Traditional View

Roberts Manufacturing Co.

| _ | <u>2006</u> | % of Sales |
|------------------------|---------------|------------|
| Sales | \$ 100,000 | 100.0% |
| Cost of Sales | 45,000 | 45.0% |
| Gross Margin | 55,000 | 55.0% |
| | | |
| SG&A | 32,000 | 32.0% |
| R&D | 8,000 | 8.0% |
| Total Expenses | 40,000 | 40.0% |
| | | |
| Operating Income | 15,000 | 15.0% |
| | | |
| Other Income (Expense) | 605 | 0.6% |
| Taxes | 4,894 | 4.9% |
| Net Income | 9,501 | 9.5% |

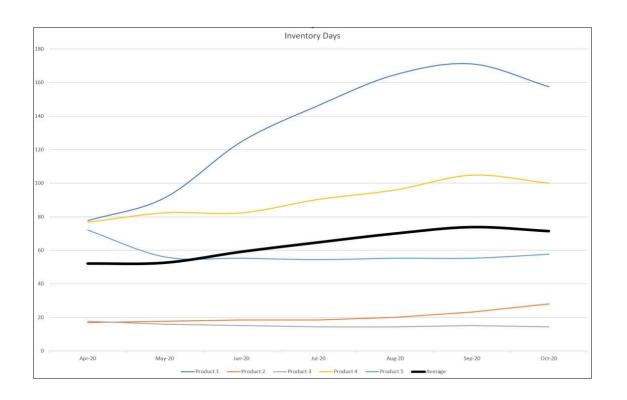
Comprehensive View

| Roberts Manufa | acturing | Co. |
|----------------|----------|-----|
|----------------|----------|-----|

| | | <u> 2017</u> | % of Sales |
|----------------------------|------|---------------|------------|
| Sales Growrth Rate: | 8.0% | | |
| Profitability Model | | | |
| Sales | | \$ 100,000 | 100.0% |
| Cost of Sales | | 45,000 | 45.0% |
| Gross Margin | | 55,000 | 55.0% |
| SG&A | | 32,000 | 32.0% |
| R&D | | 8,000 | 8.0% |
| Total Expenses | | 40,000 | 40.0% |
| Operating Income | | 15,000 | 15.0% |
| | • | · | |
| Other Income (Expense) | | 605 | 0.6% |
| Taxes | | 4,894 | 4.9% |
| Net Income | ; | 9,501 | 9.5% |
| Asset Utilization | | | |
| Days Sales Outstanding | | | 73.0 |
| Days Sales Inventory | | | 146.0 |
| Operating Capital Turnover | | | 3.4 |
| Fixed Asset Turnover | | | 5.0 |
| Intangible Turnover | | | 9.1 |
| Total Asset Turnover | | | 1.3 |
| Leverage | | | 1.4 |
| Debt to Total Capital | | | 15.3% |
| Returns | | | |
| ROE | | | 17.2% |
| ROIC | | | 15.2% |
| | | | |

Varying Business Models Under the same Roof

| | Equipn | Equipment | | Components | | | |
|----------------------------|---------------|-------------|---------------|-----------------|-----|--|--|
| | <u>Mature</u> | High Growth | <u>Mature</u> | <u>Services</u> | | | |
| Estimated Sales Growth | 5% | 15-20% | 5% | 15-20% | 3% | | |
| Gross Margin | 65% | 60% | 45% | 40% | 15% | | |
| R&D | 9% | 12% | 5% | 3% | 1% | | |
| SG&A | 40% | 35% | 30% | 18% | 5% | | |
| Operating Margins | 16% | 13% | 10% | 19% | 9% | | |
| Net Income | 10% | 8% | 7% | 12% | 6% | | |
| DSO | 60 | 60 | 50 | 45 | 75 | | |
| DSI | 120 | 90 | 70 | 50 | 0 | | |
| Other Capital Requirements | L | М | М | Н | L | | |
| Asset turnover | 3.0 | 4.0 | 5.0 | 4.0 | 8.0 | | |
| ROIC | 31% | 34% | 33% | 49% | 47% | | |



