u>16.7</u>	<u>16.7</u>
Cash Cycle (days)	105.7	96.7	65.4	107.1	99.8
Growth & Cash Sufficiency					
Growth Potential Index (%)	16.1	23.6	8.8	16.1	15.1
Cash to Current Liabilities (%)	6.6	6.0	14.9	4.6	11.3
Defensive Interval (days)	14.1	10.1	59.4	9.8	42.5
Sales to Working Capital	5.6	5.2	6.6	5.6	5.5

Operations

Operational issues are frequently overlooked as determinants of profitability. The following ratios measure operational performance.

Sales per SKU = Net Sales ÷ Number of Stockkeeping Units

A stockkeeping unit (SKU) is a single item defined as narrowly as possible, considering characteristics such as size, color, manufacturer, style and the like. Two items purchased from the same supplier that are the same size, but different colors, are two distinct SKUs. The ability to produce a high level of sales per SKU suggests that the firm has simplified its operations for maximum productivity.

Inventory per SKU = Inventory ÷ Number of SKUs

The critical role of inventory is to provide the maximum level of customer service. This is usually achieved by carrying a high level of inventory behind each item sold.

Sales per Customer = Net Sales ÷ Number of Active Customers

If the firm can generate adequate sales per customer it can minimize the amount of time and expense it incurs in finding additional customers. A high sales per customer also suggests a more effective use of delivery vehicles and other operating assets. Active customers are those making six or more purchases annually.

Sales per Order = Net Sales ÷ Number of Orders Shipped

Processing, filling and delivering a customer order involves a large amount of expense that is the same regardless of invoice size. The higher the sales per order, the more able the firm is to cover these fixed expenses with the additional gross margin dollars generated on the sale.

Sales per Order Line = Net Sales ÷ Number of Lines per Order

Processing orders also involves a relatively fixed cost per order line. Increasing the line value also enables the firm to cover fixed costs more profitably.

	Typical	High	Contract	Moderate	Non-
	DHI	Profit	Job	Contract	Contract
	<u>Distributor</u>	<u>DHI</u>	<u>Dependent</u>	Emphasis	<u>Emphasis</u>
Shipments Received (monthly avg.) Sales \$ per Shipment Received	280	250	178	360	N/A
	2,833	3,450	4,244	2,511	N/A
Stockkeeping Units (SKUs) Sales \$ per SKU Inventory \$ per SKU	1,320	1,625	850	1,410	2,199
	9,800	10,048	21,917	8,613	7,235
	891	847	1,171	888	890
Customers Sales \$ per Customer	210	205	110	299	365
	58,628	52,822	140,439	49,472	24,968
Orders Shipped (monthly avg.) Sales \$ per Order Lines per Order (avg.) Sales \$ per Order Line	360	280	250	471	2,975
	2,401	2,736	5,383	2,159	1,218
	8.0	5.0	14.0	6.5	8.0
	328	499	585	365	172
Product Sales (% of sales) Builders Hardware Electronic Hardware Metal Doors & Related Products Wood Doors & Frames Toilet Accessories & Partitions Other Total Sales	44.5	43.8	39.5	48.1	36.2
	5.1	5.5	6.2	4.6	5.8
	21.5	24.4	21.6	21.5	22.0
	16.6	17.6	18.9	16.8	10.2
	3.7	3.9	4.8	2.8	5.2
	<u>8.6</u>	4.8	9.0	<u>6.2</u>	20.6
	100.0	100.0	100.0	100.0	100.0
Type of Sale (% of sales) Contract Jobs Non-Contract Sales Total Sales Manufacturers Sales \$ per Manufacturer	69.5	67.5	86.0	65.0	43.0
	<u>30.5</u>	<u>32.5</u>	<u>14.0</u>	<u>35.0</u>	<u>57.0</u>
	100.0	100.0	100.0	100.0	100.0
	150	123	155	125	165
	112,351	127,771	102,898	105,734	158,943

Employees

Employees are the lifeblood of the organization. Without a properly motivated and compensated workforce, few firms can produce much more than basic levels of performance. Employee payroll costs make up the single largest expense category on the income statement.

In controlling employee payroll, the key to success is not the absolute level of compensation, but rather the productivity of employees. The two key employee productivity ratios presented in this report are sales per employee and the personnel productivity ratio. Both ratios are measures of employee output.

Sales per Employee = Net Sales ÷ Total Full-Time Equivalent Employees

This is simply the level of sales generated per full-time equivalent (FTE) employee. The ratio provides a means to estimate how many additional employees will be required as the firm expands its sales base.

Personnel Productivity Ratio = Payroll Expense ÷ Gross Margin x 100

The personnel productivity ratio (PPR) expresses total payroll expense as a percentage of gross margin. Total payroll includes not only salaries and wages, but also all payroll taxes, insurance coverage and other fringe benefits. The ratio measures the portion of each gross margin dollar that must be committed to payroll. This is one of the few productivity ratios where a lower figure is desirable.

	Typical DHI <u>Distributor</u>	High Profit <u>DHI</u>	Contract Job <u>Dependent</u>	Moderate Contract <u>Emphasis</u>	Non- Contract <u>Emphasis</u>
FTE Employees	47.0	32.0	45.5	42.0	71.0
Sales \$ per Employee	314,323	373,490	315,794	317,717	301,677
Gross Margin \$ per Employee	103,474	118,922	100,449	103,626	90,635
Salary \$ per Employee	57,282	66,264	60,079	58,791	56,871
Payroll \$ per Employee	74,552	77,418	75,253	72,073	63,748
Payroll Expense (% of sales)	23.3	21.1	24.6	22.2	22.6
Benefits (% of total payroll)	15.6	16.1	14.7	15.2	17.7
Personnel Productivity Ratio (%)	66.6	58.0	67.8	64.9	67.7
Direct Labor Employees					
Firms With Direct Labor Employees (% of firms)	78.0	72.7	60.0	88.0	60.0
Direct Labor FTEs (at firms with them)	11.5	7.0	8.0	11.5	N/A

