

# **Actuator & Electronic Components Market in Commercial Aviation, by Systems (Mechanical, Electrical, & Digital Electronics), Vertical (Narrow Body, Wide Body, Very Large, & Regional Transport Aircraft) and Geography - Global Trends & Forecasts to 2013 - 2020**

<https://marketpublishers.com/r/A9D592D273FEN.html>

Date: May 2014

Pages: 240

Price: US\$ 5,650.00 (Single User License)

ID: A9D592D273FEN

## **Abstracts**

Actuators are components used to set a system in the motion and control its mechanism. They convert energy into motion; such energy is taken from pneumatic or hydraulic fluid pressure or by electric current. They are categorized as electrical, hydraulic, pneumatic, and mechanical. They are widely used in electromagnetic brakes, landing gears, seat actuation, manual drives, load limiters, clutches, and position feedback for commercial aircrafts.

The report deals with all the driving forces, restraints, and opportunities with respect to the actuation technologies and electrical components market, which are helpful in identifying trends and key success factors for the industry. It also includes Porter's analysis of components and products. It profiles major companies active in this market. It provides competitive landscape of the key players that covers the key growth strategies. The report also formulates the entire value chain of the market. The key players in the actuator and electronic component market covered in the report are Curtiss Wright (U.S.), Honeywell international Inc. (U.S.), Microsemi Corporation (U.S.), Moog, Inc. (U.S.), Parker Hannifin Corporation (U.S.), Rockwell Collins Inc. (U.S.), Saab AB (Sweden), Safran SA (France), and Thales SA (France).

## **Key Take-Aways**

Analysis of the global actuators and electrical components market by product, technology, application, industry vertical, and geography with the overall market statistics as well as detailed classification and splits by market revenue

Impact analysis of the actuators and electrical components market, which elaborates the factors currently driving and inhibiting the growth of this market as well as their impact in the short and long-term

Strategic analysis of each sub-segmented market with respect to the individual growth trends and their contribution to the overall actuators and electrical components market

Defining the opportunities present in the market for stakeholders by identifying high-growth segments of the market

Detailed competitive landscape, along with the identification of the key players in each type of product market with the help of their company profiles, key strategies, and latest developments, in order to analyze their respective market shares and core competencies

Seven year revenue forecast (2014-2020) of the global actuators and electrical components market and its various submarkets with respect to the four main geographies, namely Americas, Europe, APAC, and Rest of the World (RoW). RoW includes Middle East and Africa

Porter's five forces analysis in detail along with technology and market roadmaps, evolution and history of actuators, and its respective markets

Complete value chain, allied industry segments, and value chain analysis of the global actuators and electrical components market

Company profiles of key industry players active in the global actuators and electrical components market and analysis of their market shares, core competencies, and key strategies in different segments

## Contents

### **1 INTRODUCTION**

- 1.1 OBJECTIVES
- 1.2 REPORT DESCRIPTION
- 1.3 MARKETS COVERED
- 1.4 STAKEHOLDERS
- 1.5 RESEARCH METHODOLOGY
  - 1.5.1 MARKET SIZE ESTIMATION
  - 1.5.2 MARKET CRACKDOWN AND DATA TRIANGULATION
  - 1.5.3 KEY DATA FROM SECONDARY SOURCES
  - 1.5.4 KEY DATA FROM PRIMARY SOURCES
  - 1.5.5 MARKET DEFINITION AND SCOPE
  - 1.5.6 ASSUMPTIONS
  - 1.5.7 LIST OF COMPANIES COVERED IN THE STUDY

### **2 EXECUTIVE SUMMARY**

### **3 MARKET OVERVIEW**

- 3.1 MARKET DEFINITION
- 3.2 MARKET SEGMENTATION
- 3.3 MARKET DYNAMICS
- 3.4 DRIVERS
  - 3.4.1 ADOPTION OF ELECTRICAL ACTUATION SOLUTIONS
  - 3.4.2 EMERGING ACTUATOR TECHNOLOGIES
  - 3.4.3 GREEN ENVIRONMENT MEASURES
- 3.5 RESTRAINTS
  - 3.5.1 CUSTOMIZED REQUIREMENTS FROM CUSTOMERS
  - 3.5.2 OBSOLESCENCE OF ELECTRONIC COMPONENTS FROM THE MARKET FOR AEROSPACE INDUSTRY
  - 3.5.3 AIRCRAFT ORDER BACKLOG
- 3.6 OPPORTUNITY
  - 3.6.1 INCREASING DEMAND OF AIRCRAFT
- 3.7 BURNING ISSUE
  - 3.7.1 HYDRAULIC ACTUATORS ARE HIGH MAINTENANCE ALTHOUGH, LOW PRICED AND EASY TO INSTALL
- 3.8 WINNING IMPERATIVE