Cost and Breakeven Analysis

| Roberts Manufacturing Co | | | 2018 Variable | | |
|---|--------------|-----------------|------------------|--------------------------------|----------------------|
| Sales | <u>Fixed</u> | <u>Variable</u> | <u>% Sales</u> | <u>Total</u> 100,000 | % of Sales 100.0% |
| Cost of Sales | | | | | |
| Material | | 20,000 | 20.0% | 20,000 | 20.0% |
| Direct Labor | 12,000 | 1,000 | 1.0% | 13,000 | 13.0% |
| Overhead | 11,000 | 1,000 | 1.0% | 12,000 | 12.0% |
| Total Cost of Sales | 23,000 | 22,000 | 22.0% | 45,000 | 45.0% |
| Operating Expenses | | | | | |
| R&D | 8,000 | | | 8,000 | 8.0% |
| Selling Expense | 20,000 | | | 20,000 | 20.0% |
| Commission Expense | | 3,000 | 3.0% | 3,000 | 3.0% |
| Marketing Expense | 4,000 | | | 4,000 | 4.0% |
| G&A | 5,000 | | | 5,000 | 5.0% |
| Goodwill Amortization | | | | | 0.0% |
| Total Operating Expenses _ | 37,000 | 3,000 | 3.0% | 40,000 | 40.0% |
| Total Costs | 60,000 | 25,000 | 25.0% | 85,000 | 85.0% |
| Operating Profit | | | • | 15,000 | 15.0% |
| Variable Contribution Margin | | | 75.0% | - | |
| Breakeven Point Sales per Yea Breakeven Point Sales per We | | | | \$ 80,000 1,538 | 80.0% |

Note: Fixed costs are defined as costs fixed for the short term (i.e.; 90-180 days).

Operating Leverage Illustration

Current

| | | <u>-60%</u> | <u>-40%</u> | <u>-20%</u> | <u>Base</u> | <u>+20%</u> | <u>+40%</u> | <u>+60%</u> |
|------------------|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Sales | | 40,000 | 60,000 | 80,000 | 100,000 | 120,000 | 140,000 | 160,000 |
| Fixed Costs | 60,000 | -60,000 | -60,000 | -60,000 | -60,000 | -60,000 | -60,000 | -60,000 |
| Variable Costs | 25.0% | -10,000 | -15,000 | -20,000 | -25,000 | -30,000 | -35,000 | -40,000 |
| Operating Profit | _ | -30,000 | -15,000 | 0 | 15,000 | 30,000 | 45,000 | 60,000 |
| % | _ | -75.0% | -25.0% | 0.0% | 15.0% | 25.0% | 32.1% | 37.5% |

Breakeven Sales Level 80,000

Operating Leverage Illustration

Reduce Breakeven

| | | <u>-60%</u> | <u>-40%</u> | <u>-20%</u> | <u>Base</u> | <u>+20%</u> | <u>+40%</u> | <u>+60%</u> |
|------------------|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Sales | | 40,000 | 60,000 | 80,000 | 100,000 | 120,000 | 140,000 | 160,000 |
| Fixed Costs | 40,000 | -40,000 | -40,000 | -40,000 | -40,000 | -40,000 | -40,000 | -40,000 |
| Variable Costs | 45.0% | -18,000 | -27,000 | -36,000 | -45,000 | -54,000 | -63,000 | -72,000 |
| Operating Profit | _ | -18,000 | -7,000 | 4,000 | 15,000 | 26,000 | 37,000 | 48,000 |
| % | _ | -45.0% | -11.7% | 5.0% | 15.0% | 21.7% | 26.4% | 30.0% |

Breakeven Sales Level 72,727