	Sales	Sales	Sales
	Under \$10	\$10 - \$20	Over \$20
	Million	<u>Million</u>	Million
Number of Firms Reporting	16	12	16
Typical Sales \$ Volume	6,161,063	16,603,633	32,272,180
Sales Change (2014 to 2015 %)	4.0	6.3	5.1
Strategic Profit Model Ratios Profit Margin (pre-tax %) Asset Turnover Return on Assets (pre-tax %) Financial Leverage Return on Net Worth (pre-tax %)	4.0	4.7	2.6
	2.7	2.7	2.9
	10.8	12.7	7.5
	1.8	1.5	2.3
	19.4	19.0	17.2
Income Statement (% of sales)			
Net Sales Cost of Goods Sold	100.0	100.0	100.0
Materials Direct Labor Other Cost of Goods Sold Total Cost of Goods Sold	64.3	64.5	66.2
	2.7	2.7	2.9
	<u>1.7</u>	<u>0.7</u>	<u>1.2</u>
	68.7	67.9	70.3
Gross Margin	31.3	32.1	29.7
Personnel Expenses Executive Salaries & Bonuses Sales Salaries & Commissions Warehouse & Delivery Wages All Other Employee Wages Total Salaries, Wages & Bonuses Payroll Taxes (FICA, workers' comp. & unemp.) Group Insurance (medical, hospitalization, etc.) Employee Benefits (profit sharing, pension, etc.) Total Personnel Expenses	5.3	3.5	2.0
	7.1	7.8	8.1
	2.3	1.5	1.1
	2.1	<u>4.9</u>	<u>6.5</u>
	16.8	17.7	17.7
	1.5	1.3	1.3
	1.4	1.5	0.9
	0.3	<u>0.6</u>	<u>0.7</u>
	20.0	21.1	20.6
Occupancy Expenses Utilities (heat, light, power, water) Telephone Building Repairs & Maintenance Rent or Real Estate Ownership Total Occupancy Expenses	0.3	0.3	0.3
	0.3	0.2	0.2
	0.2	0.2	0.2
	<u>1.5</u>	<u>1.5</u>	<u>1.5</u>
	2.3	2.2	2.2
Other Operating Expenses Advertising & Promotion Vehicle Expenses Insurance (business liability & casualty) Depreciation Bad Debt Losses All Other Operating Expenses Total Other Operating Expenses	0.1	0.0	0.1
	0.8	0.9	0.7
	0.7	0.4	0.2
	0.4	0.4	0.4
	0.1	0.0	0.1
	<u>2.8</u>	<u>2.9</u>	<u>2.7</u>
	4.9	4.6	4.2
Total Operating Expenses	27.2	27.9	27.0
Operating Profit Other Income Interest Expense Other Non-operating Expenses Profit Before Taxes	4.1 0.0 0.1 <u>0.0</u> 4.0	4.2 0.5 0.0 0.0 4.7	2.7 0.2 0.3 <u>0.0</u> 2.6

	Sales Under \$10 <u>Million</u>	Sales \$10 - \$20 <u>Million</u>	Sales Over \$20 <u>Million</u>
Expenses in Relationship to GM (% of gross profit)			
Gross Margin	100.0	100.0	100.0
Personnel Expenses			
Executive Salaries & Bonuses	16.9	10.9	6.7
Sales Salaries & Commissions	22.7	24.3	27.3
Warehouse & Delivery Wages	7.4	4.7	3.7
All Other Employee Wages	<u>6.7</u>	<u>15.2</u>	<u>21.9</u>
Total Salaries, Wages & Bonuses	53.7	55.1	59.6
Payroll Taxes (FICA, workers' comp. & unemp.)	4.8	4.0	4.4
Group Insurance (medical, hospitalization, etc.)	4.4	4.7	3.0
Employee Benefits (profit sharing, pension, etc.)	<u>1.0</u>	<u>1.9</u>	<u>2.4</u>
Total Personnel Expenses	63.9	65.7	69.4
Occupancy Expenses			
Utilities (heat, light, power, water)	1.0	0.9	1.0
Telephone	1.0	0.6	0.7
Building Repairs & Maintenance	0.6	0.6	0.7
Rent or Real Estate Ownership	<u>4.8</u>	<u>4.7</u>	<u>5.0</u>
Total Occupancy Expenses	7.4	6.8	7.4
Other Operating Expenses			
Advertising & Promotion	0.3	0.0	0.3
Vehicle Expense	2.6	2.8	2.4
Insurance (business liability & casualty)	2.2	1.3	0.7
Depreciation	1.3	1.3	1.3
Bad Debt Losses	0.3	0.0	0.3
All Other Operating Expenses	<u>8.9</u>	<u>9.0</u>	<u>9.1</u>
Total Other Operating Expenses	15.6	14.4	14.1
Total Operating Expenses	86.9	86.9	90.9
Operating Profit	13.1	13.1	9.1
Other Income	0.0	1.5	0.7
Interest Expense	0.3	0.0	1.0
Other Non-operating Expenses	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
Profit Before Taxes	12.8	14.6	8.8

	Sales Under \$10 Million	Sales \$10 - \$20 <u>Million</u>	Sales Over \$20 Million
Typical Total \$ Assets	2,281,875	6,149,494	11,128,338
Balance Sheet (% of assets)			
Assets			
Cash & Marketable Securities	8.2	21.1	2.2
Trade Accounts Receivable	49.4	42.6	54.6
Inventory	30.9	19.8	28.5
Other Current Assets	<u>2.0</u>	3.4	<u>2.5</u>
Total Current Assets	90.5	86.9	87.8
Fixed & Noncurrent Assets Total Assets	<u>9.5</u> 100.0	<u>13.1</u> 100.0	<u>12.2</u> 100.0
	100.0	100.0	100.0
Liabilities and Net Worth Trade Accounts Payable	19.6	12.2	28.6
Notes Payable	10.5	5.7	2.5
Other Current Liabilities	9. <u>5</u>	13.6	21.2
Total Current Liabilities	39.6	31.5	52.3
Long Term Liabilities	4.9	0.0	5.0
Net Worth or Owner Equity	<u>55.5</u>	<u>68.5</u>	<u>42.7</u>
Total Liabilities & Net Worth	100.0	100.0	100.0
Financial Ratios			
Current Ratio	2.2	3.3	1.7
Quick Ratio	1.5	2.1	1.4
Accounts Payable to Inventory (%)	35.2	35.2	70.3
Accounts Payable Payout Period (days)	18.3	15.1	32.6
Debt to Equity	0.6	0.5	1.3
EBIT to Total Assets (%)	13.0	15.2	8.2
Times Interest Earned	21.1	10.2	8.0
Asset Productivity			
Cash Sales (% of total sales)	8.0	4.0	1.5
Average Collection Period (days)	69.8 0.1	63.1 0.0	74.7
Bad Debt Losses (% of net sales) Inventory Turnover	5.4	7.9	0.1 6.8
Inventory Holding Period (days)	67.8	46.3	53.9
Sales to Inventory Ratio	8.7	11.8	10.1
Gross Margin Return on Inventory (%)	290.6	370.2	336.9
Sales Path (% of sales)			
Warehouse Sales	90.0	90.0	88.5
Direct Shipments	10.0	<u>10.0</u>	<u>11.5</u>
Total Sales	100.0	100.0	100.0
Cash Flow Cycle			
Average Collection Period (days)	69.8	63.1	74.7
Plus Inventory Holding Period (days)	<u>67.8</u>	<u>46.3</u>	<u>53.9</u>
Gross Cash Flow (days)	137.6	109.4	128.6
Minus A/P Payout Period (days)	<u>18.3</u>	<u>15.1</u>	<u>32.6</u>
Cash Cycle (days)	119.3	94.3	96.0
Growth & Cash Sufficiency			
Growth Potential Index (%)	17.7	3.5	10.8
Cash to Current Liabilities (%)	8.6	60.7	2.9
Defensive Interval (days)	20.7	96.0	5.0
Sales to Working Capital	6.8	5.1	7.5