### 3.8.1 NEED FOR ECOFRIENDLY, HIGH PERFORMANCE AND POWER EFFICIENT SYSTEMS

### 3.9 PORTER'S FIVE FORCES MODEL

### 3.10 DEGREE OF COMPETITION

### 3.11 BARGAINING POWER OF BUYERS

### 3.12 BARGAINING POWER OF SUPPLIERS

### 3.13 THREAT FROM SUBSTITUTES

### 3.14 THREAT FROM NEW ENTRANTS

### 3.15 DISTRIBUTION SYSTEMS

#### 3.15.1 CENTRALIZED ELECTRICAL POWER DISTRIBUTION SYSTEM (CEPDS)

#### 3.15.2 SEMI-DISTRIBUTED ELECTRICAL POWER DISTRIBUTION SYSTEM (SDEPDS)

#### 3.15.3 ADVANCED ELECTRICAL POWER DISTRIBUTION SYSTEM (AEPDS)

#### 3.15.4 FAULT-TOLERANT ELECTRICAL POWER DISTRIBUTION SYSTEM (FTEPDS)

## 4 MARKET BY SYSTEMS

### 4.1 INTRODUCTION

### 4.2 MECHANICAL SYSTEMS MARKET

#### 4.2.1 ACTUATORS

##### 4.2.1.1 Hydraulic Actuators

##### 4.2.1.1.1

##### 4.2.1.2 Electric Actuators

##### 4.2.1.3 Pneumatic Actuator

##### 4.2.1.3.1

##### 4.2.1.4 Mechanical Actuators

##### 4.2.1.4.1

##### 4.2.1.5 Electromechanical actuators market

##### 4.2.1.5.1

##### 4.2.1.6 Electrohydraulic Actuators

##### 4.2.1.6.1

### 4.3 MOTORS MARKET

#### 4.3.1 MAJOR COMPANIES OFFERING MOTORS

#### 4.3.2 MOTORS USED IN COMMERCIAL AIRCRAFT: MARKET SIZE

##### 4.3.2.1 AC MOTORS

##### 4.3.2.1.1

##### 4.3.2.1.2

##### 4.3.2.2 DC Motors

4.3.2.2.1

4.3.2.2.2

#### 4.3.3 MOTORS MARKET SIZE BY APPLICATION

##### 4.3.3.1 PUMPS

4.3.3.1.1

##### 4.3.3.2 FANS

4.3.3.2.1

##### 4.3.3.3 COMPRESSORS

4.3.3.3.1

#### 4.3.4 VALVES MARKET

4.3.4.1 Major companies offering valves

#### 4.4 ELECTRICAL SYSTEMS MARKET

##### 4.4.1 POWER DISTRIBUTION SYSTEMS

4.4.1.1 Major companies offering power distribution systems

4.4.1.2 Power Controllers

4.4.1.3 Power Switches

4.4.1.4 AC-DC Converters

4.4.1.5 DC-AC Converters

4.4.1.6 DC-DC Converters

4.4.1.7 Bidirectional DC-DC Converter

##### 4.4.2 AUXILIARY POWER UNIT (APU)

4.4.2.1 Major companies offering auxiliary power

##### 4.4.3 GENERATORS

4.4.3.1 Major companies offering generators

##### 4.4.4 POWER CONVERSION SYSTEMS

4.4.4.1 Major companies offering power conversion systems

#### 4.5 DIGITAL ELECTRONICS MARKET

##### 4.5.1 FPGA

4.5.1.1 Major companies offering FPGA

4.5.1.2 FPGA Market Size By Application

4.5.1.2.1

4.5.1.2.2

##### 4.5.2 INTEGRATED CIRCUIT

4.5.2.1 Major companies offering integrated circuit

##### 4.5.3 POTENTIOMETER

4.5.3.1 Major companies offering potentiometer

##### 4.5.4 HEALTH MONITORING SYSTEMS

4.5.4.1 Sensors

4.5.4.1.1

4.5.4.1.2

4.5.4.1.3

4.5.4.2 Micro-Electro Mechanical Devices

