

Industrial Fasteners

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Hundreds of private companies are active in the U.S. industrial fasteners industry.

Industrial Fasteners - Private Company Reports profiles more than 160 private U.S. producers of industrial fasteners. This information will assist you as a valuable decision making tool for acquisitions, joint ventures and cooperative agreements.

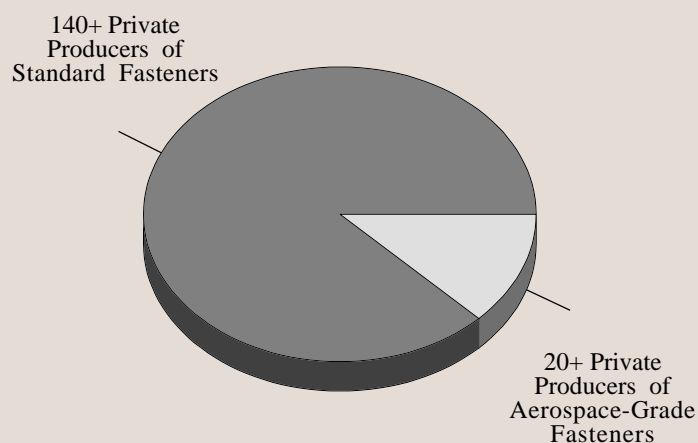
Examine the report highlights, sample pages and table of contents on the following pages and see how *Industrial Fasteners - Private Company Reports* can serve as a valuable decision making tool for your company.

Brochure Index

Table of Contents and List of Tables	2
List of Companies Profiled	3
Sample Pages and Tables from:	
Private Company Profiles	4
Market Overview	6
Industry Structure	7
Report Highlights	8
Related Studies and Reports from Freedonia	9
About the Company	9
Advantages of Freedonia Reports	9
Our Customers	10
Ordering Information	12

List of Contents, Tables and Charts

Types of Private Companies Profiled



* Nails and staples are excluded from the scope of this report.

I. EXECUTIVE SUMMARY	
II. MARKET OVERVIEW	
General	4
Manufacturing Outlook	4
Table - Manufacturers' Shipments	6
Motor Vehicle Outlook	6
Table - Motor Vehicle Outlook	8
Aerospace Sector Trends	8
Table - Aerospace Sector Outlook	9
Fasteners Outlook	9
Table - Fastener Outlook by Type	12
Standard Fasteners	12
Chart - Standard Fastener Sales by Type, 1998	15
Aerospace-Grade Fasteners	15
Chart - Aerospace-Grade Fastener Demand by Type, 1998	18
Markets	18
Chart - Fastener Markets, 1998	22
III. INDUSTRY STRUCTURE	
General	23
Table - Leading Private Fastener Companies, 1998	26
Consolidation Trends & Recent Acquisitions	26
Table - Recent Private Fastener Company Acquisitions	29
Standard Fasteners	33
Market Share	33
Chart - Standard Fastener Market	
Share by Company, 1998	34
Private Company Characteristics	34
Table - Selected Private Standard Fastener Companies	37
Aerospace-Grade Fasteners	44
Market Share	45
Chart - Aerospace-Grade Fastener Market	
Share by Company, 1998	46
Private Company Characteristics	46
Table - Selected Private Aerospace-Grade	
Fastener Companies	48
Regional Concentration	49
Chart - Geographic Distribution	
of Private Fastener Establishments	52
IV. PRIVATE COMPANY PROFILES.....	60-253