	Sales	Sales	Sales
	Under \$10	\$10 - \$20	Over \$20
	<u>Million</u>	<u>Million</u>	<u>Million</u>
Shipments Received (monthly avg.) Sales \$ per Shipment Received	223	400	600
	2,660	2,799	3,205
Stockkeeping Units (SKUs) Sales \$ per SKU Inventory \$ per SKU	1,005	1,326	2,500
	6,780	11,805	10,342
	555	904	943
Customers	136	299	550
Sales \$ per Customer	43,006	56,173	78,346
Orders Shipped (monthly avg.) Sales \$ per Order	280	575	1,200
	2,494	2,313	2,308
Lines per Order (avg.)	6.0	9.5	8.0
Sales \$ per Order Line	492	313	302
Product Sales (% of sales) Builders Hardware Electronic Hardware Metal Doors & Related Products Wood Doors & Frames Toilet Accessories & Partitions Other Total Sales	46.9	46.8	41.0
	4.7	5.9	4.7
	20.7	23.9	20.4
	18.4	15.9	15.3
	3.9	3.1	3.8
	<u>5.4</u>	<u>4.4</u>	14.8
	100.0	100.0	100.0
Type of Sale (% of sales) Contract Jobs Non-Contract Sales Total Sales	68.9	69.0	71.0
	<u>31.1</u>	<u>31.0</u>	<u>29.0</u>
	100.0	100.0	100.0
Manufacturers Sales \$ per Manufacturer	73	160	200
	97,229	105,574	207,769
FTE Employees Sales \$ per Employee Gross Margin \$ per Employee Salary \$ per Employee Payroll \$ per Employee Payroll Expense (% of sales) Benefits (% of total payroll) Personnel Productivity Ratio	21.0	47.5	101.0
	268,440	368,821	315,794
	86,116	105,715	101,498
	55,422	65,912	57,976
	64,426	78,217	74,928
	22.7	23.8	23.5
	15.9	16.3	13.7
	63.9	65.7	69.4
Direct Labor Employees Firms With Direct Labor Employees (% of firms) Direct Labor FTEs (at firms with them)	84.6	75.0	75.0
	5.0	15.0	21.0

To analyze regional performance, firms were grouped into the following DHI regions plus Canada. Use caution when evaluating results with small samples. Results are suppressed for regions with insufficient samples.

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Northeastern Connecticut, Delaware, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania (Harrisburg and east), Rhode Island,

Vermont

Southeastern Alabama, Arkansas, Bahaman Islands, District of Columbia, Florida, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma,

Panama, Puerto Rico, South Carolina, Tennessee, Texas (except El Paso), Virginia

North Central Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Montana (Miles City and north, east of Great Falls), Nebraska,

North Dakota, Ohio, Pennsylvania (West of Harrisburg), South Dakota, West Virginia, Wisconsin

Western Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana (south of Miles City, east of Butte), Nevada, New Mexico, Oregon,

