## Collective Conversations \#42:

State of the Industry \& Financial Benchmarks

## VISUAL MEDIA ALLIANCE

"Printing Industry Performance \& Insights" study


- In October - two topics
- Industry Outlook
- Interesting this year

A management topic

- Effective ways to "brand your company as a good place to work"
In May
- Financial Benchmarking


## - State of the Industry

## Average \% Revenue Change <br> for all Reporting Firms





Do our findings reflect what's happened recently in our industry?

If so, why this change in revenue growth?

## -Financial Benchmarks



## But...

- Only a small proportion of small business leaders analyze their financials
- This has not changed as accounting technology has evolved
- Develop financial analysis skills - a potential competitive advantage!
- It was for us!


## Our goal is to help you draw knowledge that will help you...

- Improve efficiency... do more with less
- Increase sustainability... mitigate business threats
- Focus on the right problems... should we focus on selling more or attacking costs?
- Make your business attractive to investors and lenders
- Improve owner return... that's your return!
- Improve profits and cash... that affects what you take home


## Financial Benchmarking

- Income statement and cost categories
- Balance sheet ratios
- Cash management indicators
- Key takeaways



## Income statements

- Eight income statement tables in our report
- We stive to identify industry segments (strategic groups
- Table 1 (see right) represents all firms in our study
- We provide "high-performers" in four of the eight tables

| All Printing Firms Included in our orvey |  |  |  |
| :---: | :---: | :---: | :---: |
|  | All Firm | High-Performers | Percentage Differences |
| Number of firms | 104 | 35 |  |
| Total Revenue | 100.00\% | 100.00\% |  |
| Materials and Outside Services |  |  |  |
| Paper and substrates | 23.08\% | 21.38\% | -7.37\% |
| Other chargeable materials | 6.99\% | 6.80\% | -2.72\% |
| Outside chargeable services | 8.44\% | 8.50\% | 0.71\% |
| Total Materials and Outside Services | 38.51\% | 36.68\% | -4.75\% |
| Factory Costs |  |  |  |
| ) Payroll including taxes and benefits | 19.61\% | 18.61\% | -5.10\% |
| Other factory costs excluding depreciation | 11.34\% | 8.85\% | -21.96\% |
| Depreciation | 4.03\% | 5.21\% | 29.28\% |
| Total Factory Costs | 34.98\% | 32.67\% | -6.60\% |
| Cost of Goods Sold | 73.49\% | 69.35\% | -5.63\% |
| Gross Profit | 26.51\% | 30.65\% | 15.62\% |
| Administrative Costs |  |  |  |
| Payroll including taxes and benefits | 7.23\% | 5.42\% | -25.03\% |
| Other administrative costs | 4.08\% | 3.43\% | -15.93\% |
| Total Administrative Costs | 11.31\% | 8.85\% | -21.75\% |
| Sales and Marketing Costs |  |  |  |
| Payroll including taxes and benefits | 6.72\% | 6.82\% | 1.49\% |
| Other sales and marketing costs | 1.14\% | 1.23\% | 7.89\% |
| Total Sales and Marketing Costs | 7.86\% | 8.05\% | 2.42\% |
| Interest | 0.78\% | 0.71\% | -8.97\% |
| Income Before Taxes | 6.56\% | 13.04\% | 98.78\% |
| EBITDA | 11.37\% | 18.96\% | 66.75\% |
| Employees per \$1mm in revenue | 4.89 | 4.79 |  |

## Income statements

- EBITDA
- (Earnings Before Interest, Taxes, Depreciation, and Amortization)
- An excellent financial benchmarking tool

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- High-performers $67 \%$ higher EBITDA percentage
- There are firms in our industry that are "ROCKING IT"!
- Little differences in cost categories "add up"!
- Other thoughts related to high-performers high EBITDA?


## Income statements

- Paper
- High-performing firms spend a smaller percentage of TOTAL revenue on paper
- Significant percentage differences, ranging from $-7.37 \%$ to -15.90\%.
- Why do you think high performers spend less on paper?
- Higher prices to customers
- Provide more complementary services
- More efficient - less waste
- Buy more inventory, which reduces prices (our cash management numbers don't support that)
- Other thoughts?