Companies Profiled

* Sample profiles on pages 4 and 5

A&S Manufacturing Inc.
Abbott-Interfast Corp.
 Abbott Fastener Manufacturing
Accurate Threaded Fasteners
Acme Screw Co.
 Solar Screw Corp.
Active Screw & Fastener
Advanced Cable Ties Inc.
Air Industries Corp.
Akko Fastener Inc.
Allfast Fastening Systems Inc.
The Allied Group
 Allied Nut & Bolt
 Allied Precision Machine
Allstar Fasteners Inc.
The Alpha Group of Companies
 Alpha Bolt Co.
 Alpha Stamping Co.
 Washers Inc.
American Engineered Components Inc.
American Ring & Tool Co.
Archer Screw Products Inc.
Avibank Manufacturing Inc.
Aztec Washer Co. Inc.
Aztech Locknut Co. Inc.
Bamal Corp.
 Cronin Fasteners Inc.
 Infinity Fasteners
B&G Manufacturing Co. Inc.
Binder Metal Products Inc.
Birmingham Fastener Inc.
 Alabama Aerospace
Birmingham Rail & Locomotive Co. Inc.
 Vulcan Spike
Botts (JH) Inc.
Briles Rivet Corp.
Brunner Drilling and Manufacturing Co. Inc.
Cardinal Fastener & Specialty Co. Inc.
Carr Lane Manufacturing Co.
Celus Fasteners Manufacturing Inc.
Chicago Expansion Bolt Corp.
Chicago-Wilcox Manufacturing Co. Inc.
 DH Die Cutting
Commonwealth Bolt Inc.
Consolidated Metal Products Inc.
Construction Anchors Inc.
Construction Fasteners Inc.
Continental/Midland Inc.
 MSD Stamping Inc.
Corpus Christi Gasket & Fastener Co. Inc.
Coupling Nut Supply Co.
Crest Products Inc.
CWR Manufacturing Co.
Dack Industries Inc.
Darling Bolt Co.
Deshler Group Inc.
 Amanda Bent Bolt Co.
 Claude Sintz Inc.
Detroit Tubular Rivet Inc.
DRIV-LOK Inc.
Dupree Inc.
 Stake Fastener Co.
East Coast Fasteners & Closures Inc.
Eastern Screw Co. Inc.

Fastener Exchange Inc.
EBC Industries Inc.
 Erie Bolt
Elgin National Industries Inc.
 Chandler Products
 Ohio Rod Products Co.
Exemplar Manufacturing Co.
FabriSteel Products Inc.
 Ferry Cap & Set Screw Co.
 Specialty Bar Products Co.
Fastco Industries Inc.
Fastec Industrial Corp.
Fastener Industries Inc.
 Brainard Rivet Co.
 Buckeye Fasteners
 Ohio Nut and Bolt Co.
The Fastron Co.
Fibre Materials Corp.
Flexible Steel Lacing Co.
 Flexco
The Flexitallic Group Inc.
 DAN-LOC Bolt and Gasket Inc.
Foresight Products LLC
Freeway Corp.
Gesipa Fasteners USA Inc.
Girard Fastener Co.
Gripnail Corp.
 Amtak Fasteners
Groov-Pin Corp.
Hadady Corp.
Hager Companies
Halsteel Inc.
Hassall (John) Inc.
Hill Fastener Corp.
Hindley Manufacturing Co. Inc.
HK Metalcraft Manufacturing Corp.
Hohmann & Barnard Inc.
Howard Engineering Co. Inc.
Ideal Fasteners Inc.
Industrial Nut Corp.
Instrument Bearing Factory USA
Iwata Bolt USA Inc.
Jebco Screw & Rivet Manufacturing Co.
Kamax-GB Dupont LP
Kason Industries Inc.
The Keen Group
 Diversified Fastener & Tool Co.
 Keen Fastening Systems Inc.
 Major International Inc. USA
Kendale Industries Inc.
Keystone Bolt & Nut Co.
 Keystone Threaded Products
Keystone Screw Corp.
Komar Screw Corp.
KS Bearings
Lawrence Brothers Inc.
Level 1 Fasteners Inc.
Lewis Bolt & Nut Co.
 Engineered Components
LMP Steel & Wire Co.
Lyn-Tron Inc.
MacElroy (JC) Co. Inc.
 Steel Technologies Corp.
MacLean-Fogg Co.
 Industrial & Automotive Fasteners Inc.
 Metform Corp.
Marmon Group Inc.
 Atlas Bolt and Screw Co.
 Deerwood Fasteners International Inc.
 Pan American Screw
 Robertson Inc.
 Triangle Auto Spring Co.
Master Products Co.
Matenaer Corp.
McCoy Bolt Works Inc.
Mechanical & Industrial Fasteners Inc.
 MIFAST
Mid-Continent Screw Products Co.
Mid West Fabricating Co.
Rockmill