Texas (El Paso only), Utah, Washington, Wyoming

Number of Firms Reporting 3		North- <u>eastern</u>	South- <u>eastern</u>	North <u>Central</u>	<u>Western</u>	<u>Canada</u>
Sales Change (2014 to 2015 %) 2,7 6,1 2,3 3,8 Income Statement (% of sales) Net Sales	Number of Firms Reporting	3	11	21	4	5
Net Sales 100.0 100.0 100.0 100.0 Cost of Goods Sold 3.3 59.6 63.3 Direct Labor 2.7 2.8 3.1 1.8 Other Cost of Goods Sold 70.6 70.6 70.4 68.9 65.4 Gross Margin 29.4 29.6 31.1 34.6 Personnel Expenses 2 2.2 3.0 N/A 68.9 65.4 Gross Margin 29.4 29.6 31.1 34.6 65.4 Personnel Expenses 2 2 2.0 31.1 34.6 65.4 67.2 9.3 1.1 34.6 65.4 67.2 9.3 1.3 1.4 8.1 1.4 1.5 N.A 9.8 <th< td=""><td>* ·</td><td></td><td></td><td></td><td></td><td></td></th<>	* ·					
Cost of Goods Sold Materials 65.6 66.9 59.6 63.3	Income Statement (% of sales)					
Materials 65.6 66.9 59.6 63.3 Direct Labor 2.7 2.8 3.1 1.8 Other Cost of Goods Sold 70.6 70.4 68.9 65.4 Gross Margin 29.4 29.6 31.1 34.6 Personnel Expenses 8 8 8.7 3.0 N/A 2.1 Sales Salaries & Bonuses 3.7 3.0 N/A 9.8 Warehouse & Delivery Wages 1.4 1.5 N/A 1.8 Mal Other Employee Wages 1.4 1.5 N/A 1.9 Total Salaries, Wages & Bonuses 16.3 15.1 17.0 20.9 Payroll Taxes (FicA, workers' comp. & unemp.) 1.3 1.4 2.1 1.5 Group Insurance (medical, hospitalization, etc.) 1.6 1.4 1.4 0.5 Employee Benefits (proit sharing, pension, etc.) 0.2 0.8 0.8 0.7 Total Parsonnel Expenses 19.4 18.7 21.3 23.6 Occupancy Expenses 19.4	Net Sales		100.0	100.0	100.0	100.0
Direct Labor 2.7 2.8 3.1 1.8 Other Cost of Goods Sold 2.3 0.7 6.2 0.3 Total Cost of Goods Sold 70.6 70.4 68.9 65.4 Gross Margin 29.4 29.6 31.1 34.6 Personnel Expenses Executive Salaries & Bonuses 3.7 3.0 N/A 2.1 Sales Salaries & Commissions 7.7 4.8 N/A 9.8 Warehouse & Delivery Wages 1.4 1.5 N/A 1.1 All Other Employee Wages 3.5 5.8 N/A 7.9 Total Salaries, Wages & Bonuses 16.3 15.1 17.0 20.9 Payroll Taxes (FICA, workers' comp. & unemp.) 1.3 1.4 2.1 1.5 Group Insurance (medical, hospitalization, etc.) 1.6 1.4 1.4 0.5 Employee Benefits (profit staning, persion, etc.) 0.2 0.8 0.8 0.7 Total Personnel Expenses 19.4 18.7 21.3 23.6 Occupancy Expenses			05.0		50.0	22.2
Other Cost of Goods Sold 2.3 0.7 6.2 0.3 Total Cost of Goods Sold 70.6 70.4 68.9 65.4 Gross Margin 29.4 29.6 31.1 34.6 Personnel Expenses Executive Salaries & Bonuses 3.7 3.0 N/A 2.1 Sales Salaries & Commissions 7.7 4.8 N/A 9.8 Warehouse & Delivery Wages 1.4 1.5 N/A 1.1 All Other Employee Wages 3.5 5.8 N/A 7.9 Total Salaries, Wages & Bonuses 16.3 15.1 17.0 20.9 Payroll Taxes (FicA, workers' comp. & unemp.) 1.3 1.4 1.4 0.5 Group Insurance (medical, hosptalization, etc.) 1.6 1.4 1.4 0.5 Employee Benefits (profit sharing, pension, etc.) 0.2 0.8 0.8 0.7 Total Personnel Expenses 0.9 0.8 0.7 0.3 0.3 0.2 0.3 Utilities (heat, light, power, water) 0.3 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
Total Cost of Goods Sold 70.6 70.4 68.9 65.4 Gross Margin 29.4 29.6 31.1 34.6 Personnel Expenses Executive Salaries & Bonuses Executive Salaries & Bonuses 3.7 3.0 N/A 2.1 Sales Salaries & Commissions 7.7 4.8 N/A 9.8 Warehouse & Delivery Wages 1.4 1.5 N/A 1.1 All Other Employee Wages 3.5 5.8 N/A 7.9 Total Salaries, Wages & Bonuses 16.3 15.1 17.0 20.9 Payroll Taxes (FICA, workers' comp, & unemp.) 1.3 1.4 2.1 1.5 Group Insurance (medical, hospitalization, etc.) 1.6 1.4 1.4 0.5 Employee Benefits (profit sharing, pension, etc.) 1.2 0.8 0.8 0.7 Total Personnel Expenses 19.4 18.7 21.3 23.6 Occupancy Expenses 19.4 18.7 21.3 23.6 Utilities (heat, light, power, water) 0.3 0.3 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Personnel Expenses Secutive Salaries & Bonuses Secutive Salaries & Bonuses Secutive Salaries & Bonuses Secutive Salaries & Commissions Secutive Salaries &						
Executive Salaries & Bonuses 3.7 3.0 N/A 2.1	Gross Margin		29.4	29.6	31.1	34.6
Sales Salaries & Commissions 7.7 4.8 N/A 9.8 Warehouse & Delivery Wages 1.4 1.5 N/A 7.9 Total Salaries, Wages & Bonuses 16.3 15.1 17.0 20.9 Payroll Taxes (FICA, workers' comp. & unemp.) 1.3 1.4 2.1 1.5 Group Insurance (medical, hospitalization, etc.) 1.6 1.4 1.4 0.5 Employee Benefits (profit sharing, pension, etc.) 0.2 0.8 0.8 0.7 Total Personnel Expenses 19.4 18.7 21.3 23.6 Occupancy Expenses 19.4 18.7 21.3 23.6 Occupancy Expenses 19.4 18.7 21.3 23.6 Occupancy Expenses 0.2 0.2 0.2 0.3 Utilities (heat, light, power, water) 0.3 0.3 0.2 0.3 Building Repairs & Maintenance 0.2 0.2 0.2 0.2 0.2 Rent or Real Estate Ownership 1.6 1.5 0.8 0.9 0.9						
Warehouse & Delivery Wages 1.4 1.5 N/A 1.1 All Other Employee Wages 3.5 5.8 N/A 7.9 Total Salaries, Wages & Bonuses 16.3 15.1 17.0 20.9 Payroll Taxes (FICA, workers' comp. & unemp.) 1.3 1.4 2.1 1.5 Group Insurance (medical, hospitalization, etc.) 1.6 1.4 1.4 0.5 Employee Benefits (profit sharing, pension, etc.) 0.2 0.8 0.8 0.7 Total Personnel Expenses 19.4 18.7 21.3 23.6 Occupancy Expenses 19.4 18.7 21.3 23.6 Occupancy Expenses 0.2 0.2 0.2 0.2 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.3 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.4 0.0 0.0 0.0 0.0 0.0 0.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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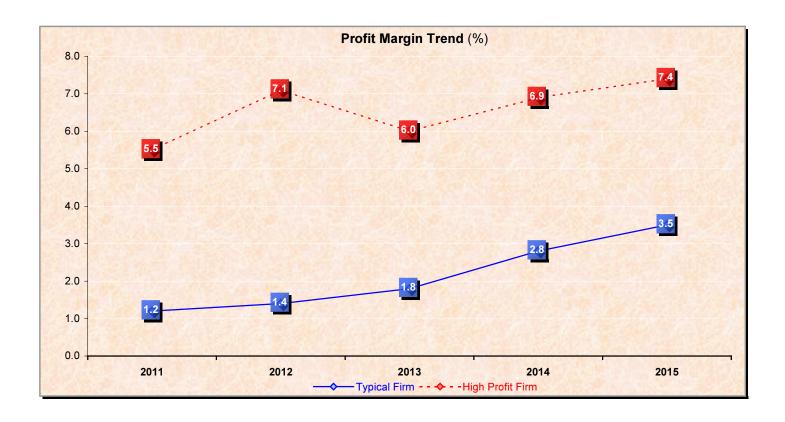
	North-	South-	North		
	<u>eastern</u>	<u>eastern</u>	<u>Central</u>	Western	<u>Canada</u>
Number of Firms Reporting	3	11	21	4	5
Expenses in Relation to GM (% of gross profit)					
Gross Margin		100.0	100.0	100.0	100.0
Personnel Expenses					
Executive Salaries & Bonuses		12.6	10.1	N/A	6.1
Sales Salaries & Commissions		26.2	16.2	N/A	28.3
Warehouse & Delivery Wages		4.8	5.1	N/A	3.2
All Other Employee Wages		<u>11.9</u>	<u>19.6</u>	N/A	<u>22.8</u>
Total Salaries, Wages & Bonuses		55.5	51.0	54.6	60.4
Payroll Taxes (FICA, workers' comp. & unemp.)		4.4	4.7	6.7	4.3
Group Insurance (medical, hospitalization, etc.)		5.4	4.7	4.5	1.4
Employee Benefits (profit sharing, pension, etc.)		<u>0.7</u>	<u>2.7</u>	<u>2.7</u>	<u>2.0</u>
Total Personnel Expenses		66.0	63.1	68.5	68.1
Occupancy Expenses					
Utilities (heat, light, power, water)		1.0	1.0	0.6	0.9
Telephone		0.7	0.7	0.6	0.9
Building Repairs & Maintenance		0.7	0.7	0.6	1.2
Rent or Real Estate Ownership		<u>5.4</u>	<u>5.1</u>	<u>2.7</u>	<u>2.6</u>
Total Occupancy Expenses		7.8	7.5	4.5	5.6
Other Operating Expenses					
Advertising & Promotion		0.3	0.3	0.3	0.9
Vehicle Expense		2.4	2.7	2.9	4.6
Insurance (business liability & casualty)		1.7	1.4	1.9	0.6
Depreciation		2.1	1.0	1.3	0.9
Bad Debt Losses		0.0	0.3	0.0	0.3
All Other Operating Expenses		<u>8.5</u>	9.8	<u>5.8</u>	9.2
Total Other Operating Expenses		15.0	15.5	12.2	16.5
Total Operating Expenses		88.8	86.1	85.2	90.2
Operating Profit		11.2	13.9	14.8	9.8
Other Income		1.7	0.7	1.3	0.0
Interest Expense		0.3	1.0	0.3	2.0
Other Non-operating Expenses		<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>1.4</u>
Profit Before Taxes		12.6	13.6	15.8	6.4
Strategic Profit Model Ratios					
Profit Margin (pre-tax %)		3.7	4.0	4.9	2.2
Asset Turnover		2.7	2.8	2.8	2.0
Return on Assets (pre-tax %)		10.0	11.2	13.7	4.4
Financial Leverage		1.8	1.6	1.2	2.5
Return on Net Worth (pre-tax %)		18.0	17.9	16.4	11.0

