

Pneumatic Equipment Pharmaceutical and Healthcare Analysis Information

Market Overview of Pneumatic Equipment pipeline Landscape

PUNE , INDIA, March 8, 2018 /EINPresswire.com/ -- Summary

Pneumatics work with compressed air to produce mechanical motion. [Pneumatic equipment](#) can be used in volatile environments where hydraulic and electric tools cannot be used. Thus, pneumatic equipment is safer and is increasingly being adopted by end users for more and more industrial applications, thus making industrial pneumatic applications among the most widely used power technologies in modern industry. Systems based on pneumatic equipment are found in many factories, as energy produced by pneumatic equipment can be more flexible, less costly, more reliable, and less dangerous than some actuators and electric motors. Additionally, pneumatic equipment is easy to use, clean, safe, and quiet, creating better working environments and saving energy. Pneumatic equipment is used worldwide in the construction and mining industries, transport systems, diving, dentistry, and many other applications. A pneumatic system is often the preferred system of use because of its availability and safety attributes.

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Among the various types of pneumatic equipment, pneumatic actuators occupy the pride of place, being the largest product category among many other types of pneumatic equipment. Pneumatic actuators along with secondary air treatment systems had a market valued at nearly REDACTED and REDACTED in 2016 and 2017, respectively, and are expected to reach approximately REDACTED in 2022, with an expected CAGR of REDACTED for the five-year period from 2017 to 2022. This is followed by the market for pneumatic compressors with respective motors and controls, which amounted to nearly REDACTED in 2016 and REDACTED in 2017, and which is further expected to increase to more than REDACTED by 2022, with an expected CAGR of REDACTED over the same five-year period.

The advancement of compressor technology has been promoted by increased awareness of energy expenditure savings and expansion of industrialization. Energy-efficient air compressors help in various industrial and nonindustrial activities. It is anticipated that availability of such energy-efficient compressors will increase the demand for air compressors. This technological advancement works towards reducing noise and air contamination levels in the particular industries where the compressors are used.

Market growth will be aided by the improvements being made in the design and sealing technology for pneumatic actuators. There is vast improvement in pneumatic sealing technology with the availability of a range of composite materials such as synthetic esters, which extend product lifetime and reduce the costs of operating pneumatic actuators. Also, new permanent lubricating materials such as synthetic ester have extended the life of non-repairable actuators. New application opportunities for pneumatic actuators have led to these technological advances.

Compressed air generation, air preparation, the distribution system, and compressed air applications

are some of the numerous functions for a pneumatic system. Cost-effective and sensible improvements need to be made in each of these above functions to lower energy consumption and carbon emissions. Although pneumatic actuators have been widely used in industry and other application areas, they generally have a low energy efficiency. Research on improving the energy efficiency of pneumatic actuator systems has been carried out and an improved control strategy has been developed for pneumatic systems that is based on an idea of saving energy through better controls that can save between 1.5% to 2.0% of compressed air.

Major companies include Advanced Pneumatics Co. Inc., Duncan Engineering Ltd., Eaton Corp., Exair Corp., Hitachi Koki Co. Ltd. Festo Inc. and Gardner Denver Inc. ADVANCED PNEUMATICS CO. INC.

AERZENER MASCHINENFABRIK GMBH

AIR CONTROL INDUSTRIES LTD.

AIR SYSTEMS INTERNATIONAL INC.

AIRCEL CORP.

AIRTAC INTERNATIONAL GROUP

AIRTX INTERNATIONAL

AIRWORK PNEUMATIC EQUIPMENT SRL

ALLEN AIR CORP.

AMERICAN PNEUMATIC TOOL INC.

APEX TOOL GROUP LLC

ASAHI/AMERICA INC.

ASCO JOUCOMATIC LTD.

ASCO NUMATICS GMBH

ASCO NUMATICS SIRAI SRL

ASCO SAS

ASHUN FLUID POWER CO. LTD.

ATLAS COPCO AB

AVENTICS CORP.

BASSO INDUSTRY CORP.

BI-TORQ VALVE AUTOMATION

BIMBA MANUFACTURING CO. INC.

BOSCH REXROTH AG

BURKERT FLUID CONTROL SYSTEMS

DESTACO

DONALDSON CO. INC.

EATON CORP.

EBARA CORP.

EMERSON CLIMATE TECHNOLOGIES INC.

HITACHI KOKI CO. LTD.

MITSUBISHI HEAVY INDUSTRIES LTD.

NORGREN INC.

PENTAIR INC.

Report Scope:

The report has been prepared in a clear, easily understandable format with a number of tables and charts/figures. The scope of the report includes a detailed study of global and regional markets for various types of pneumatic equipment and their applications, including an explanation of the variations in the growth of the industry in certain regions.

This report covers only standard pneumatic equipment and does not cover unconventional types of pneumatic equipment used in special and one-off applications. Estimated values indicated in this

report are based on manufacturers' total revenues.

Report Includes:

- 76 data tables
 - An overview of the global markets for pneumatic equipment including pneumatic cylinders and valves, and others such as pneumatic power engines and motors
 - Analyses of global market trends, with data from 2016 and 2017, and projections of compound annual growth rates (CAGRs) through 2022
 - Information on pneumatic equipment that are segmented as grippers, rotary cylinders, and compact cylinders, locking head and multi-positional cylinders, and rod slide units
 - Breakdowns of pneumatic equipment applications into categories, including material handling, food processing and packaging, high tech products and electronics, aerospace and defense, machine tools and others
 - A look at cutting edge developments, trends in price, and potential business opportunities
 - Company profiles, including overseas manufacturers as well as development stage companies, that are involved in the pneumatic equipment technology.
- ...Continued

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