Hydraulic Components – A Global Market Overview

The report reviews, analyzes and projects the global market for Hydraulic Components for the period 2012-2022

Published: September 2016
Report Code: MG014
Pages: 476
Charts: 288
Price: $4500 Single User License, $7200 Enterprise License

SUMMARY

A growing impetus towards plant automation with a focus on enhancing productivity, reducing downtime and conserving energy has resulted in boosting demand for industrial hydraulic equipment designed for supporting process automation. Asian, Latin American and Middle Eastern regions have been at the forefront in plant and process automation, spurred on by the rapid pace of industrialization, development of manufacturing infrastructure and growth in GDP, a scenario ideal for robust growth in demand for hydraulics-based plant automation systems. Utilization of compact hydraulics in assembly automation provides several tangible benefits, including smooth lifting and lowering of loads, adaptability in pre-programmed machine speeds, decrease in cost of production and elimination of production downtime losses.

The transportation and logistics industry, a vital cog in the manufacturing supply chain, has also been positively benefitted by the growth in industrial activity. The consequent demand for material handling equipment, such as scissor lifts, dock levelers, stackers and forklifts, coupled with increasing in warehousing facilities, has been instrumental in stimulating demand for hydraulic component, such as cylinders and pistons. The use of hydraulic excavators has been bolstered by a boost in construction activity, a trend that has been more evident in developing markets. China, India Brazil and the Middle East constitute the emerging regions where the number and scale of infrastructure and commercial projects has been on the growth trajectory, which has resulted in creating healthy demand for hydraulic equipment.

This global market report analyzes the hydraulic component product segments comprising Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Others. These segments further explored for sub-types of Accumulators – Bladder, Diaphragm and Piston; Cylinders – Double Acting and Single Acting; and Hydraulic Pumps & Motors – Gear, Piston and Vane. The study also analyzes the key end-use sectors of hydraulic components including Aerospace, Industrial, Marine and Mobile. The global markets for the above mentioned product segments and end-use sectors are analyzed in terms of value in USD for 2012-2022 analysis period. This report provides the comprehensive market analysis for hydraulic components by product segments and end-use sector for the global markets comprising North America, Europe, Asia-Pacific, Latin America and Rest of World.

Industrial sector is estimated the largest end-use market for hydraulic components with US$21 billion in 2016 and is also expected to post the fastest CAGR of 5.5% during the period 2016-2022 to touch US$29 billion by 2022.

The global market for Hydraulic Components is segmented into aforementioned five major regions. The regional markets further analyzed for 13 independent countries across North America – The United States and Canada; Europe – France, Germany, Italy, Spain and the United Kingdom; Asia-Pacific – China, India, Japan and South Korea; Latin America – Argentina and Brazil.

This 476 page global market research report includes 288 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. This report profiles 47 global players and 62 overall major players across the globe. The research also provides the listing of the companies engaged in research and development, manufacturing and supply of Hydraulic Components. The global list of companies covers the address, contact numbers and the website addresses of 901 companies.

Global Hydraulic Components Market Analysis (2012-2022) in USD Million

<table>
<thead>
<tr>
<th>Year</th>
<th>2012</th>
<th>2017</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales in USD Million</td>
<td>21</td>
<td>25</td>
<td>29</td>
</tr>
</tbody>
</table>
SAMPLE COMPANY PROFILE

BAILEY INTERNATIONAL LLC (UNITED STATES)
2527 Westcott Blvd, Knoxville TN 37931-3112
Phone: +1 (865) 588-6000, Fax: +1 (865) 588-6001
www.baileyhydraulics.com

Business Overview

Bailey International LLC (Bailey) is an industry leader in the mobile hydraulics industry and excels at manufacturing and distributing custom and standard components, including cylinders, pumps, motors, valves, hydraulic power units, and thousands of other products. The company maintains an extensive inventory of mobile hydraulic components. The company employs over 130 team members, has a product selection of more than 5,100 standard items, and can custom manufacture hydraulic cylinders and power units to meet customer specifications.

