# **Ch. 3 Introduction to**

# **Industry and Company Analysis**

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# INTRODUCTION

**Company analysis** is the analysis of an individual company, and it requires understanding a company's industry and identifying its peers.

- An **industry** is a group of companies offering similar products and/or services, whereas a **sector** is a group of related industries.
- A **principal business activity** is a source from which a company derives a majority of its revenues and/or earnings.
- A **peer group** is a group of companies that are engaged in similar business activities, and whose economics and valuation are influence by closely-related factors.

# USES OF INDUSTRY ANALYSIS

Understanding a company's business and business environment

- Stock selection
- Credit analysis

Identifying active equity investment opportunities.

- Security selection
- Industry or sector rotation

Portfolio performance attribution

- Performance attribution
- Industry or sector selection

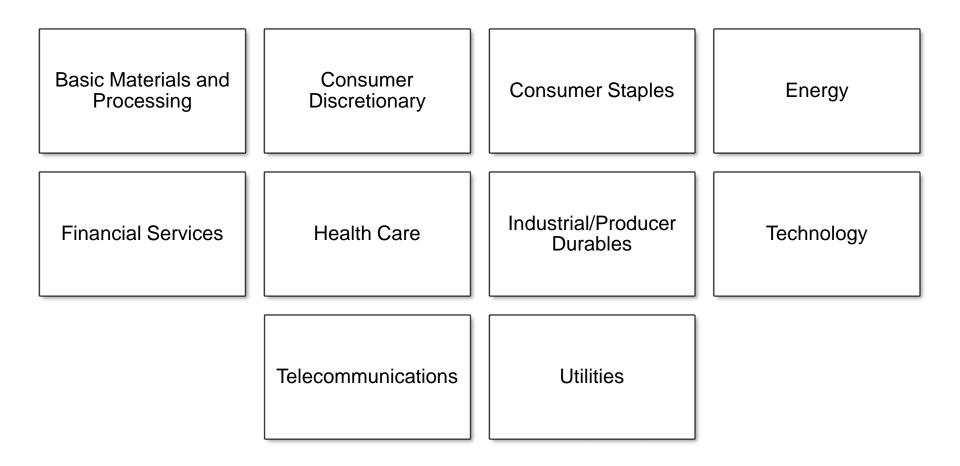
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# APPROACHES TO IDENTIFYING SIMILAR COMPANIES

| Products and/or services supplied | <ul> <li>Similar products and/or services</li> <li>Industry and sector classification</li> <li>A company's principal business activity</li> </ul>  |
|-----------------------------------|--|
| Business-cycle<br>sensitivities   | <ul> <li>Cyclical companies have profits correlated with the overall economy</li> <li>Noncyclical companies' performance is independent of the economy</li> </ul>  |
| Statistical similarities          | <ul> <li>Groups based on correlations of security returns</li> <li>Based on historical returns, but relationship may<br/>not continue in the future</li> <li>May associate firms based on chance or may<br/>exclude important relationships</li> </ul> |

#### SECTORS



#### $\langle B \rangle$

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| Featured Research<br>20) 2017 Midyear Outloo<br>Unique insights into<br>>   | 91) Actions 🗸  | 92) Directory 93) Setti  |
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|   | Exam<br>Featured Research<br>2) 2017 Midyear Outloo<br>Unique insights into<br>91) Actions • 92) Community<br>(Search BI><br>1) < BI: All Research<br>2) Energy<br>3) Oil, Gas & Coal<br>4) Coal<br>5) Crude Oil Production<br>6) Driting & Support<br>7) Integrated Oils<br>8) Liquefied Natural Gas<br>9) Midstream Oil & Gas<br>9) Midstream Oil & Gas<br>9) Midstream Oil & Gas<br>10) Nat Gas Production<br>11) Oil & Gas Services<br>12) Oil & Nat Gas E&P<br>13) Refine & Markt<br>14) Renewable Energy<br>15) Biofuels<br>16) Solar Energy Equip<br>17) Wind Energy Equip<br>18) Special Reports | Featured Research         W 2017 Midyear Outloo<br>Unique insights into         910 Actions •         911 Actions •         912 Actions •         913 Actions •         914 Actions •         915 Actions •         916 Actions •         917 Actions •         918 Actions •         919 Actions •         919 Actions •         910 Actions •         911 Actions •         912 Actions •         913 Actions •         914 Actions •         915 Bill All Research         916 Crude Oil Production         910 Nat Gas Production         9110 Oil & Gas Services …         9111 Oil & Gas Services …         912 Oil & Nat Gas Production         913 Refine & Markt         914         915         913 Refine & Markt         914         915         916         917         918         919         910 Float |

## **CLASSIFICATION SCHEMES**

Commercial industry classification schemes

• Produced by private enterprises, such as analysis firms and financial services firms.