4.5.4.2.1

4.5.5 MOSFETS

4.5.5.1 Major companies offering MOSFET

4.5.5.2 Dual-Gate MOSFET

4.5.5.2.1

4.5.5.3 Depletion-Mode MOSFET

4.5.5.3.1

4.5.5.4 NMOS Logic

4.5.5.5 Power MOSFET

4.5.5.5.1

4.5.5.6 DMOS

4.5.5.6.1

4.5.5.7 DRIVER

4.5.5.7.1

4.5.5.7.2

4.5.6 IGBT

4.5.6.1 Major companies offering IGBT

4.5.6.2 DRIVERS

4.5.6.2.1

4.5.6.2.2

4.5.7 DIODES AND RECTIFIERS

4.5.7.1 TRANSIENT VOLTAGE SUPPRESSION DIODE

4.5.8 THYRISTORS

4.5.9 BIPOLAR JUNCTION TRANSISTOR (BJT)

4.5.9.1 Major companies offering bipolar junction transistor

4.5.9.2 BJT By Structure

4.5.9.2.1

4.5.9.2.2

4.5.9.2.3

4.5.9.3 BJT By Application

4.5.9.3.1

4.5.9.3.2

## **5 MARKET BY VERICAL**

### **5.1 COMMERCIAL AIRCRAFT**

- 5.1.1 NARROW BODY
- 5.1.2 WIDE BODY
- 5.1.3 VERY LARGE AIRCRAFT
- 5.1.4 REGIONAL TRANSPORTATIONAL AIRCRAFT

## **6 MARKET BY GEOGRAPHY**

- 6.1 INTRODUCTION
  - 6.1.1 NORTH AMERICA
  - 6.1.2 EUROPE
  - 6.1.3 APAC
  - 6.1.4 ROW

## **7 COMPETITIVE LANDSCAPE**

- 7.1 INTRODUCTION
  - 7.1.1 KEY GROWTH STRATEGIES
  - 7.1.2 MARKET SHARE ANALYSIS OF ACTUATORS AND ELECTRICAL COMPONENT PROVIDERS IN COMMERCIAL AVIATION
  - 7.1.3 JOINT VENTURES/CONTRACTS/PARTNERSHIPS AND AGREEMENTS
  - 7.1.4 OTHER STRATEGIES
  - 7.1.5 MERGERS AND ACQUISITION
  - 7.1.6 NEW PRODUCT LAUNCH

## **8 COMPANY PROFILES (OVERVIEW, PRODUCTS AND SERVICES, FINANCIALS, STRATEGY & DEVELOPMENT)**

- 8.1 CRANE CO.
- 8.2 CURTISS WRIGHT CORPORATION
- 8.3 EATON CORPORATION
- 8.4 HONEYWELL INTERNATIONAL INC.
- 8.5 LIEBHERR INTERNATIONAL AG
- 8.6 MEGGITT PLC.
- 8.7 MICROSEMI CORPORATION
- 8.8 MOOG INC.
- 8.9 PARKER HANNIFIN CORPORATION
- 8.10 ROCKWELL COLLINS INC.
- 8.11 SAAB AB
- 8.12 SAFRAN SA

8.13 THALES SA

8.14 UNITED TECHNOLOGIES CORP.

8.15 WOODWARD INC. (Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies.)



## List Of Tables

### LIST OF TABLES

TABLE 1 MARKET DEFINITION AND SCOPE

TABLE 2 ASSUMPTIONS

TABLE 3 LIST OF COMPANIES COVERED

TABLE 4 DRIVERS: IMPACT ANALYSIS, 2014-2020

TABLE 5 RESTRAINTS: IMPACT ANALYSIS 2014-2020

TABLE 6 OPPORTUNITY: IMPACT ANALYSIS 2014-2020

TABLE 7 QUANTIFICATION OF PORTER'S FIVE FORCES ANALYSIS

TABLE 8 QUANTIFICATION OF DEGREE OF COMPETITION

TABLE 9 QUANTIFICATION OF BARGAINING POWER OF BUYERS

TABLE 10 QUANTIFICATION OF BARGAINING POWER OF SUPPLIERS

TABLE 11 QUANTIFICATION OF THREATS FROM SUBSTITUTES

TABLE 12 QUANTIFICATION OF THREAT FROM NEW ENTRANTS

TABLE 13 COMMERCIAL AVIATION MARKET SIZE, BY SYSTEM, 2013-2020  
(\$BILLION)