Bailey serves thousands of customers every year, from the average consumer or repair shop, to dealers, distributors and large original equipment manufacturers (OEMs), such as Volvo-USA and Caterpillar. The company’s primary sales channels include the BaileyHydraulics.com, SureGripControls.com, and MobileHydraulics.com websites, dealers, distributors, and direct OEMs. The company’s product offerings include hydraulic cylinders & components, hydraulic motors, hydraulic power units, directional control valves, gear pumps, filters & fluid cooling units, hydraulic hoses, fittings & assemblies, rods, tubes & cylinder components, bearings & chain, seats, wheels and other mobile products.

Product Portfolio

<table>
<thead>
<tr>
<th>Product</th>
<th>Types/usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydraulic Cylinders</td>
<td>A hydraulic cylinder is a mechanical actuator used to provide unidirectional force through a unidirectional stroke. Hydraulic cylinders are used in various industries and are available in a variety of configurations. Some of the hydraulic cylinders are hydraulic tie-rod, hydraulic welded, telescopic hydraulic, hydraulic loader, top link, snowplow and linear actuators</td>
</tr>
<tr>
<td>Hydraulic power units</td>
<td>The hydraulic power unit offerings include AC power, DC power, gas power, power unit remotes, reservoir tanks and jaw couplers</td>
</tr>
<tr>
<td>Hydraulic pumps</td>
<td>Hydraulic pumps are used in converting mechanical energy into fluid power energy. The list includes gear pumps, PTO pumps, clutch pumps, hand pumps, dump pumps, piston pumps and vane pumps.</td>
</tr>
<tr>
<td>Hydraulic motors</td>
<td>Hydraulic motors are used in converting fluid power energy into rotary mechanical energy. The product offering includes hydraulic motors, electric motors and steering valves</td>
</tr>
<tr>
<td>Valves and Accessories</td>
<td>Valves are used to manipulate the flow of hydraulic fluid within a hydraulic circuit and are activated either mechanically or electronically. The valves include directional control valve, sectional control, selector valves, relief valves, solenoid valves, flow valves and check valves.</td>
</tr>
</tbody>
</table>

SAMPLE TABLE/CHART

Glance at 2017 Global Hydraulic Components Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, Latin America and Rest of World

<table>
<thead>
<tr>
<th>Product Segment</th>
<th>Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps &amp; Motors and Other Hydraulic Components in USD Million</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>2017</td>
</tr>
<tr>
<td>Asia-Pacific</td>
<td>2012</td>
</tr>
</tbody>
</table>
| Key Players Profiled
- Atos S.p.A
- Avic Luyuan Hydraulic Co., Ltd.
- Bailey International LLC
- Beijing Huade Hydraulic Industrial Group Co., Ltd.
- Best Metal Products
- Bondioli-Pavesi S.p.A
- Bosch Rexroth AG
- Bucher Hydraulics GmbH
- Burnside Hydrcyl (Ballymoon) Ltd.
- Casappa S.p.A
- Caterpillar, Inc.
- Daikin Industries, Ltd
- Danfoss Power Solutions, Inc.
- Eaton Corporation Plc
- Energy Manufacturing Company, Inc.
- Hawe Hydraulik SE
- Hydropneu GmbH
- Hyva Holding B.V.