Governmental industry classification schemes

- Produced by government agencies
- Goal: facilitate comparisons over time and across companies

# INDUSTRY CLASSIFICATION SCHEMES

Global Industry Classification Standard (GICS)

- Developed by Standard & Poor's and MSCI
- Classifies companies for developing and developed countries
- Based on business activity, classifies each company into a sector, industry group, industry, and sub-industry

Russell Global Sectors (RGS)

- Classifies companies by products and services
- System has sectors, sub-sectors, and industries.

Industry Classification Benchmark (ICB)

- Developed by Dow Jones and FTSE
- Classifies companies by source of revenues
- System has supersectors, sectors, subsectors, and industries

# GOVERNMENTAL INDUSTRY CLASSIFICATION SCHEMES

International Standard Industrial Classification of All Economic Activities (ISIC)

Statistical Classification of Economic Activities in the European Community (NACE)

Australian and New Zealand Standard Industrial Classification (ANZSIC)

North American Industry Classification System (NAICS)

## **IDENTIFYING PEER GROUPS**

Examine classification systems

Review subject company's annual report

Review company's competitors' annual reports

Confirm comparability with potential peers



| ETH US Equity                | Outp         | out -       | Settin     | gs -        |            |            | Re       | elative V     | aluation               |
|------------------------------|--------------|-------------|------------|-------------|------------|------------|----------|---------------|------------------------|
| Comp Source GICS             |              | Regio       | on North A | America     |            | •          |          | C             | urr <mark>USD</mark> 💌 |
| Classification               | Туре         |             |            | Metric      |            | ETH        | Low (    | Comp Rang     | ge High                |
| 1) Consumer Discretionary    | Secto        | or          |            | Est P/E     | Current Yr | 15.69      | 10.58 -  | •             | - 24.17                |
| 2) Consumer Durables & Appar | rel Indu     | stry Group  |            |             | rowth Yoy  | -3.88      | -22.30 - | •             | - 136.60               |
| 3) Household Durables        | Indus        |             |            |             | Margin (%) |            | -12.42 - |               | - 16.10                |
| 4) Home Furnishings          |              | Industry    |            |             | tore Sales | -6.40      | -6.40    |               | - 0.70                 |
|                              |              |             |            |             |            |            |          |               |                        |
| Showing Closest 15 Comps     | s by MKt Car |             |            |             |            |            |          | ) ETH US 🔶 Me | dian                   |
|                              |              |             |            |             |            |            |          |               | <b>4</b> 0             |
| Overview Comp Sheets         | Markets      | EPS Previe  | ew Owr     | nership C   | redit Cust | om 🗢 -     |          |               |                        |
| Name                         | Mkt Cap      | Last Px     |            | Chg Pct 1M  |            | EPS - 1 Yr | P/E      | ROE           | Dvd 12M •              |
|                              | (USD)        |             |            |             | Gr:Y       | Gr:Y       |          |               | Yld                    |
| 100) ETHAN ALLEN INTERIO     | 754.80M      | 27.50       | -2.48%     | -11.72%     | -3.88%     | -32.14%    | 20.44    | 9.52%         | 2.69%                  |
| 101) LEGGETT & PLATT INC     | 5.98B        | 45.23       | -0.85%     | -15.93%     | -4.27%     | 2.82%      | 17.52    |               | 3.05%                  |
| 102) TEMPUR SEALY INTERN     | 3.29B        | 60.90       | 0.35%      | 7.90%       | -0.76%     | 120.04%    | 15.31    | 251.39%       |                        |
| 103) LA-Z-BOY INC            | 1.14B        | 23.55       | -5.61%     | -28.20%     | -0.35%     | 10.14%     | 14.01    | 14.55%        | 1.83%                  |
| 104) DOREL INDUSTRIES-CL B   | 745.47M      | 22.95       | -1.48%     | -14.71%     | -2.99%     | -11.06%    | 12.33    | 5.61%         | 5.56%                  |
| 105) HOOKER FURNITURE C      | 454.74M      | 39.25       | -1.88%     | -10.49%     | 133.69%    | 50.06%     | 16.07    | 14.88%        | 1.17%                  |
| 106) BASSETT FURNITURE I     | 373.22M      | 34.80       | -0.85%     | -7.32%      | 0.26%      | -10.13%    | 24.13    |               | 2.04%                  |
| 107) FLEXSTEEL INDS          | 344.69M      | 44.06       | -2.80%     | -22.77%     | -6.27%     | 2.93%      | 15.30    |               | 1.82%                  |
| 108) DIXIE GROUP INC         | 70.15M       | 4.35        | 6.10%      | -3.33%      | -5.92%     | -792.10%   |          | -1.35%        |                        |
| 109) NOVA LIFESTYLE INC      | 34.45M       | 1.27        | 0.00%      | -11.81%     | 3.01%      |            |          | -1.76%        |                        |
| 110) LIVE VENTURES INC       | 19.88M       | 9.89        | 1.33%      | -8.26%      | 136.60%    |            | 6.72     |               |                        |
| 111) STANLEY FURNITURE C     | 17.50M       | 1.16        | 2.65%      | -5.69%      | -22.30%    |            |          | 0.120         | 21.55% -               |
| (Accounting Adjustments: Ad  | usted for    | bnormal Ite | ems When   | Applicable) |            |            |          | 10) Ana       | alyze List             |
|                              |              |             |            |             |            |            |          |               |                        |
| 1                            |              |             |            |             |            |            |          |               |                        |
|                              |              |             |            |             |            |            |          |               |                        |
|                              |              |             |            |             |            |            |          |               |                        |