Midwest Fastener Corp.
MNP Corp.
 Genfast Manufacturing Co.
Modform Inc.
Moeller Manufacturing & Supply Inc.
MS Aerospace Inc.
MW Industries Inc.
 Accurate Screw Machine Products Co.
 Pro-Fit Screw Manufacturing
 Rumco Inc.
National Rivet and Manufacturing Co.
ND Industries Inc.
 Imperial Japanning Co.
Nova Machine Products Corp.
Parker Metal Corp.
Pawtucket Fasteners LP
 Atlas Screw & Specialty Manufacturing
 Bell Fasteners
 Sharon/Philstone Fasteners
 Stillwater Fasteners
 Zelinda Metric
PB Fasteners Inc.
Pilgrim Screw Corp.
Pivot Point Inc.
Portland Bolt & Manufacturing Co. Inc.
Powers Fasteners Inc.
 Powers Rawl Inc.
P&R Fasteners Inc.
Prestige Stamping Inc.
QRP Inc.
Reliant Industries Inc.
 Rebco Fasteners Inc.
Rockford Products Corp.
Rods Indiana Inc.
Rotor Clip Co. Inc.
 Rotor Clamp Inc.
Safety Socket Screw Corp.
Saturn Fasteners Inc.
Semblex Corp.
Setko Industries Inc.
Simplex Nails and Fasteners
Slidematic Products Inc.
Southco Inc.
Southern Imperial Inc.
Specialty Screw Corp.
Spirol International Corp.
Stafast Products Inc.
Stalcorp LP
Standard Horse Nail Corp.
Standard Nut and Bolt Co.
Standard Steel Specialty Co.
Star Newco Inc.
 Star Anchors and Fasteners
Steel Master Transfer Inc.
Stimpson Co. Inc.
Structural Bolt and Manufacturing Inc.
Superbolt Inc.
Superior Washer & Gasket Corp.
Technifast Industries Inc.
Telefast Industries Inc.
Tex Thread Inc.
Threaded Rod Co. Inc.
Tru-Fast Corp.
Tru-Fit Products Corp.
Tubal-Cain Industries Inc.
Unytite Inc.
US Anchor Corp.
Valley Rivet Co. Inc.
 North Coast Rivet Inc.
Van Petty Manufacturing Inc.
Virginia Industries Inc.
 Hartford Bearing Co.
Vogelsang Corp.
Walter (B.) & Co. Inc.
Watson Metal Products Corp.
Wayne Bolt & Nut Co.
Williams Form Engineering Corp.
Wrought Washer Manufacturing Inc.
Zephyr Manufacturing Co.
Zierick Manufacturing Corp.

Detailed Company Profile

More than 160 private company profiles are compiled and range from detailed to brief company descriptions. (See Samples)

All companies are individually contacted and the majority of the companies verify the data.

Hard to obtain sales and employment figures, key products and services and an overview of corporate operations are provided.

PRIVATE COMPANY PROFILES

Continental/Midland Incorporated

24000 South Western Avenue
Park Forest, IL 60466
County: Cook
County Code: 17031

Phone: 708-747-1200
Fax: 708-747-9373
Web Address: <http://>

Annual Sales: **SAMPLE PROFILE**
Employment:
Key Executive:

Key Products: metal fasteners, thread forming screws, and wire form and metal stamping assemblies

Census Code SIC(s): 3089; 3452; 3469

SIC Description(s): miscellaneous plastic products; bolts, nuts, screws, rivets and washers; miscellaneous metal stampings

Continental/Midland produces metal fasteners, thread forming screws, and wire form and metal stamping assemblies such as door strikers. The Company's products are primarily used in automotive, appliance, industrial and electrical applications. The Company operates manufacturing facilities in Park Forest, Illinois and Millersport, Ohio. Continental/Midland also has a distribution warehouse located in Bensenville, Illinois. In addition to its own operations, the Company is affiliated with Neradt Tool and Stamping Company (Elk Grove Village, Illinois) and MSD Stamping Incorporated (Livonia, Michigan). Continental/Midland believes its competitors to be Camcar (Textron), Anchor Fastener (Illinois Tool Works), MNP and Alpha Bolt (Alpha Group).