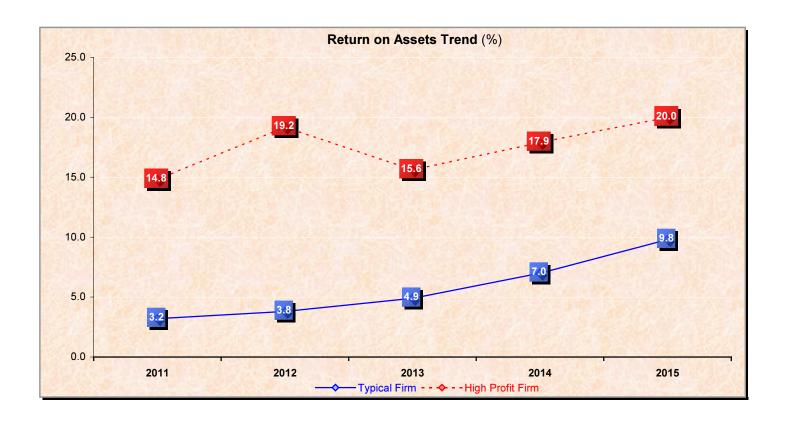
Salance Sheet (% of assets) Sala		North- eastern	South- <u>eastern</u>	North <u>Central</u>	<u>Western</u>	<u>Canada</u>
Salance Sheet (% of assets) Assets Salance Sheet (% of assets) Assets Salance Sheet (% of assets) Salance Sheet (%	Number of Firms Reporting	3	11	21	4	5
Cash & Marketable Securities	Typical Total \$ Assets		4,369,003	6,979,168	4,805,946	12,054,404
Cash & Marketable Securities 12 2 5.4 172 2 2 1 Trade Accounts Receivable 490 53.7 46.3 51.2 Inventory 22.7 27.6 26.2 33.5 Other Current Assets 4.3 20 2 2.3 4.8 Total Current Assets 11.8 11.3 8.0 8.4 7.9 9.0 15.6 Fixed & Noncurrent Assets 11.8 11.3 8.0 8.4 Total Assets 100.0	Balance Sheet (% of assets)					
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Inventiory						
Other Current Assets 4.3 2.0 2.3 4.8 Fixed & Noncurrent Assets 11.8 11.3 8.0 8.4 Total Assets 100.0 100.0 100.0 100.0 Izabilities and Net Worth Trade Accounts Payable 21.7 11.3 4.6 24.7 Notes Payable 4.3 9.3 1.9 7.2 Other Current Liabilities 12.9 9.8 7.1 28.7 Total Current Liabilities 4.9 5.5 2.9 0.0 Net Worth or Owner Equity 56.2 64.1 33.5 39.4 Total Liabilities & Net Worth 100.0 100.0 100.0 100.0 Net Worth or Owner Equity 56.2 64.1 33.5 39.4 Total Liabilities & Net Worth 100.0 100.0 100.0 100.0 Rest Worth or Owner Equity 56.2 64.1 33.5 39.4 Total Liabilities & Net Worth 100.0 100.0 100.0 100.0 Current Ratio 2.1						
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Other Current Liabilities 12.9 9.8 7.1 28.7 Total Current Liabilities 38.9 30.4 13.6 60.6 Long Term Liabilities 4.9 5.5 2.9 0.0 Net Worth or Owner Equity 56.2 64.1 83.5 39.4 Total Liabilities & Net Worth 100.0 100.0 100.0 100.0 Financial Ratios Current Ratio 2.1 2.5 5.3 1.5 Quick Ratio 1.7 1.5 3.4 0.9 Accounts Payable but neventory (%) 65.4 32.6 22.2 112.4 Accounts Payable Payout Period (days) 21.5 16.7 11.9 49.4 Debt to Equity 0.8 0.5 0.2 1.5 EISIT to Total Assets (%) 11.0 12.4 15.0 6.1 Times Interest Earned 8.0 0.5 0.2 1.5 Asset Productivity 8.0 3.0 3.5 5.0 Cash Sales (% of total sales) 0.0	•					
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Gross Margin Return on Inventory (%) 378.3 288.7 333.9 270.7 Sales Path (% of sales) 90.0 90.0 92.5 100.0 Direct Shipments 10.0 10.0 10.0 7.5 0.0 Total Sales 100.0 100.0 100.0 100.0 100.0 Cash Flow Cycle Variage Collection Period (days) 72.4 65.9 67.5 86.3 Plus Inventory Holding Period (days) 38.0 58.1 48.1 77.8 Gross Cash Flow (days) 110.4 124.0 115.6 164.1 Minus A/P Payout Period (days) 21.5 16.7 11.9 49.4 Cash Cycle (days) 88.9 107.3 103.7 114.7 Growth & Cash Sufficiency 88.9 107.3 103.7 114.7 Growth Potential Index (%) N/A 17.7 N/A 6.1 Cash to Current Liabilities (%) 26.8 7.2 80.6 4.2 Defensive Interval (days) 56.5 9.4 75.4 8.5	Inventory Holding Period (days)					77.8
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Direct Shipments 10.0 10.0 7.5 0.0 Total Sales 100.0 100.0 100.0 100.0 Cash Flow Cycle Average Collection Period (days) 72.4 65.9 67.5 86.3 Plus Inventory Holding Period (days) 38.0 58.1 48.1 77.8 Gross Cash Flow (days) 110.4 124.0 115.6 164.1 Minus A/P Payout Period (days) 21.5 16.7 11.9 49.4 Cash Cycle (days) 88.9 107.3 103.7 114.7 Growth & Cash Sufficiency Growth Potential Index (%) N/A 17.7 N/A 6.1 Cash to Current Liabilities (%) 26.8 7.2 80.6 4.2 Defensive Interval (days) 56.5 9.4 75.4 8.5	,					
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Plus Inventory Holding Period (days) 38.0 58.1 48.1 77.8 Gross Cash Flow (days) 110.4 124.0 115.6 164.1 Minus A/P Payout Period (days) 21.5 16.7 11.9 49.4 Cash Cycle (days) 88.9 107.3 103.7 114.7 Growth & Cash Sufficiency Growth Potential Index (%) N/A 17.7 N/A 6.1 Cash to Current Liabilities (%) 26.8 7.2 80.6 4.2 Defensive Interval (days) 56.5 9.4 75.4 8.5						
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Growth & Cash Sufficiency Growth Potential Index (%) N/A 17.7 N/A 6.1 Cash to Current Liabilities (%) 26.8 7.2 80.6 4.2 Defensive Interval (days) 56.5 9.4 75.4 8.5	· · · · · · · · · · · · · · · · · · ·					
Growth Potential Index (%) N/A 17.7 N/A 6.1 Cash to Current Liabilities (%) 26.8 7.2 80.6 4.2 Defensive Interval (days) 56.5 9.4 75.4 8.5	• • • • • • • • • • • • • • • • • • • •					
Cash to Current Liabilities (%) 26.8 7.2 80.6 4.2 Defensive Interval (days) 56.5 9.4 75.4 8.5			N/A	17 7	N/A	6 1
Defensive Interval (days) 56.5 9.4 75.4 8.5	* *					
	, ,					
	Sales to Working Capital		5.6	5.5	4.1	8.0