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|-------------------------------|-------------------|-------------|----------|--|--------------------|--------------------|---------|---------------|------------------------|
| ·                             |                   |             |          |  |                    |                    |         |               |                        |
| ETH US Equity                 | Outpu             | t -         | Setting  | gs 🔸                                       |                    |                    | Rel     | lative Va     | luation                |
| Comp Source My Comp Grou      | ups 🔹             | Name        | Ethan Al | llen Interiors                             | Inc Cc *           |                    |         | Cu            | urr <mark>USD</mark> • |
| Segment                       | F                 | Revenue %   |          | Metric                                     |                    | ETH                | Low Co  | omp Range     | e Hig                  |
| Whole Firm                    |                   |             |          | Est P/E C                                  | Current Yr         | 15.69              | 10.58 — | •             | - 20.9                 |
| Home Products Stores          |                   |             |          |  | owth Yoy           |                    | -6.27 - |               | - 133.6                |
| Home & Office Furnishings     | 43%               |             |          |  | argin (%)          | 10.31              | 5.94 —  | <b>*</b>      | - 16.1                 |
|                               |                   |             |          |  | ore Sales          | -6.40              | -6.40 • | •             | - 0.7                  |
|                               |                   |             |          |  |                    |                    |         | ETH US 🔶 Medi |                        |
|                               |                   |             |          |  |                    |                    |         |               | +                      |
| Overview Comp Sheets          |                   | EPS Preview |          | Contraction and Contraction of Contraction | edit Custor        | eps - 1 Yr         | D/F     | DOF           | Duid 12                |
| Name                          | Mkt Capi<br>(USD) | Last Px     | cng      | Chg Pct 1M                                 | Rev - 1 Yr<br>Gr:Y | EPS - 1 Yr<br>Gr:Y |         | ROE           | Dvd 12<br>Yl           |
| 100) ETHAN ALLEN INTERIO      | 754.80M           | 27.50       | -2.48%   | -11.72%                                    | -3.88%             | -32.14%            |         | 9.52%         | 2.69                   |
| 101) FLEXSTEEL INDS           | 344.69M           | 44.06       | -2.80%   | -22.77%                                    | -6.27%             | 2.93%              | 15.30   | 10.33%        | 1.829                  |
| 102) BASSETT FURNITURE I      | 373.22M           | 34.80       | -0.85%   | -7.32%                                     | 0.26%              | -10.13%            |         |               | 2.04                   |
| 103) HOOKER FURNITURE CO      | 454.74M           | 39.25       | -1.88%   | -10.49%                                    | 133.69%            | 50.06%             |         |               | 1.17                   |
| 104) DOREL INDUSTRIES-CL B    | 745.29M           | 22.94       | -1.48%   | -14.71%                                    | -2.99%             | -11.06%            |         |               | 5.569                  |
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|                               |                   |             |          |  |                    |                    |         |               |                        |
| (Accounting Adjustments: Adju | usted for Ab      | normal Item | s When   | Applicable)                                |                    |                    |         | 10) Anal      | lyze List              |
| and bounding mayasements. Adj |                   | as mat reem |          | appendable)                                |                    |                    |         | 20 70100      | JEG LISU               |

# DESCRIBING AND ANALYZING AN INDUSTRY

- Analysts examine statistical relationships between an industry and business and economic variables
- Analysts develop forecasts, often developing scenario analyses
- Analysts may examine **strategic groups**, which are companies that share similar business models or specific market segments.
- Analysts often classify an industry based on its stage in the industry life cycle.
  - The **experience curve** is a representation of how the direct cost per unit of a good or services produced or delivered declines as a function of cumulative output.