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loosening and stronger threads. TAPTITE screws can be used with most ductile metals, including steel, aluminum, brass, bronze and stainless steel. Also available under the TAPTITE brand name are CORFLEX I TAPTITE screws. CORFLEX I are high strength structural alloy steel, neutral hardened TAPTITE screws that have been induction hardened on the point of the screw for additional

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PROFILES

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Brief Company Profile

These profiles give you insight into the operations of private companies, and can help you:

- Identify companies for investment, merger, and/or acquisition opportunities based on size, products, and location.
- Evaluate the position of your competitors based on sales and/or employment figures.

PRIVATE COMPANY PROFILES

Archer Screw Products Incorporated

11341 Melrose Avenue
Franklin Park, IL 60131
County: Cook
County Code: 17031

Phone: 847-451-1150
Fax: 847-451-1783
Web Address: <http://www.archerscrew.com>

Annual Sales: **SAMPLE PROFILE**
Employment:
Key Executive:

Key Products: standard and special fasteners, including machine, wood, tapping, thread rolling, thread cutting, hex cap, socket cap, thumb and particle board screws, and washer and screw assemblies

PRIVATE COMPANY PROFILES

PB Fasteners Incorporated

1700 West 132nd Street
Gardena, CA 90249
County: Los Angeles
County Code: 06037

Phone: 310-323-6222
Fax: 310-329-6249

Annual Sales: **SAMPLE PROFILE**
Employment:
Key Executive:

Key Products: metal aerospace-grade fasteners
Census Code SIC(s): 3452
SIC Description(s): bolts, nuts, screws, rivets and washers

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ts and washers

ard and custom fasteners, including
ead cutting, hex cap, socket cap, thumb
lso produces washer and screw
e made from steel, stainless steel,
cold forming to head, upset and
perations include flattening, bending,
g, machining, trimming, milling,
ating, grinding, knurling and thread-
le labeling, custom packaging and poly

Market Overview

The Market Overview Section discusses factors influencing demand, including aerospace sector trends and the outlook for motor vehicles.

This information helps you:

- Determine what external factors will impact future demand.
- Measure your market and sales potential based on demand forecasts.
- Propose new areas for product development based on market trends & innovations.

MARKET OVERVIEW

Aerospace-Grade Fasteners

Aerospace-grade fastener demand is forecast to grow at an annual rate of 4.9 percent through 2003. Demand in the jet and commercial space segments will remain strong as new aircraft for large commercial aircraft have begun production. After an extended period of cutbacks, military plane production is expected to grow, benefitting fastener demand not only in aircraft production, but also in other defense transport systems. Although demand for new building construction will slow, better prospects are expected in nonbuilding construction projects, such as bridges, which use these high-end fasteners.

The externally threaded types, predominately composed of bolts, are the largest segment, accounting for 47 percent of aerospace-grade fastener demand in 1998. However, nonthreaded fasteners, which account for the smallest share of demand, will see the fastest growth through 2003, advancing over six percent annually. Internally threaded aerospace-grade fasteners, in contrast, are projected to experience growth well below the sector's average.

Aerospace-grade fasteners are typically constructed of high-strength steels, steel alloys and nonferrous materials such as titanium and aluminum alloys. Specially

Fastener Outlook by Type

(million dollars)

% Annual Growth

Item	1993	1998	2003	03/98
Durable Goods Shipments (bil \$)	15	17	18	3
\$ fastener/000\$ shpt				
Fastener Sales				
Standard	5	5	5	1
Aerospace-Grade				
-net imports				
Fastener Shipments	5	5	5	1

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Industry Structure

Gain a better understanding of your competition and analyze your company's position in the industry with information about the characteristics of leading industrial fastener manufacturers including total sales, capabilities and regional concentration.

This information helps you:

- Evaluate diversification opportunities based on product lines of other private companies.
- Understand barriers to entry based on industry concentration.
- Develop positioning strategies based on size of competitors.