............................more
Dynamic Technologies Ltd (India) ........................................... 316
Jangyung Heng High pressure Oil Cylinder Co., Ltd. (China) ..... 318
Kawasaki Heavy Industries, Ltd. (Japan) .......................... 319
Kawasaki Precision Machinery Ltd. (Japan) ....................... 319
Kyob Corporation (Japan) .................................................... 320
Nachi-Fujikoshi Corp. (Japan) .............................................. 321
Pte Hydraulics Pty Ltd (Australia) ........................................... 322
Tokyo Keiki Inc. (Japan) ...................................................... 323
OShiba Machine Co., Ltd. (Japan) ........................................ 324
Wipro Infrastructure Engineering Limited (India) ............. 324
Yuchi Hydraulics Co., Ltd. (China) ....................................... 325
Yukken Kogyo Co., Ltd. (Japan) ........................................... 326
Zhejiang Stronger Hydraulic Co., Ltd. (China) .................. 326

3.5 Asia-Pacific Hydraulic Components Market Overview by Country ............................................... 327

3.5.1 China ...................................................................... 327

3.5.1.1 Chinese Hydraulic Components Market Overview by Product Segment .......................... 327
Chart 175: Chinese Hydraulic Components Market Analysis (2012-2022) by Product Segment – Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Other Hydraulic Components in USD Million ...... 327
Chart 176: Glance at 2012, 2017 and 2022 Chinese Hydraulic Components Market Share (%) by Product Segment – Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Other Hydraulic Components in USD Million ........ 327

3.5.1.2 Chinese Hydraulic Cylinders Market Overview by Type ......................................................... 329
Chart 177: Chinese Hydraulic Cylinders Market Analysis (2012-2022) by Type – Bladder, Diaphragm and Piston in USD Million ................................................. 329
Chart 178: Glance at 2012, 2017 and 2022 Chinese Hydraulic Cylinders Market Share (%) by Type – Bladder, Diaphragm and Piston ........................................... 330

3.5.1.3 Chinese Hydraulic Pumps & Motors Market Overview by Type ............................................... 332
Chart 179: Chinese Hydraulic Pumps & Motors Market Analysis (2012-2022) by Type – Double Acting and Single Acting in USD Million .................................. 332
Chart 180: Glance at 2012, 2017 and 2022 Chinese Hydraulic Pumps & Motors Market Share (%) by Type – Double Acting and Single Acting in USD Million ........ 332

3.5.1.4 Chinese Hydraulic Accumulators Market Overview by Type .................................................. 333
Chart 181: Chinese Hydraulic Accumulators Market Analysis (2012-2022) by Type – Gear, Piston and Vane in USD Million ...................................................... 333
Chart 182: Glance at 2012, 2017 and 2022 Chinese Hydraulic Accumulators Market Share (%) by Type – Gear, Piston and Vane .................................................. 334

3.5.2 India ...................................................................... 334

3.5.2.1 Indian Hydraulic Components Market Overview by Product Segment .................................. 334
Chart 183: Indian Hydraulic Components Market Analysis (2012-2022) by Product Segment – Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Other Hydraulic Components in USD Million ...... 334
Chart 184: Glance at 2012, 2017 and 2022 Indian Hydraulic Components Market Share (%) by Product Segment – Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Other Hydraulic Components in USD Million .......... 334

3.5.2.2 Indian Hydraulic Cylinders Market Overview by End-Use Sector .......................................... 335
Chart 185: Indian Hydraulic Cylinders Market Analysis (2012-2022) by End-Use Sector – Aerospace, Industrial, Marine and Mobile in USD Million ........ 335
Chart 190: Glance at 2012, 2017 and 2022 Indian Hydraulic Cylinders Market Share (%) by Type – Double Acting and Single Acting .................. 342

3.5.2.3 Indian Hydraulic Pumps & Motors Market Overview by Type .................................................. 343
Chart 191: Indian Hydraulic Pumps & Motors Market Analysis (2012-2022) by Type – Gear, Piston and Vane in USD Million .......... 343
Chart 192: Glance at 2012, 2017 and 2022 Indian Hydraulic Pumps & Motors Market Share (%) by Type – Gear, Piston and Vane ............................... 344