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|  | All Firms | High- <br> Performers | Percentage <br> Differences |
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| Other charqeable materials | $6.99 \%$ | $6.80 \%$ | $-2.72 \%$ |

## Income statements

- Total factory costs
- In three industry categories and in the all-firms report, high performers spent less on "factory payroll taxes and benefits" and "total factory costs"
- Why do you think high performers spend less on factory costs?
- Economies of scale
- Culture... Lean and TQM
- Revenue growth without increasing factory costs
- Other thoughts?


## Income statements

- Depreciation
- Consistently, the high performers incurred more depreciation
- Why do higher performers incur more depreciation costs?
- Owning vs. renting the building
- Investing more in new equipment
- Newer equipment
- Technology / Automation
- When considering an equipment investment
- Develop a "proforma" income statement (budget)
- Consider the financial effects (more than passion, as I did sometimes)
- More related to ROA later

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## Income statements

- Total Administrative Costs
- Consistently, the high performers incurred less administrative costs
- Almost $22 \%$ less for all firms (see right)
- Doing more with less administrative resources
- Why do high performers spend less on admin costs?
- Staff members taking on multiple roles,
- Increasing revenue without increasing admin staff
- Benefiting from technology to replace manual tasks
- Higher-quality staff
- Other thoughts?
- Why might lower-performers spend more on admin?

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All Printing Firms Included in our Survey

## Income statements

- Total Sales and Marketing Costs
- Three out of four high-performer groups spent more on sales and marketing
- This might prompt you to invest more in this cost area
- Are you "farming" or "hunting"?
- But again, consider the financial outcomes
- Best and worst outcomes

All Printing Firms Included in our Survey

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| Employees per \$1mm in revenue | 4.89 | 4.79 |  |

## Income statements

- Providing Related Services (Table 8)
- Non-print services that complement and expand the value firms provide to customers
- Name some related services
- Consistent with previous PIPI findings
- A strategic decision
- How can I add more value to what we provide customers?
- Not an easy decision.
- Consult with customers
- What do you need?
- How can we help you?
- Build a proforma (budget)
- Best and worst outcomes

General commercial printing firms - firms applying a combination of digital, sheelfed offset, and wide format, with some firms focused primarily on digital.


## Income statements

- Use the income statement financial benchmarks to assess your firm's performance!
- Look deeper at the numbers in our report than we are today!
- Like an NFL football team!
- But more importantly, use our financial reports to open your eyes to a performance improvement path!
- Where should you apply less resources... or more resources?
- More than "budgeting"... strategic planning!
- May help you avoid hubris


## Financial Benchmarking

- Income statement and cost categories
- Balance sheet ratios
- Cash management indicators
- Key takeaways



## Balance sheet ratios

- Balance sheet ratios (Table 10)
- Report shows how to calculate these ratios
- Current and Quick ratios
- High performers better
- But both groups are STRONG!
- Healthy!
- Prepared for challenges!
- Why were the current ratios so strong in April 2023?

| All Printing Firms Included in our Study |  |  |  |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
|  | Number of firms |  |  |

## Balance sheet ratios

- Balance sheet ratios (Table 10)
- Report shows how to calculate these ratios
- Total Debt-to-Total Assets (TD-to-TA)
- Total debt = total liabilities
- Which includes total liabilities, including current liabilities
- All firms TD-to-TA is a little higher than high-performers
- Which reinforces our current ratio numbers
- Long-term Debt-to-Long-term Assets
- Very close
- Use these ratios to assess how much debt you are using

All Printing Firms Included in our Study
$\left.\begin{array}{|l|c|c|c|}\hline & & & \\ \hline & \text { Number of firms } & \text { All Firms } & \text { High-Performers }\end{array} \begin{array}{c}\text { Percentage } \\ \text { Differences }\end{array}\right\}$

## Balance sheet ratios

- Balance sheet ratios (Table 10)
- Report shows how to calculate these ratios
- Return on Total Assets (ROA)
- WOW! - the difference between all firms and high-performers
- My benchmark - Mutual fund returns
- If your ROA is less than $17 \%$
- Look for ways to increase net income
- Or consider divesting some underused assets
- If you are considering investing into more assets
- Project your net income (worst and best case)
- And project your ROA with the new asset added