TABLE 14 MECHANICAL SYSTEMS MARKET SIZE FOR COMMERCIAL AVIATION,  
BY COMPONENT, 2013-2020 (\$BILLION)

TABLE 15 MECHANICAL SYSTEM MARKET SIZE FOR COMMERCIAL AVIATION,  
BY GEOGRAPHY, 2013-2020 (\$BILLION)

TABLE 16 ACTUATORS MARKET SIZE, BY TYPE, 2013-2020 (\$MILLION)

TABLE 17 ACTUATORS MARKET SIZE FOR COMMERCIAL AVIATION, BY  
GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 18 HYDRAULIC ACTUATORS MARKET SIZE FOR COMMERCIAL AVIATION,  
BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 19 ELECTRIC ACTUATORS MARKET SIZE FOR COMMERCIAL AVIATION,  
BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 20 PNEUMATIC ACTUATORS MARKET SIZE FOR COMMERCIAL AVIATION,  
BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 21 MECHANICAL ACTUATORS MARKET SIZE FOR COMMERCIAL  
AVIATION, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 22 ELECTROMECHANICAL ACTUATORS MARKET SIZE FOR COMMERCIAL  
AVIATION, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 23 ELECTROHYDRAULIC ACTUATORS MARKET SIZE FOR COMMERCIAL  
AVIATION, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 24 MOTORS MARKET SIZE, BY TYPES, 2013-2020 (\$BILLION)

TABLE 25 MOTORS MARKET SIZE, BY APPLICATION, 2013 - 2020 (\$BILLION)

TABLE 26 VALVES MARKET SIZE, BY TYPE, 2013-2020 (\$MILLION)

TABLE 27 COMMERCIAL AVIATION MARKET SIZE FOR ELECTRICAL SYSTEMS, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 28 ELECTRICAL SYSTEM MARKET SIZE FOR COMMERCIAL AVIATION, BY GEOGRAPHY, 2013 - 2020 (\$BILLION)

TABLE 29 POWER DISTRIBUTION SYSTEM MARKET SIZE, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 30 COMMERCIAL AVIATION MARKET SIZE FOR DIGITAL ELECTRONICS, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 31 DIGITAL ELECTRONICS MARKET SIZE FOR COMMERCIAL AVIATION, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 32 FPGA MARKET SIZE, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 33 ICS MARKET SIZE, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 34 POTENTIOMETER MARKET SIZE, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 35 HEALTH MONITORING SYSTEMS MARKET SIZE, BY DEVICE, 2013-2020 (\$MILLION)

TABLE 36 SENSORS MARKET SIZE, BY TYPE, 2013-2020, (\$MILLION)

TABLE 37 MOSFET MARKET SIZE BY TYPE, 2013-2020 (\$MILLION)

TABLE 38 MOSFET MARKET SIZE, BY DRIVER, 2013-2020 (\$MILLION)

TABLE 39 IGBT MARKET SIZE, BY DRIVER, 2013-2020 (\$MILLION)

TABLE 40 DIODES AND RECTIFIERS MARKET SIZE, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 41 BIPOLAR JUNCTION TRANSISTOR MARKET SIZE, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 42 MECHANICAL SYSTEM MARKET SIZE FOR COMMERCIAL AIRCRAFT, BY VERTICAL, 2013-2020 (\$BILLION)

TABLE 43 ELECTRICAL SYSTEMS MARKET SIZE FOR COMMERCIAL AIRCRAFT, BY VERTICAL, 2013-2020 (\$BILLION)

TABLE 44 DIGITAL ELECTRONICS MARKET SIZE FOR COMMERCIAL AIRCRAFT, BY VERTICAL, 2013-2020 (\$BILLION)

TABLE 45 ACTUATORS MARKET SIZE FOR COMMERCIAL AIRCRAFT, BY VERTICAL, 2013-2020 (\$BILLION)

TABLE 46 HYDRAULIC ACTUATORS MARKET SIZE FOR COMMERCIAL AIRCRAFT, BY VERTICAL, 2013-2020 (\$BILLION)

TABLE 47 ELECTRICAL ACTUATORS MARKET SIZE FOR COMMERCIAL AIRCRAFT, BY VERTICAL, 2013-2020 (\$MILLION)

TABLE 48 PNEUMATIC ACTUATORS MARKET SIZE FOR COMMERCIAL AIRCRAFT, BY VERTICAL, 2013-2020 (\$MILLION)