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|------------------|---|--------------------------|---------------|------------|-----------|--------------|------------|------|
| <del>(</del> 1)  | Prev 27.50  | Vo]                      |               |            |           |              |            |      |
| ETH US Equit     | .y  | 66) Send                 | 98) Actions 🔹 |            | Bloomberg | Intelligence | Company Pr | imer |
| [BI]             |   |                          |               |            |           |              |            | ά    |
| BI Consumer Harc | n Interiors<br>Ilines, North Ameri<br>2) Industry |                          |               |            |           |              |            |      |
| leam:            | Shah   BIO »<br>Setail<br>stry Analyst            |                          |               |            |           |              |            |      |
| 1 DI 2017 M      | duant Outlaal                                     |                          | oor Hordlings |            |           |              |            |      |

#### 1. BI 2017 Midyear Outlook: Consumer Hardlines, North America

(Bloomberg Intelligence) -- Consumer hardline retailers face ongoing turbulence in 2017 as they try to balance volatile macroeconomic factors with secular industry trends. The companies are increasingly dependent on expanding online penetration and experiential retail to drive traffic and sales, with any gains offset by promotions,

Table of ContentsPerformance & ValuationTopics

- Peer Performance
- Peer Valuation
- n Topics
  - Housing & Economy
  - Consumer Credit
  - Omnichannel Grows
  - Store Monetization
  - Capital Allocation

technology spending and competition -- particularly from Amazon.com. Housing sales may moderate due to rising interest rates that could shift spending to renovations, while unseasonable weather compresses demand.

Home Depot, Lowe's, Ulta, Bed Bath & Beyond, Pier 1 Imports, Williams-Sonoma and GNC, among

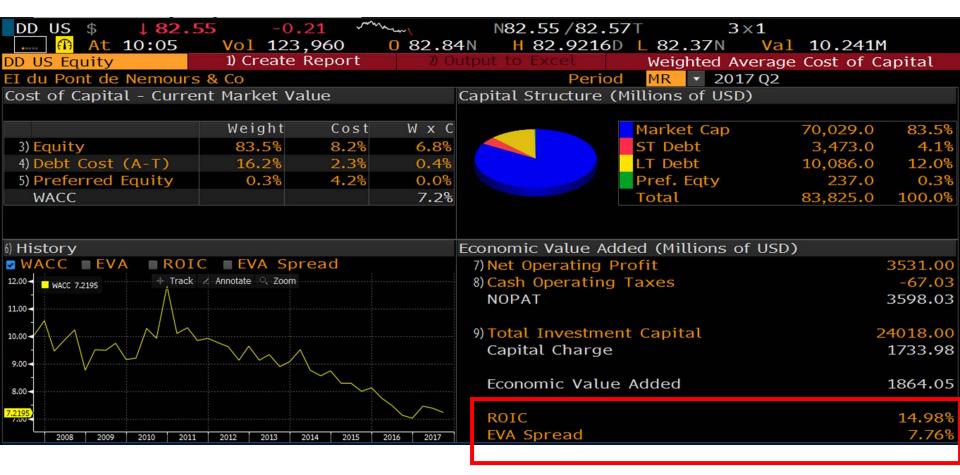
#### FRAMEWORK FOR INDUSTRY ANALYSIS

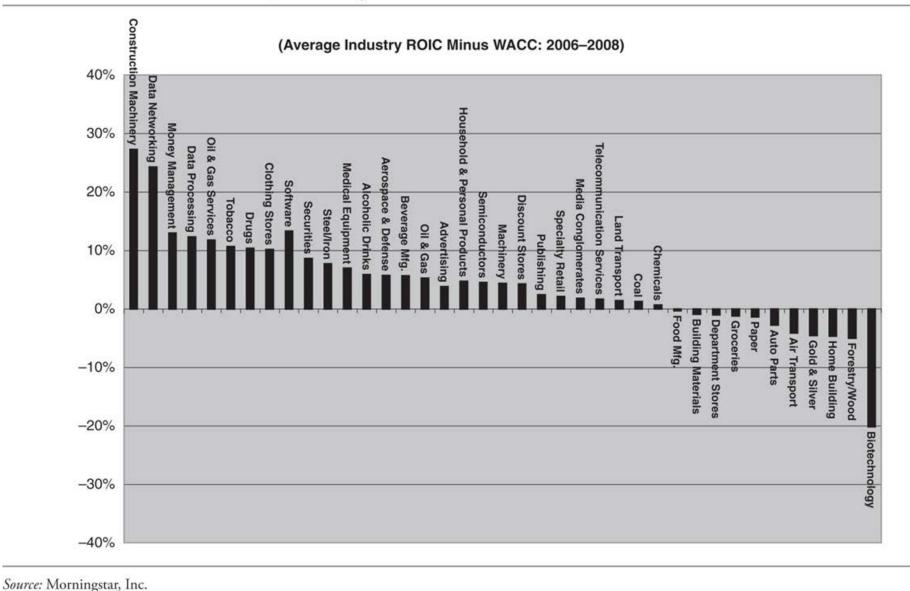


# EXTERNAL INFLUENCES ON INDUSTRY GROWTH, PROFITABILITY, AND RISK

- Macroeconomic influences include the level of production, interest rates, availability of credit, GDP growth, and inflation
- Technological influences include new products that change how companies do business and enhance productivity
- Demographic influences include the distribution of consumers by age, location, and gender
- Governmental influences include tax rates and regulations
- Social influences include how people work and spend.