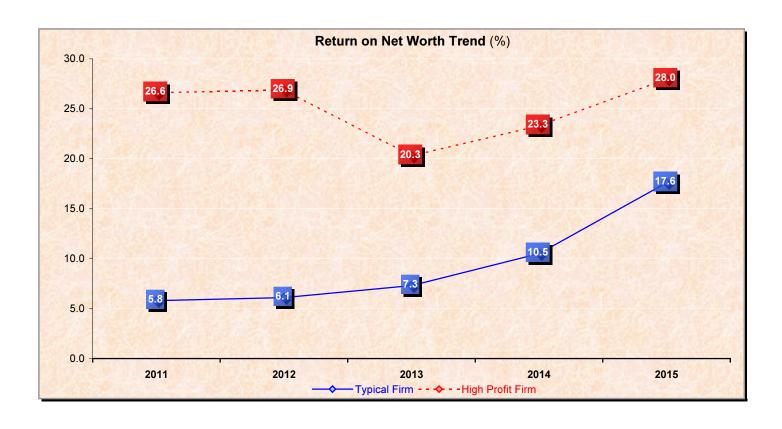
	North- <u>eastern</u>	South- eastern	North <u>Central</u>	<u>Western</u>	<u>Canada</u>
Number of Firms Reporting	3	11	21	4	5
Shipments Received (monthly avg.) Sales \$ per Shipment Received		326 2,838	237 3,101	N/A N/A	N/A N/A
Stockkeeping Units (SKUs) Sales \$ per SKU Inventory \$ per SKU		494 23,173 1,196	1,580 6,824 656	1,924 9,009 678	N/A N/A N/A
Customers Sales \$ per Customer		195 69,331	354 54,050	150 134,180	636 57,980
Orders Shipped (monthly avg.) Sales \$ per Order Lines per Order (avg.) Sales \$ per Order Line		300 3,437 12.4 492	1,000 1,954 6.0 293	N/A N/A N/A N/A	2,402 1,676 N/A N/A
Product Sales (% of sales) Builders Hardware Electronic Hardware Metal Doors & Related Products Wood Doors & Frames Toilet Accessories & Partitions Other Total Sales		39.0 6.4 22.9 20.2 5.0 6.5 100.0	44.2 4.6 20.9 15.7 3.3 11.3 100.0	50.1 3.3 22.5 14.8 1.3 8.0 100.0	55.0 5.5 19.4 8.9 5.3 5.9 100.0
Type of Sale (% of sales) Contract Jobs Non Contract Sales Total Sales		80.0 <u>20.0</u> 100.0	65.5 34.5 100.0	63.5 36.5 100.0 N/A	63.1 36.9 100.0
Manufacturers Sales \$ per Manufacturer		66,440	123,815	N/A N/A	319,775
Employees (FTE) Sales \$ per Employee Gross Margin \$ per Employee Salary \$ per Employee Payroll \$ per Employee Payroll Expense (% of sales) Benefits (% of total payroll) Personnel Productivity Ratio		40.0 287,982 86,116 52,123 60,908 22.1 15.7 66.0	51.0 327,203 104,433 58,037 74,928 21.5 17.1 63.1	39.5 341,306 103,951 67,044 85,038 24.4 15.9 68.5	98.0 312,590 103,550 63,432 70,270 25.4 10.4 68.1
Direct Labor Employees Firms With Direct Labor Employees (% of firms) Direct Labor FTEs (at firms with them)		70.0 16.0	81.0 10.0	N/A N/A	75.0 N/A

The following graphs present trends for key ratios complied from prior survey results.









These tables present five-year trends for selected ratios. Historical data were compiled from prior reports. Different members may have participated each year so the results do not represent a consistent sample.