TABLE 49 MECHANICAL ACTUATORS MARKET SIZE FOR COMMERCIAL AIRCRAFT, BY VERTICAL, 2013-2020 (\$MILLION)

TABLE 50 ELECTROMECHANICAL ACTUATORS MARKET SIZE FOR COMMERCIAL AIRCRAFT, BY VERTICAL, 2013-2020 (\$MILLION)

TABLE 51 ELECTRO-HYDRAULIC ACTUATORS MARKET SIZE FOR COMMERCIAL AIRCRAFT, BY VERTICAL, 2013-2020 (\$MILLION)

TABLE 52 MECHANICAL SYSTEMS MARKET SIZE FOR NARROW BODY AIRCRAFT, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 53 ELECTRICAL SYSTEMS MARKET SIZE FOR NARROW BODY AIRCRAFT, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 54 DIGITAL ELECTRONICS MARKET SIZE FOR NARROW BODY AIRCRAFT, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 55 MECHANICAL SYSTEMS MARKET SIZE FOR WIDE BODY AIRCRAFT, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 56 ELECTRICAL SYSTEMS MARKET SIZE FOR WIDE BODY AIRCRAFT, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 57 DIGITAL ELECTRONICS MARKET SIZE FOR WIDE BODY AIRCRAFT, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 58 MARKET DEMAND FOR NEW AIRPLANES BY VOLUME AND VALUE, BY REGION

TABLE 59 MECHANICAL SYSTEMS MARKET SIZE FOR VERY LARGE AIRCRAFT, BY COMPONENT, 2013-2020 (\$BILLION)

TABLE 60 ELECTRICAL SYSTEMS MARKET SIZE FOR VERY LARGE AIRCRAFT, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 61 DIGITAL ELECTRONICS MARKET SIZE FOR VERY LARGE AIRCRAFT, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 62 NET ORDERS OF AIRCRAFT BY TYPE AND COMPANY

TABLE 63 MECHANICAL SYSTEMS MARKET SIZE FOR CARGO AIRCRAFT, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 64 ELECTRICAL SYSTEMS MARKET SIZE FOR CARGO AIRCRAFT, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 65 DIGITAL ELECTRONICS MARKET SIZE FOR CARGO AIRCRAFT, BY COMPONENT, 2013-2020 (\$MILLION)

TABLE 66 ACTUATORS AND ELECTRICAL COMPONENTS MARKET SIZE FOR COMMERCIAL AVIATION, BY GEOGRAPHY (\$BILLION)

TABLE 67 ACTUATORS MARKET SIZE FOR COMMERCIAL AVIATION, BY GEOGRAPHY (\$BILLION)

TABLE 68 NORTH AMERICA COMMERCIAL AVIATION MARKET SIZE, BY SYSTEM, 2013-2020 (\$BILLION)

TABLE 69 EUROPE COMMERCIAL AVIATION MARKET SIZE BY SYSTEM,  
2013-2020, (\$MILLION)

TABLE 70 APAC COMMERCIAL AVIATION MARKET SIZE, BY SYSTEM, 2013-2020  
(\$MILLION)

TABLE 71 ROW COMMERCIAL AVIATION MARKET SIZE, BY SYSTEM, 2013-2020  
(\$MILLION)

TABLE 72 JOINT VENTURES/CONTRACTS/PARTNERSHIPS AND AGREEMENTS IN  
THE ACTUATORS AND ELECTRICAL COMPONENTS MARKET

TABLE 73 OTHER STRATEGIES IN THE ACTUATORS AND ELECTRICAL  
COMPONENTS MARKET

TABLE 74 MERGERS AND ACQUISITIONS IN ACTUATORS AND ELECTRICAL  
COMPONENTS MARKET

TABLE 75 NEW PRODUCT LAUNCH STRATEGY IN ACTUATORS AND  
ELECTRICAL COMPONENTS MARKET

## List Of Figures

### LIST OF FIGURES

FIGURE 1 ACTUATORS AND ELECTRICAL COMPONENTS MARKET SEGMENTATION

FIGURE 2 ACTUATORS AND ELECTRICAL COMPONENTS MARKET RESEARCH METHODOLOGY

FIGURE 3 ACTUATORS AND ELECTRICAL COMPONENTS MARKET SIZE ESTIMATION

FIGURE 4 ACTUATORS AND ELECTRICAL COMPONENTS MARKET CRACKDOWN AND DATA TRIANGULATION

FIGURE 5 ACTUATORS AND ELECTRICAL COMPONENTS MARKET SIZE, BY GEOGRAPHY, 2013–2020 (%)