3.5.2.4 Indian Hydraulic Accumulators Market Overview by End-Use Sector ...................................... 344
Chart 193: Indian Hydraulic Accumulators Market Analysis (2012-2022) by End-Use Sector – Aerospace, Industrial, Marine and Mobile in USD Million ........ 344
Chart 194: Glance at 2012, 2017 and 2022 Indian Hydraulic Accumulators Market Share (%) by Type – Double Acting and Single Acting .................. 344

3.5.3 Japan ...................................................................... 347

3.5.3.1 Japanese Hydraulic Components Market Overview by Product Segment .................................. 347
Chart 195: Japanese Hydraulic Components Market Analysis (2012-2022) by Product Segment – Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Other Hydraulic Components in USD Million ...... 347
Chart 196: Glance at 2012, 2017 and 2022 Japanese Hydraulic Components Market Share (%) by Product Segment – Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Other Hydraulic Components in USD Million .......... 347

3.5.3.2 Japanese Hydraulic Cylinders Market Overview by Type ......................................................... 351
Chart 197: Japanese Hydraulic Cylinders Market Analysis (2012-2022) by Type – Bladder, Diaphragm and Piston in USD Million .............................................. 351
Chart 198: Glance at 2012, 2017 and 2022 Japanese Hydraulic Cylinders Market Share (%) by Type – Bladder, Diaphragm and Piston ........................................... 351

3.5.3.3 Japanese Hydraulic Pumps & Motors Market Overview by Type .............................................. 351

3.5.3.4 Japanese Hydraulic Accumulators Market Overview by Type .................................................. 352
Chart 201: Japanese Hydraulic Accumulators Market Analysis (2012-2022) by Type – Gear, Piston and Vane in USD Million .......... 352
Chart 202: Glance at 2012, 2017 and 2022 Japanese Hydraulic Accumulators Market Share (%) by Type – Gear, Piston and Vane .................................................. 352

3.5.4 South Korea .................................................. 357

3.5.4.1 South Korean Hydraulic Components Market Overview by Product Segment .................................. 357
Chart 203: South Korean Hydraulic Components Market Analysis (2012-2022) by Product Segment – Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Other Hydraulic Components in USD Million ...... 357
Chart 205: South Korean Hydraulic Components Market Analysis (2012-2022) by Type – Gear, Piston and Vane in USD Million .......... 357
Chart 206: Glance at 2012, 2017 and 2022 South Korean Hydraulic Components Market Share (%) by Type – Gear, Piston and Vane .................................................. 357
Market Overview by Type ........................................ 359

4. LATIN AMERICA .............................................. 377

4.4 Latin American Hydraulic Components Market
Overview by Product Segment .............................. 380

4.4.1 Argentine Hydraulic Components Market
Overview by Type .............................................. 382

4.4.1.1 Argentine Hydraulic Accumulators Market
Overview by Type ................................................ 392

4.4.1.1.1 Argentine Hydraulic Accumulators Market
Overview by Type ............................................... 392

4.4.1.1.2 Argentine Hydraulic Cylinders Market
Overview by Type .............................................. 394

4.4.1.1.3 Argentine Hydraulic Pumps & Motors
Market Overview by Type ...................................... 396

4.4.2 Brazilian Hydraulic Components Market
Overview by Product Segment .............................. 400

4.4.2.1 Brazilian Hydraulic Components Market
Overview by Product Segment – Accumulators, Control
Valves, Cylinders, Filters, Power Units, Pumps & Motors and
Other Hydraulic Components in USD Million .......... 404

4.4.2.1.1 Brazilian Hydraulic Accumulators Market
Overview by Type ............................................... 405

4.4.2.1.2 Brazilian Hydraulic Cylinders Market
Overview by Type .............................................. 406

4.4.2.1.3 Brazilian Hydraulic Pumps & Motors
Market Overview by Type ...................................... 408

4.4.2.1.3.1 Brazilian Hydraulic Pumps & Motors
Market Overview by Type .................................... 408

4.4.2.1.3.2 Brazilian Hydraulic Pumps & Motors
Market Analysis (2012-2022) by Type – Gear, Piston and Vane
in USD Million .................................................. 409