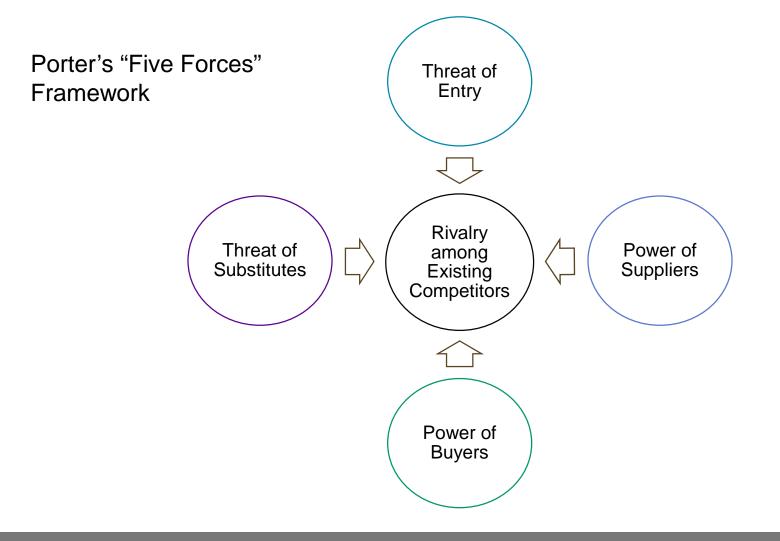




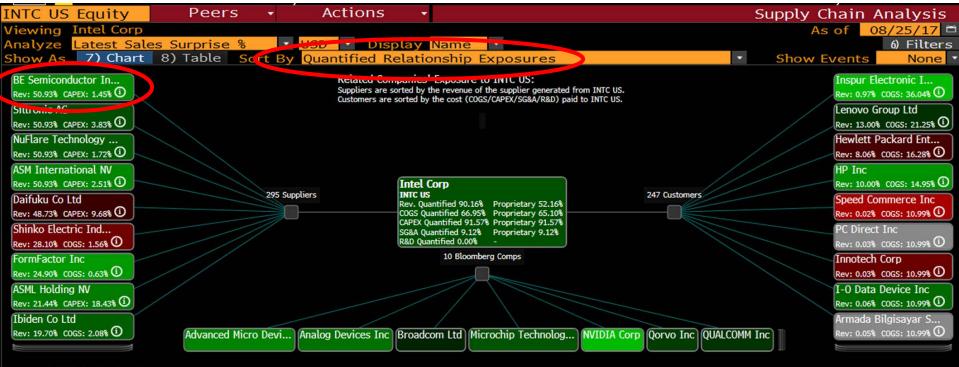


CFA Institute

#### STRATEGIC ANALYSIS OF AN INDUSTRY



#### <SPLC>



Analysis: Latest Sales Surprise Percentage

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-10

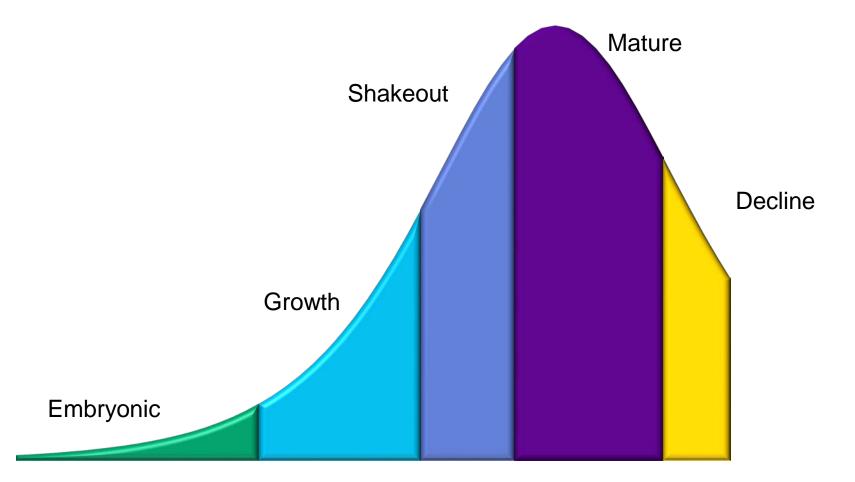
| INTC US Equity   | Peers 🔸                      | Actions           | *  |                   | S                      | upp |
|--|------------------------------|-------------------|--|-------------------|------------------------|-----|
| Viewing Intel Corp<br>Analyze <mark>Latest Sales</mark><br>Show As <b>7) Chart</b> 8                 |                              |                   | splay Name Relationship Exposure                             | es                | *                      | Sh  |
| BE Semiconductor In  |                              |                   | ompanies' Exposure to INTC US:                               |                   |                        |     |
| Rev: 50.93% CAPEX: 1.45% ①   |                              |                   |  |                   | elationship Detail     | s   |
| NuFlare Technology<br>Rev: 50.93% CAPEX: 3.83% ①<br>NuFlare Technology<br>Rev: 50.93% CAPEX: 1.72% ① | Supplier<br>Source<br>Origin | 2016 Q4 B         | NDUCTOR(BESI NA)<br>loomberg Estimate<br>JS's 2015 A Company | , Financials      |                        |     |
| Rev: 50.93% CAPEX: 2.51%   | BESI NA's Rev                | venue             | Percent  |                   | Value                  | -   |
| Daifuku Co Ltd<br>Rev: 48.73% CAPEX: 9.68% ①   | Revenue in U                 | SD                | 50.93%   |                   | 51.10M                 |     |