INDUSTRY STRUCTURE

Standard Fasteners - Private Company Characteristics

Over 700 private companies participate in the standard fastener industry, ranging from single location firms to those with international presence. Most firms, however, have sales under \$10 million. The majority are involved in the external market, although many also produce internally threaded, nonthreaded and other fasteners. The high level of private company involvement is possible because of extensive (although diminishing) opportunities for niche marketing on a product, market and/or geographic basis. This trend is furthered by the rising demand for high-end, custom produced, specialized fasteners, which gives small firms an outlet from competing solely against low-cost commodity-type imports. Fastener producers, in general, also face relatively low technological barriers to entry.

The vast majority of private firms produce metal fasteners, with only a handful offering plastic or rubber products. A few companies are back-integrated into the process of forging their own steel. For example, the \$7 million JC MacElroy's Steel Technologies division maintains a fabrication shop which forges the steel and a machine shop which manufactures the products, in addition to a paint shop for finishing services. Other firms include significant downstream operations such as components assembly and product distribution. For example, Mid-Continent

Company	Corporate Sales (mil \$)*	Principal Standard Fastener Products														
		Type					Material			Market						
		Customized	Externally Threaded	Internally Threaded	Nonthreaded	Other	Metal	Plastic	Rubber	Automotive OEM	Electrical/Electronic OEM	Industrial OEM	Other OEM	Construction	MRO	Unspecified
A&S Manufacturing			•	•			•									•
Abbott-Interfast					•		•						•			
Accurate Threaded					•		•									
Acme Screw					•		•									
Advanced Cable Ties																
Akko Fastener					•		•									
The Allied Group	17		•	•	•	•	•									
Allstar Fasteners	15		•	•	•	•	•									
Alpha Group of Companies	34		•	•	•	•	•									
American Engineered	20		•	•	•	•	•									

* Sales are 1998 estimates of total corporate sales including products other than standard fasteners.

Report Highlights

- More than 700 private manufacturers compete in the \$8.7 billion fasteners market and thousands are active as fastener distributors.
- Five private players have standard fastener sales of over \$75 million, each accounting for one percent of the market. Five private firms each have at least two percent of the aerospace-grade fastener market.
- Small private companies are able to compete in the industry because of relatively low technological barriers to entry, the diversity of products and opportunities for geographic and other niche marketing.
- Private fastener firms have been involved in a number of recent acquisitions, both as purchasers and targets, as the trend toward industry consolidation continues.
- Illinois has the highest concentration of private fastener production facilities with over 140, followed by California and Michigan with more than 100 each.
- US fastener sales are forecast to rise 3.8 percent annually through 2003 to \$10.5 billion.

About The Freedonia Group

Advantages of Freedonia Reports

The Freedonia Group, Inc. is a leading international industry report/database company.

Since 1985, Freedonia has published over 1,400 titles covering areas such as building materials, chemicals, plastics, industrial components and equipment, household goods, coatings and adhesives, health care, packaging, security, and many other industries.

Private companies reports encompass not only Freedonia's notable industry forecasts, but also market shares, product information and sales and employment figures for **private companies**. Corporate analysts are constantly monitoring privately-held companies to provide the most up-to-date and comprehensive profiles. Freedonia is able to gather and prepare this proprietary information based on our reputation as a leading market research firm.

By obtaining Freedonia's report on private companies in the industrial fasteners industry, you will be able to:

- **Identify companies for possible investment, merger, and /or acquisition opportunities** based on size, products and location.
- **Measure your market and sales potential** based on demand forecasts.
- **Propose new areas for product development** based on material trends.
- **Develop positioning strategies** based on size and geographic location of competitors.
- **Evaluate diversification opportunities** based on product lines of other private companies.
- **Understand barriers to entry** based on industry concentration and market shares.

Our Customers

Freedonia's clients include major US and international companies in the manufacturing, services, consulting and financial sectors.

Typical purchasers of Freedonia studies :

- **Key Executives**
- **Corporate Planners**
- **Market Researchers**
- **Financial Analysts**
- **Information Centers**
- **New Product Developers**
- **Merger & Acquisition Specialists**

Since 1985 we have provided research to customers ranging in size from global conglomerates to one person consulting firms. More than 90% of the industrial companies in the Fortune 500 use Freedonia research to help with their strategic planning.