4.4.2.1.3.3 Brazilian Hydraulic Pumps & Motors
Market Analysis (2012-2022) by Type – Double Acting and Single Acting in USD Million ................. 409

4.4.2.1.3.4 Brazilian Hydraulic Cylinders Market
Overview by Type .............................................. 409

4.4.2.1.3.5 Brazilian Hydraulic Pumps & Motors
Market Overview by Type ...................................... 409

4.4.2.2 Brazilian Hydraulic Components Market
Overview by End-Use Sector ................................. 400

4.4.2.2.1 Brazilian Hydraulic Components Market
Overview by End-Use Sector – Aerospace, Industrial,
Marine and Mobile in USD Million ....................... 399

4.4.2.2.2 Brazilian Hydraulic Components Market
Overview by End-Use Sector – Aerospace, Industrial,
Marine and Mobile in USD Million ........................ 400

4.4.2.2.3 Brazilian Hydraulic Components Market
Overview by End-Use Sector – Aerospace, Industrial,
Marine and Mobile in USD Million ....................... 401

4.4.2.2.4 Brazilian Hydraulic Components Market
Overview by End-Use Sector – Aerospace, Industrial,
Marine and Mobile in USD Million ....................... 402

4.4.2.2.5 Brazilian Hydraulic Components Market
Overview by End-Use Sector – Aerospace, Industrial,
Marine and Mobile in USD Million ....................... 403

4.4.2.2.6 Brazilian Hydraulic Components Market
Overview by End-Use Sector – Aerospace, Industrial,
Marine and Mobile in USD Million ....................... 404