| Shinko Electric Ind<br>Rev: 28.10% COGS: 1.56%   |                              |                   |  |                   |                        |     |
| FormFactor Inc   | INTC US's Co<br>CAPEX in USD |                   | Percent<br>1.45%   |                   | Value<br>51.10M        | /   |
| Rev: 24.90% COGS: 0.63%<br>ASML Holding NV<br>Rev: 21.44% CAPEX: 18.43%                              |                              |                   | 1.13%  |                   | Close                  |     |
| Ibiden Co Ltd<br>Rev: 19.70% COGS: 2.08% ①   | Advanced Micro Devi          | Analog Devices In | c Broadcom Ltd Microchip Tech                                | nolog NVIDIA Corp | Qorvo Inc QUALCOMM Inc | c   |

# FACTORS AFFECTING PRICING POWER AND PRICE COMPETITION

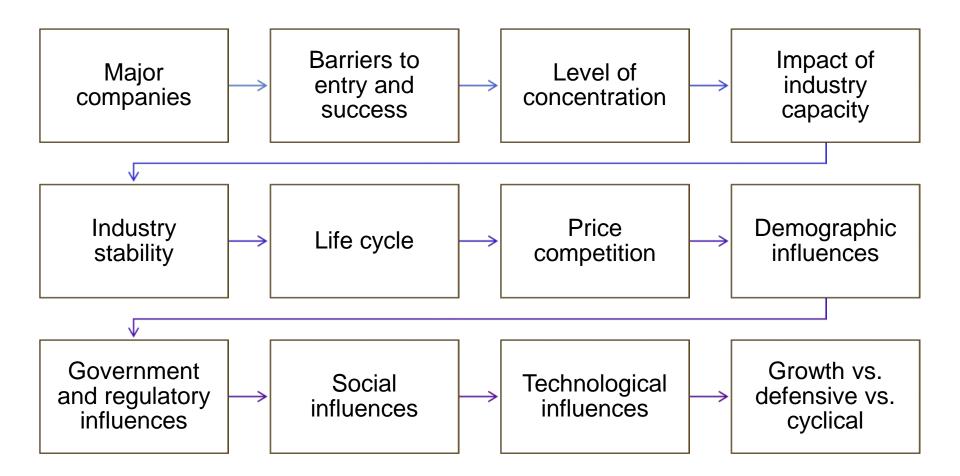
- Barriers to entry are obstacles or hurdles that limit or restrict the entry of new competitors in the market
  - These barriers keep or discourage new entrants, hence reducing competition
- **Industry concentration** is the degree to which some companies may dominate the industry in terms of market share.
  - Generally, the more concentrated an industry, the less competitive it is
- **Industry capacity** is the maximum amount of a good or service that can be supplied in a given time period
  - The more limited the capacity, the greater the companies' pricing power
- Market share stability is the degree to which market shares change over time
  - The more stable the market shares, the less competitive the industry