	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
Number of Firms Reporting	46	47	43	42	45
Typical \$ Sales Volume Sales Change (% from prior year)	12,839,338 3.1	12,597,940 -0.2	15,615,088 9.8	16,309,393 3.7	16,603,633 4.7
Strategic Profit Model Ratios					
Profit Margin (pre-tax %)	1.2	1.4	1.8	2.8	3.5
Asset Turnover	2.7	2.7	2.7	2.5	2.8
Return on Assets (pre-tax %)	3.2	3.8	4.9	7.0	9.8
Financial Leverage	1.8	1.6	1.5	1.5	1.8
Return on Net Worth (pre-tax %)	5.8	6.1	7.3	10.5	17.6
Income Statement (% of sales)					
Net Sales	100.0	100.0	100.0	100.0	100.0
Cost of Goods Sold					
Materials	N/A	N/A	67.0	67.0	65.0
Direct Labor	N/A	N/A	2.4	1.9	2.8
Other Cost of Goods Sold	<u>N/A</u>	<u>N/A</u>	0.4	<u>0.6</u>	<u>1.4</u>
Cost of Goods Sold	72.1	70.1	69.8	69.5	69.2
Gross Margin	27.9	29.9	30.2	30.5	30.8
Personnel Expenses					
Executive Salaries & Bonuses	3.3	3.1	3.2	3.2	3.2
Sales Salaries & Commissions	7.5	6.8	7.6	6.6	8.1
Warehouse & Delivery Wages	1.5	1.9	1.9	1.5	1.4
All Other Employee Wages	4.4 16.7	<u>5.1</u>	3.7	<u>5.6</u>	4.6
Total Salaries, Wages & Bonuses	16.7 1.5	16.9 1.6	16.4 1.6	16.9 1.5	17.3 1.5
Payroll Taxes (FICA, workers' comp. & unemp.) Group Insurance (medical, hospitalization, etc.)	1.1	1.4	1.4	1.4	1.3
Employee Benefits (profit sharing, pension, etc.)	0.4	0.4	0.5	<u>0.6</u>	0.5
Total Personnel Expenses	1 <u>9.7</u>	2 0.4	1 <u>9.9</u>	2 <u>0.4</u>	2 <u>0.5</u>
Occupancy Expenses					
Utilities (heat, light, power, water)	0.3	0.3	0.3	0.3	0.3
Telephone	0.3	0.3	0.3	0.2	0.2
Building Repairs & Maintenance	0.2	0.2	0.2	0.2	0.2
Rent or Real Estate Ownership	<u>1.4</u>	<u>2.0</u>	<u>2.0</u>	<u>1.8</u>	<u>1.5</u>
Total Occupancy Expenses	2.2	2.8	2.8	2.5	2.2
Other Operating Expenses					
Advertising & Promotion	0.1	0.1	0.1	0.0	0.1
Vehicle Expenses	0.9	1.1	1.0	1.0	0.9
Insurance (business liability & casualty)	0.3	0.3	0.4	0.4	0.4
Depreciation	0.4	0.6	0.6	0.4	0.4
Bad Debt Losses	0.1	0.0	0.1	0.1	0.1
All Other Operating Expenses Total Other Operating Expenses	<u>2.9</u> 4.7	3.0 5.1	<u>3.3</u> 5.5	<u>2.7</u> 4.6	<u>2.8</u> 4.7
• •	26.6	28.2	28.2	4.0 27.5	27.4
Total Operating Expenses					
Operating Profit Other Income	1.3 0.2	1.7 0.1	2.0 0.2	3.0 0.2	3.4 0.2
Interest Expense	0.2	0.4	0.4	0.4	0.2
Other Non-operating Expenses	<u>0.0</u>	0.0 0.0	<u>0.0</u>	0. 4 0.0	0.1 0.0
Profit Before Taxes	1.2	1.4	1.8	2.8	3.5

	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
Typical Total \$ Assets	4,755,310	4,665,904	5,783,366	6,523,757	5,929,869
Assets (% of assets)					
Cash & Marketable Securities	6.9	7.2	8.0	9.3	8.3
Trade Accounts Receivable	47.4	53.4	50.4	47.1	50.5
Inventory	29.9	25.2	24.0	28.7	28.1
Other Current Assets	<u>2.4</u>	<u>2.1</u>	<u>3.1</u>	<u>1.9</u>	<u>2.3</u>
Total Current Assets	86.6	8 7 .9	8 5 .5	8 7 .0	89.2
Fixed & Noncurrent Assets	<u>13.4</u>	<u>12.1</u>	<u>14.5</u>	<u>13.0</u>	<u>10.8</u>
Total Assets	100.0	100.0	100.0	100.0	100.0
Liabilities and Net Worth (% of sales)					
Trade Accounts Payable	19.9	21.9	16.9	19.6	21.9
Notes Payable	9.7	3.0	5.2	3.6	4.9
Other Current Liabilities	9.5	6.4	<u>7.5</u>	<u>8.4</u>	12.0
Total Current Liabilities	39.1	31.3	29.6	31.6	38.8
Long Term Liabilities	4.0	5.3	4.5	3.1	4.3
Net Worth or Owner Equity	<u>56.9</u>	<u>63.4</u>	<u>65.9</u>	<u>65.3</u>	<u>56.9</u>
Total Liabilities & Net Worth	100.0	100.0	100.0	100.0	100.0
Financial Ratios					
Current Ratio	2.3	2.6	2.9	3.1	2.2
Quick Ratio	1.6	2.0	2.0	1.9	1.5
Accounts Payable to Inventory (%)	65.1	64.0	55.2	58.3	48.0
Accounts Payable Payout Period (days)	21.5	26.6	26.0	23.5	20.0
Debt to Equity	0.7	0.6	0.5	0.5	0.6
EBIT to Total Assets (%)	4.6	5.0	5.6	8.4	11.1
Times Interest Earned	6.9	7.4	8.2	12.8	13.8
Asset Productivity					
Cash Sales (% of total sales)	2.5	4.0	3.0	3.0	4.0
Average Collection Period (days)	60.6	63.2	65.2	68.9	69.8
Bad Debt Losses (% of net sales)	0.1	0.0	0.1	0.1	0.1
Inventory Turnover	7.4	7.1	7.7	6.8	6.5
Inventory Holding Period (days)	49.6	51.6	47.4	53.8	55.9
Sales to Inventory Ratio	10.4	11.0	11.3	10.1	9.6
Gross Margin Return on Inventory (%)	315.6	330.6	338.4	289.2	311.6
Cash Flow Cycle					
Average Collection Period (days)	60.6	63.2	65.2	68.9	69.8
Plus Inventory Holding Period (days)	<u>49.6</u>	<u>51.6</u>	<u>47.4</u>	<u>53.8</u>	<u>55.9</u>
Gross Cash Flow (days)	110.2	114.8	112.6	122.7	125.7
Minus A/P Payout Period (days)	<u>21.5</u>	<u>26.6</u>	<u>26.0</u>	<u>23.5</u>	<u>20.0</u>
Cash Cycle (days)	88.7	88.2	86.6	99.2	105.7
Growth & Cash Sufficiency					
Growth Potential Index (%)	5.9	7.4	6.7	9.3	16.1
Cash to Current Liabilities (%)	11.0	14.2	6.6	12.5	6.6
Defensive Interval (days)	24.6	28.1	18.0	23.5	14.1
Sales to Working Capital	5.0	5.5	4.9	4.9	5.6