Some of Freedonia's customers in the industrial fasteners industry include: Huck International, MacLean-Fogg, Fairchild Fasteners and MascoTech.

Because Freedonia is a source for reliable information, our forecasts have been cited in numerous publications such as *The Wall Street Journal*, *Industrial Fastener Journal*, *American Fastener Journal*, *Fastener Industry News* and *Forbes*.

Related Studies and Reports

For more information about these or other Freedonia titles, please contact us at:

The Freedonia Group, Inc.

Phone: (440) 684-9600

(800) 927-5900

Fax: (440) 646-0484

Diesel Engines & Parts

US demand for diesel engines and parts will grow over 5% annually, driven by rising environmental standards which will promote the use of more costly low emission engines. Parts for routine repair and engine rebuilding will continue to provide over a third of total revenue. Trucks will remain the largest market and one of the fastest growing. This study analyzes the \$15 billion US diesel engine and part industry to 2003 and 2008 by product and market. It also evaluates market shares and profiles key firms.

#1153. 8/99. \$3,300

Industrial Fasteners

Aerospace-grade markets will lead growth in original equipment manufacturers' (OEM) fastener demand, driven by both military and commercial aircraft production. Maintenance/repair/operations (MRO) markets will outperform most other OEM counterparts. Competitive joining techniques and aggressive fastener imports will limit further gains. This study analyzes the \$8.6 billion US industrial fastener industry to 2003 and 2008 by type and application. It also details market share and profiles key suppliers.

#1149. 6/99. \$3,500

Automotive Mechanical Products - Private Companies Report

Of the hundreds of private companies in this industry, several hold significant positions in individual segments and ten have total automotive mechanical product sales of \$50 million or more. The rest are mostly small firms that specialize in making one or two types of automotive mechanical components, or serve nonautomotive markets as well. This report profiles over 100 privately-held US firms active in the automotive mechanical products industry. It also forecasts industry demand and evaluates market share.

#1129. 6/99. \$3,000

Roofing - Private Companies Report

Privately-held companies are among the top producers in the \$9.7 billion US roofing industry. Seven generate roofing-related sales of at least \$100 million, focusing mainly on asphalt-based products. Private firms are also significant players in other segments and related products. This report profiles over 150 private roofing producers (e.g., Atlas Roofing Products, Celotex, GAF, JPS Textile, Tamko Roofing Products), forecasts industry demand, presents market shares, and lists firms by product and locale.

#1132. 6/99. \$3,000

Automotive Mechanical Products - Private Companies Report

Of the hundreds of private companies in this industry, several hold significant positions in individual segments and ten have total automotive mechanical product sales of \$50 million or more. The rest are mostly small firms that specialize in making one or two types of automotive mechanical components, or serve nonautomotive markets as well. This report profiles over 100 privately-held US firms active in the automotive mechanical products industry. It also forecasts industry demand and evaluates market share.

#1129. 6/99. \$3,000

World Automotive Aftermarket

Global demand for under-the-hood automotive aftermarket parts and components will grow nearly 7% annually. Fueling gains will be a rise in the average age of light vehicles in use, as vehicle owners retain existing machines and require more repair and maintenance. This study analyzes the world automotive aftermarket to 2002 and 2007 for six geographic regions and over 30 countries. The study also presents market share and profiles leading suppliers.

#1093. 2/99. \$4,200

Metal Building Systems

Demand for metal building systems in the US will rise 5% per annum. Industrial structures will remain the most numerous type and grow the fastest, benefiting from design improvements and new construction. Shipments of separate metal building components (e.g., roof and wall panels) will also increase at rates above the industry average. This study analyzes the \$4 billion US prefabricated metal building industry to 2002 and 2007 by product and market. It also presents market share and profiles key companies.

#1047. 10/98. \$3,400

Automotive Aftermarket in North America

The aftermarket for light vehicle parts in North America will grow over 5% per annum, based mainly on the aging of the light vehicle park. Also driving demand will be the number of vehicles added during the strong 1992-1997 market, and the growing popularity of larger vehicles. This study analyzes the automotive aftermarket in the US, Canada and Mexico to 2002 and 2007 by country and product. It also profiles key companies and details market shares.

#1026. 7/98. \$3,400