| EXHIBIT 4 (Continued)   |   |
|---|---|
| Concentrated with Strong Pricing Power  | Concentrated with Weak Pricing Power  |
| Integrated Shippers (UPS, FedEx, DHL International)<br>US Railroads (Burlington Northern)<br>US Defense (General Dynamics)<br>Heavy Construction Equipment (Caterpillar,<br>Komatsu)<br>Seaborne Iron Ore (Vale, Rio Tinto)<br>Confections (Cadbury, Mars/Wrigley)<br>Credit Card Networks (MasterCard, Visa)<br>Custody & Asset Administration (BNY Mellon, State<br>Street)<br>Investment Banking /Mergers &Acquisitions<br>(Goldman Sachs, UBS)<br>Futures Exchanges (Chicago Mercantile Exchange,<br>Intercontinental Exchange)<br>Canadian Banking (RBC Bank, TD Bank)<br>Australian Banking<br>Tobacco (Philip Morris, British American Tobacco)<br>Alcoholic Beverages (Diageo, Pernod Ricard) | Consumer Electronics (Sony Electronics,<br>Koninklijke Philips Electronics)<br>PCs (Dell, Acer, Lenovo)<br>Printers/Office Machines (HP, Lexmark)<br><b>Refiners (Valero, Marathon Oil)</b><br><b>Major Integrated Oil (BP, ExxonMobil</b><br>Equity Exchanges (NYSE, Deutsche<br>Börse Group)  |
| Fragmented with Strong Pricing Power  | Fragmented with Weak Pricing Power  |
| Asset Management (BlackRock, Fidelity)<br>For-Profit Education (Apollo Group, DeVry<br>University)<br>Analog Chips (Texas Instruments,<br>STMicroelectronics)<br>Industrial Distribution (Fastenal, W.W. Grainger)<br>Propane Distribution (AmeriGas, Ferrellgas)<br>Private Banking (Northern Trust, Credit Suisse)  | Consumer Packaged Goods (Procter &<br>Gamble, Unilever)<br>Retail (Walmart, Carrefour Group)<br>Marine Transportation (Maersk Line,<br>Frontline)<br>Solar Panels<br>Homebuilding<br>Airlines<br>Mining (metals)<br>Chemicals<br>Engineering & Construction<br>Metal Service Centers<br>Commercial Printing<br>Restaurants<br>Radio Broadcasting<br>Oil Services<br>Life Insurance<br>Reinsurance<br>Exploration & Production (E&P) |
|   | US Banking<br>Specialty Finance   |

### INDUSTRY LIFE CYCLE



#### CHARACTERISTICS OF INDUSTRIES



|                               | Branded<br>Pharmaceuticals  | Oil Services   | Confections/Candy   |
|-------------------------------|---|--|---|
| Major Companies               | Pfizer, Novartis,<br>Merck,<br>GlaxoSmithKline  | Schlumberger, Baker<br>Hughes, Halliburton   | Cadbury, Hershey,<br>Mars/Wrigley, Nestle   |
| Barriers to Entry/<br>Success | <i>Very High</i> : Substantial<br>financial and<br>intellectual capital<br>required to compete<br>effectively. A potential<br>new entrant would<br>need to create a sizable<br>R&D operation, a<br>global distribution<br>network, and large-<br>scale manufacturing<br>capacity. | <i>Medium</i> : Technological<br>expertise is required,<br>but high level of<br>innovation allows<br>niche companies to<br>enter the industry and<br>compete in specific<br>areas. | <i>Very High</i> : Low<br>financial or<br>technological hurdles,<br>but new players would<br>lack the established<br>brands that drive<br>consumer purchase<br>decisions. |

#### EXHIBIT 7 Elements of a Strategic Analysis for Three Industries

(continued)

|                                | Branded<br>Pharmaceuticals   | Oil Services  | Confections/Candy   |
|--------------------------------|--|---|---|
| Level of<br>Concentration      | <i>Concentrated</i> : A small<br>number of companies<br>control the bulk of<br>the global market for<br>branded drugs. Recent<br>mergers have increased<br>level of concentration.   | <i>Fragmented:</i> Although<br>only a small number<br>of companies provide<br>a full range of services,<br>many smaller players<br>compete effectively in<br>specific areas. Service<br>arms of national<br>oil companies may<br>control significant<br>market share in their<br>own countries, and<br>some product lines are<br>concentrated in the<br>mature US market. | Very Concentrated: Top<br>four companies have<br>a large proportion of<br>global market share.<br>Recent mergers have<br>increased level of<br>concentration. |
| Impact of Industry<br>Capacity | <i>NA</i> : Pharmaceutical<br>pricing is primarily<br>determined by<br>patent protection<br>and regulatory issues,<br>including government<br>approvals of drugs<br>and of manufacturing<br>facilities.<br>Manufacturing<br>capacity is of little<br>importance.   | <i>Medium/High</i> :<br>Demand can fluctuate<br>quickly depending on<br>commodity prices, and<br>industry players often<br>find themselves with<br>too few (or too many)<br>employees on the<br>payroll.  | <i>NA</i> : Pricing is<br>driven primarily<br>by brand strength.<br>Manufacturing capacity<br>has little effect.  |
| Industry Stability             | <i>Stable</i> : The branded<br>pharmaceutical<br>market is dominated<br>by major companies<br>and consolidation via<br>mega-mergers. Market<br>shares shift quickly,<br>however, as new drugs<br>are approved and gain<br>acceptance or lose<br>patent protection. | <i>Unstable</i> : Market<br>shares may shift<br>frequently depending<br>on technology<br>offerings and demand<br>levels.  | <i>Very Stable</i> : Market<br>shares change glacially.   |
| Life Cycle                     | <i>Mature</i> : Overall<br>demand does not<br>change greatly from<br>year to year.   | <i>Mature</i> : Demand does<br>fluctuate with energy<br>prices, but normalized<br>revenue growth is only<br>mid-single digits.  | <i>Very Mature</i> : Growth is driven by population trends and pricing.   |