	<u>2011</u>	2012	2013	<u>2014</u>	<u>2015</u>
Shipments Received (monthly avg.)	215	228	395	315	280
Sales \$ per Shipment Received	2,519	2,558	2,452	2,834	2,833
Stockkeeping Units (SKUs)	1,165	1,200	1,273	1,532	1,320
Sales \$ per SKU	8,286	6,328	7,691	8,419	9,800
Inventory \$ per SKU	778	586	730	706	891
Customers	227	201	258	230	210
Sales \$ per Customer	33,606	48,357	35,871	49,070	58,628
Orders Shipped (monthly avg.)	370	387	401	360	360
Sales \$ per Order	2,139	2,081	2,210	2,340	2,401
Lines per Order (avg.)	8.0	9.0	8.0	7.0	8.0
Sales \$ per Order Line	214	297	300	347	328
Product Sales (% of sales)					
Builders Hardware	40.4	41.9	45.3	44.8	44.5
Electronic Hardware	6.0	4.8	4.8	4.8	5.1
Metal Doors & Related Products	24.2	25.8	20.1	21.4	21.5
Wood Doors & Frames	17.8	15.5	17.6	16.2	16.6
Toilet Accessories & Partitions	3.7	3.8	3.4	3.3	3.7
Other Total Sales	<u>7.9</u> 100.0	<u>8.2</u> 100.0	<u>8.8</u> 100.0	<u>9.5</u> 100.0	<u>8.6</u> 100.0
	100.0	100.0	100.0	100.0	100.0
Type of Sale (% of sales) Contract Jobs	72.0	70.0	69.0	67.0	69.5
Non Contract Sales	72.0 28.0	30.0	31.0	33.0	30.5
Total Sales	100.0	100.0	100.0	100.0	100.0
Manufacturers Sales \$ per Manufacturer	101 123,785	107 98,905	125 102,064	147 102,591	150 112,351
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FTE Employees	39	39	45.0	46.5	47.0
Sales \$ per Employee	303,149	306,186	324,648	318,745 97,775	314,323
Gross Margin \$ per Employee Salary \$ per Employee	84,500 48,161	97,617 51,198	96,319 59,600	56,028	103,474 57,282
Payroll \$ per Employee	57,070	60,694	72,302	69,518	74,552
Payroll Expense (% of sales)	19.7	20.3	22.3	22.3	23.3
Benefits (% of total payroll)	16.7	16.5	15.1	16.0	15.6
Personnel Productivity Ratio	70.6	67.9	66.0	66.9	66.6
Direct Labor Employees					
Firms With Direct Labor Employees (% of firms)	N/A	N/A	73.7	70.6	78.0
Direct Labor FTEs (at firms with them)	N/A	N/A	9.5	12.0	11.5

Ratio Calculation

Ratio	<u>Calculation</u>	Comment		
Accounts Payable Payout Period (days)	Accounts Payable Cost of Goods Sold ÷ 365 days	Measures the promptness of paying suppliers		
Accounts Payable to Inventory	Accounts Payable x 100 Year-end Inventory	Measures the percent of inventory financed by suppliers of that inventory		
Average Collection Period (days)	Accounts Receivable Credit Sales ÷ 365 days	Measures the promptness of paying suppliers		
Asset Turnover	Net Sales Total Assets	Measures sales generated per dollar of assets		
Cash Cycle (days)	Avg. Collection Period + Inventory Holding Period – Accounts Payable Payout Period	Days invested in a product from purchase until the sales invoice is collected		
Cash to Current Liabilities	Cash x 100 Current Liabilities	Measures ability to pay short-term debt with cash		
Current Ratio	Current Assets Current Liabilities	Measures ability to pay short-term debt with current assets		
Debt to Equity	Total Liabilities Net Worth	Measures balance between debt and owner equity		
Defensive Interval (days)	Cash (Operating Expenses – Depreciation) ÷ 365 days	Measures how long the firm can operate on existing cash balances		
EBIT to Total Assets	(Profit Before Taxes + Interest) x 100 Total Assets	Measures earnings from operations before interest and taxes as a percent of total assets		
Financial Leverage	<u>Total Assets</u> Net Worth	Measures assets financed per dollar of net worth		
Gross Margin	Gross Profit Dollars Net Sales	Measures profitability after the costs of making or buying the product are subtracted from sales		
Gross Margin Return on Inventory	Warehouse Gross Profit x 100 Inventory	Measures gross margin earned per dollar of inventory		

Ratio Calculation

<u>Ratio</u>	<u>Calculation</u>	<u>Comment</u>		
Inventory Holding Period (days)	365 days Inventory Turnover	Measures the number of days inventory is typically held in stock		
Inventory Turnover	Warehouse Cost of Goods Sold Inventory	Measures the number of times the entire inventory stock is sold per year		
Growth Potential Index	Profit After Taxes x 100 AR + Inventory – AP	Measures how fast the firm can grow using internally generated funds		
Personnel Productivity Ratio	Payroll Expense x 100 Gross Profit	Measures payroll expense as a percent of gross margin earned		
Profit Margin	Profit Before Taxes x 100 Net Sales	Measures profit earned as a percentage of net sales		
Quick Ratio	Cash + Accounts Receivable Current Liabilities	Measures the ability to pay short-term debt with assets that can be converted to cash most quickly		
Return on Assets	Profit Before Taxes Total Assets	Measures profit earned as a percent of assets		
Return on Net Worth	Profit Before Taxes Net Worth	Measures profit earned as a percent of net worth		
Sales per Employee	Net Sales Number of FTE Employees	Measures sales generated per full-time employee		
Sales to Fixed Assets	Net Sales Net Fixed Assets	Measures the productivity of each dollar invested in fixed assets		
Sales to Inventory	Warehouse Sales Year-end Inventory	Measures dollar sales generated per dollar of inventory		
Sales to Working Capital	Net Sales Current Assets – Current Liabilities	Measures ability to generate sales without tying up working capital		
Times Interest Earned	Profit Before Taxes + Interest Interest	Measures number of times earnings will cover interest payments		