All Printing Firms Included in our Study

|  | All Firms | HighPerformers | Percentage Differences |
| :---: | :---: | :---: | :---: |
| Number of firms | 56 | 11 |  |
| Current Ratio | 3.31 | 3.59 | 8.46\% |
| Quick Ratio | 2.41 | 2.92 | 21.16\% |
| Revenue-to-Total Assets Ratio | 1.90 | 1.97 | 3.68\% |
| Total Debt to-Total Assets | 46.77\% | 42.38\% | -9.39\% |
| Long-term Debt-ło-Long-Term Assets | $10 \%$ | 43.48\% | . 1 |
| Return on Total Assets (ROA) | 3.14\% | 34.49\% | 162.48\% |
| Return on Equity (ROE) | .4ra | 56.84\% | 12020\% |

## Financial Benchmarking

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## Cash management indicators

- Cash management indicators (Table 11)
- Report shows how to calculate these ratios
- "CREAM"
- Cash Rules Everything Around $\underline{M} \mathbf{e}$
- Cash is KING
- Profitable, growing, companies can run out of cash

|  |  |  |  |
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|  | All Firms | High-Performers | Percentage <br> Differences |
| Number of firms | 56 | 11 |  |
| Days in Inventory | 102.28 | 85.80 | $-16.11 \%$ |
| Days in Accounts Receivable | 47.43 | 38.87 |  |
| Day in Accounts Payable | 71.56 | 61.29 | $-18.05 \%$ |
| Cash Conversion Cycle | 78.15 | 63.38 | $-14.35 \%$ |

- Three cash management indicators
- Days in Inventory
- Days in Accounts Receivable
- Days in Accounts Payable


## Cash management indicators

- Cash management indicators (Table 11)
- Report shows how to calculate these ratios
- Days in Inventory (DI)
- On average, how long does inventory sit on our shelves
- When you see inventory on shelves, see it as CASH
- High performers have shorter DI
- Given the paper environment, DI is possibly a more important measure now
- We wondered if high-performers would use their resources to buy more paper?
- Supply chain research - Rational vs. Emotional
- Accounting??
- All said, we see these DIs as high - 3 to 3.5 months of inventory


## Cash management indicators

- Cash management indicators (Table 11)
- Report shows how to calculate these ratios
- Days in Accounts Receivable (AR)
- On average, how long do our customers take to pay the invoices we send
- High performers have shorter AR

- Our approaches
- Should salespeople or admin folks contact customers about AR?


## Cash management indicators

- Cash management indicators (Table 11)
- Report shows how to calculate these ratios
- Days in Accounts Payable (AP)
- On average, how long do we take in paying our suppliers' invoices
- High performers have shorter AP
- Conflict of interest
- Higher AP increases cash in our bank account
- But a higher AP is not taking care of your suppliers
- Make rational decisions about how soon to pay bills
- From a big, and individual supplier, view
- Have proactive talks with suppliers when challenging times are coming


## Cash management indicators

- Three cash management indicators
- Days in Inventory
- Days in Accounts Receivable
- Days in Accounts Payable
- Consider assessing these continuously, every month.
- Look for trends

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## Key Takeaways and Potential Practical Applications

- High-performing firms spend less on "total materials and outside services."
- When this happens, more revenue is applied to "in-house" costs and moves to the bottom line (profit)
- High performers spend less on total factory costs
- Maybe efficiency, cutting costs, or economies of scale
- High performers incur less administrative costs
- High performers spent more on total sales and marketing costs
- Providing related services enhances performance
- If done right
- It appears that higher performers manage cash better- days in inventory, days in accounts receivable, days in accounts payable
- There are high performers in our industry, and they ROCK!
- EBITDA and ROA!
- Be a rocker!!! Use the numbers to get there!
- There's a lot more detail in our report
- BENCHMARKING - a deeper look than you see in the points we cover today!
- Compare your financial numbers to those in our report....
- ....and look for actions for improving performance!
- More to come on how to do and apply financial benchmarking


## Closing

- With more survey participation, we can provide more actionable knowledge!!
- Email me if you would like a copy of the slides -ralph.williams@mtsu.edu
- Thank you!