4.4.2.2.7 Brazilian Hydraulic Components Market
Overview by End-Use Sector – Aerospace, Industrial,
Marine and Mobile in USD Million ....................... 405
4.4.3 Mexico......................................................... 410
4.4.3.1 Mexican Hydraulic Components Market Overview by Product Segment .................. 410
Chart 258: Mexican Hydraulic Components Market Analysis (2012-2022) by Product Segment – Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Other Hydraulic Components in USD Million.................................................. 410
Chart 259: Glance at 2012, 2017 and 2022 Mexican Hydraulic Components Market Share (%) by Product Segment – Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Other Hydraulic Components.................................................. 421
4.4.4.1.1 Rest of Latin American Hydraulic Accumulators Market Overview by Type............. 422
Chart 271: Rest of Latin American Hydraulic Accumulators Market Analysis (2012-2022) by Type – Bladder, Diaphragm and Piston in USD Million.................................................. 422
Chart 271: Glance at 2012, 2017 and 2022 Rest of Latin American Hydraulic Accumulators Market Share (%) by Type – Bladder, Diaphragm and Piston.................................................. 423
4.4.4.1.2 Rest of Latin American Hydraulic Cylinders Market Overview by Type................. 424
Chart 272: Rest of Latin American Hydraulic Cylinders Market Analysis (2012-2022) by Type – Double Acting and Single Acting in USD Million.................................................. 424
4.4.4.1.3 Rest of Latin American Hydraulic Pumps & Motors Market Overview by Type......... 424
Chart 274: Rest of Latin American Hydraulic Pumps & Motors Market Analysis (2012-2022) by Type – Gear, Piston and Vane in USD Million.................................................. 424
Chart 275: Glance at 2012, 2017 and 2022 Rest of Latin American Hydraulic Pumps & Motors Market Share (%) by Type – Gear, Piston and Vane.................................................. 427
4.4.4.2 Rest of Latin American Hydraulic Accumulators Market Overview by Type............ 428
Chart 276: Rest of Latin American Hydraulic Accumulators Market Analysis (2012-2022) by End-Use Sector – Aerospace, Industrial, Marine and Mobile in USD Million.................................................. 428
Chart 277: Glance at 2012, 2017 and 2022 Rest of Latin American Hydraulic Accumulators Market Share (%) by End-Use Sector – Aerospace, Industrial, Marine and Mobile.................................................. 429
5. REST OF WORLD................................................. 430
Chart 278: Rest of World Hydraulic Components Market Analysis (2012-2022) in USD Million.................................................. 430
5.1 Rest of World Hydraulic Components Market Overview by Product Segment............. 430
Chart 279:Rest of World Hydraulic Components Market Analysis (2012-2022) by Product Segment – Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Other Hydraulic Components in USD Million.................................................. 431
5.2 Rest of World Hydraulic Components Market Overview by End-Use Sector............... 439
Chart 280: Glance at 2012, 2017 and 2022 Rest of World Hydraulic Components Market Share (%) by Product Segment – Accumulators, Control Valves, Cylinders, Filters, Power Units, Pumps & Motors and Other Hydraulic Components.................................................. 432
5.1.1 Rest of World Hydraulic Accumulators Market Overview by Type.......................... 433
Chart 281: Rest of World Hydraulic Accumulators Market Analysis (2012-2022) by Type – Bladder, Diaphragm and Piston in USD Million.................................................. 433
Chart 282: Glance at 2012, 2017 and 2022 Rest of World Hydraulic Accumulators Market Share (%) by Type – Bladder, Diaphragm and Piston.................................................. 434
5.1.2 Rest of World Hydraulic Cylinders Market Overview by Type................................. 435
Chart 283: Rest of World Hydraulic Cylinders Market Analysis (2012-2022) by Type – Double Acting and Single Acting in USD Million.................................................. 435
Chart 284: Glance at 2012, 2017 and 2022 Rest of World Hydraulic Cylinders Market Share (%) by Type – Double Acting and Single Acting.................................................. 436
5.1.3 Rest of World Hydraulic Pumps & Motors Market Overview by Type...................... 437
Chart 285: Rest of World Hydraulic Pumps & Motors Market Analysis (2012-2022) by Type – Gear, Piston and Vane in USD Million.................................................. 437
Chart 286: Glance at 2012, 2017 and 2022 Rest of World Hydraulic Pumps & Motors Market Share (%) by Type – Gear, Piston and Vane.................................................. 438
5.2 Rest of World Hydraulic Components Market Overview by End-Use Sector............... 439
Chart 287: Rest of World Hydraulic Components Market Analysis (2012-2022) by End-Use Sector – Aerospace, Industrial, Marine and Mobile in USD Million.................................................. 439
Chart 288: Glance at 2012, 2017 and 2022 Rest of World Hydraulic Components Market Share (%) by End-Use Sector – Aerospace, Industrial, Marine and Mobile.................................................. 440
PART C: GUIDE TO THE INDUSTRY................. 441
1. NORTH AMERICA................................. 441
2. EUROPE ................................................ 445
3. ASIA-PACIFIC................................. 448
4. LATIN AMERICA......................... 474
5. REST OF WORLD.......................... 474
PART D: ANNEXURE.............................. 475
1. RESEARCH METHODOLOGY................. 475
2. FEEDBACK ........................................ 477

About Industry Experts

Industry Experts values the most updated and accurate market research and industry analysis to provide unique market research reports for a broad range of industry verticals including Automotive, Transportation, Healthcare, Pharmaceuticals, Food & Beverages, Chemicals, Plastics, Materials, Consumer Goods, Retail, Biotechnology, Construction, Manufacturing and Other industries. Our research reports help our clients to identify and resolve topical issues by providing a complete picture of the market in their respective industry sectors. The Company’s rich collection of market research reports enable the companies to explore market drivers; forecast the future market; and to formulate the right strategies at the right time.

Industry Experts’ leading edge publications makes the life easy for corporate strategists, investors, analysts and researchers, start ups, consultants, financial and banking executives, academicians and many more. The company also provides customized research reports to cater the needs of the industry.

More about Industry Experts