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|                                       | Branded<br>Pharmaceuticals   | Oil Services  | Confections/Candy  |
|---------------------------------------|--|---|--|
| Price Competition                     | <i>Low/Medium</i> : In the<br>United States, price<br>is a minimal factor<br>because of consumer-<br>and provider-driven,<br>de-regulated health<br>care system. Price is<br>a larger part of the<br>decision process in<br>single-payer systems,<br>where efficacy hurdles<br>are higher. | <i>High</i> : Price is a major<br>factor in purchasers'<br>decisions. Some<br>companies have modest<br>pricing power because<br>of a wide range of<br>services or best-in-class<br>technology, but primary<br>customers (major oil<br>companies) can usually<br>substitute with in-house<br>services if prices are too<br>high. Also, innovation<br>tends to diffuse<br>quickly throughout the<br>industry. | <i>Low</i> : A lack of private-<br>label competition keeps<br>pricing stable among<br>established players, and<br>brand/familiarity plays<br>a much larger role in<br>consumer purchase<br>decisions than price.   |
| Demographic<br>Influences             | <i>Positive</i> : Populations of<br>developed markets are<br>aging, which slightly<br>increases demand.  | NA  | NA   |
| Government &<br>Regulatory Influences | <i>Very High</i> : All drugs<br>must be approved for<br>sale by national safety<br>regulators. Patent<br>regimes may differ<br>among countries. Also,<br>health care is heavily<br>regulated in most<br>countries.   | <i>Medium</i> : Regulatory<br>frameworks can affect<br>energy demand at<br>the margin. Also,<br>governments play<br>an important role in<br>allocating exploration<br>opportunities to E&P<br>companies, which<br>can indirectly affect<br>the amount of work<br>flowing down to<br>service companies.  | <i>Low:</i> Industry is<br>not regulated, but<br>childhood obesity<br>concerns in developed<br>markets are a low-<br>level potential threat.<br>Also, high-growth<br>emerging markets<br>may block entry of<br>established players into<br>their markets, possibly<br>limiting growth. |
| Social Influences                     | NA   | NA  | NA   |
| Technological<br>Influences           | <i>Medium/High</i> :<br>Biologic (large-<br>molecule) drugs<br>are pushing<br>new therapeutic<br>boundaries, and many<br>large pharmaceutical<br>companies have<br>a relatively small<br>presence in biotech.  | <i>Medium/High</i> :<br>Industry is reasonably<br>innovative, and players<br>must re-invest in R&D<br>to remain competitive.<br>Temporary competitive<br>advantages are possible<br>via commercialization<br>of new processes<br>or exploitation of<br>accumulated expertise.   | <i>Very Low</i> : Innovation<br>does not play a major<br>role in the industry.   |

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|                                      | Branded<br>Pharmaceuticals  | Oil Services   | Confections/Candy  |
|--------------------------------------|---|--|--|
| Growth vs. Defensive<br>vs. Cyclical | <i>Defensive</i> : Demand<br>for most health care<br>services does not<br>fluctuate with the<br>economic cycle,<br>but demand is not<br>strong enough to be<br>considered "growth." | <i>Cyclical</i> : Demand is<br>highly variable and<br>depends on oil prices,<br>exploration budgets,<br>and the economic<br>cycle. | <i>Defensive</i> : Demand<br>for candy and gum is<br>extremely stable. |

EXHIBIT 7 (Continued)

Note: "NA" in this exhibit stands for "not applicable."

# ELEMENTS OF A COMPANY ANALYSIS

Company profile

**Relevant industry characteristics** 

Demand for the company's products and services

Supply of products and services

Company's pricing environment

Financial ratio analysis

#### SUMMARY

- Company analysis and industry analysis are closely interrelated.
- Industry analysis is useful for analyzing portfolio opportunities, strategies, and performance.
- There are commercial and governmental classification systems, although determining a company's peers is challenging because of different business activities even within defined industry groups.
- The analysis of the competitive environment of an industry includes Porter's five forces, assessment of barriers to entry, capacity, market share stability, and the industry's life cycle.
- External factors must be considered, including technology, demographics, government, and social factors.

## SUMMARY, CONTINUED

- A thorough company analysis requires investigating the company's corporate profile, industry characteristics, demand for its products or services, supply of its products and services, pricing, and financial ratios.
- Spreadsheet modeling can assist the analyst in analyzing and forecasting revenues, income, and cash flows, as well as assessing the sensitivity of the analysis to the analyst's assumptions.