FIGURE 6 MARKET SEGMENTATION OF AIRCRAFT COMPONENTS

FIGURE 7 GLOBAL ACTUATORS AND ELECTRICAL COMPONENT MARKET: PORTER'S FIVE FORCE ANALYSIS

FIGURE 8 ACTUATORS AND ELECTRICAL COMPONENTS MARKET: DEGREE OF COMPETITION

FIGURE 9 ACTUATORS AND ELECTRICAL COMPONENTS MARKET: BARGAINING POWER OF THE BUYERS

FIGURE 10 ACTUATORS AND ELECTRICAL COMPONENTS MARKET: BARGAINING POWER OF THE SUPPLIERS

FIGURE 11 ACTUATORS AND ELECTRICAL COMPONENTS: THREAT FROM SUBSTITUTES

FIGURE 12 ACTUATORS AND ELECTRICAL COMPONENTS MARKET: THREAT FROM NEW ENTRANTS

FIGURE 13 TYPES OF NARROW BODY AIRCRAFTS

FIGURE 14 TYPES OF WIDE BODY AIRCRAFTS

FIGURE 15 REGIONAL TRANSPORTATION AIRCRAFT

FIGURE 16 KEY GROWTH STRATEGIES OF ACTUATORS AND ELECTRICAL COMPONENTS MARKET FOR COMMERCIAL AVIATION,

FIGURE 17 ACTUATORS AND ELECTRICAL COMPONENTS MARKET: COMPANIES AND THEIR MARKET SHARE IN COMMERCIAL AVIATION

FIGURE 18 CRANE CO.: COMPANY SNAPSHOT

FIGURE 19 CRANE CO.: PRODUCT OFFERINGS

FIGURE 20 CURTISS WRIGHT CORPORATION: COMPANY SNAPSHOT

FIGURE 21 CURTISS WRIGHT CORPORATION: PRODUCT OFFERINGS

FIGURE 22 EATON CORPORATION: COMPANY SNAPSHOT

FIGURE 23 EATON CORPORATION: PRODUCT OFFERINGS  
FIGURE 24 HONEYWELL INTERNATIONAL INC.: COMPANY SNAPSHOT  
FIGURE 25 HONEYWELL INTERNATIONAL INC.: PRODUCT OFFERINGS  
FIGURE 26 HONEYWELL INTERNATIONAL INC.: SWOT ANALYSIS  
FIGURE 27 LIEBHERR-INTERNATIONAL AG: COMPANY SNAPSHOT  
FIGURE 28 LIEBHERR GROUP: PRODUCT OFFERINGS  
FIGURE 29 LIEBHERR-INTERNATIONAL AG: SERVICE OFFERINGS  
FIGURE 30 MEGGITT: COMPANY SNAPSHOT  
FIGURE 31 MEGGITT: PRODUCT OFFERINGS  
FIGURE 32 MICROSEMI CORPORATION: COMPANY SNAPSHOT  
FIGURE 33 MICROSEMI CORPORATION: SWOT ANALYSIS  
FIGURE 34 MOOG INC.: COMPANY SNAPSHOT  
FIGURE 35 MOOG INC.: PRODUCT OFFERINGS  
FIGURE 36 MOOG INC.: SWOT ANALYSIS  
FIGURE 37 PARKER HANNIFIN CORPORATION: COMPANY SNAPSHOT  
FIGURE 38 PARKER HANNIFIN CORPORATION: PRODUCT OFFERINGS  
FIGURE 39 ROCKWELL COLLINS: COMPANY SNAPSHOT  
FIGURE 40 ROCKWELL COLLINS: PRODUCT OFFERINGS  
FIGURE 41 ROCKWELL COLLINS: SWOT ANALYSIS  
FIGURE 42 SAAB AB: COMPANY SNAPSHOT  
FIGURE 43 SAAB AB: PRODUCT OFFERINGS  
FIGURE 44 SAAB AB: SWOT ANALYSIS  
FIGURE 45 SAFRAN SA: COMPANY SNAPSHOT  
FIGURE 46 SAFARN SA: PRODUCT OFFERINGS  
FIGURE 47 THALES SA: COMPANY SNAPSHOT  
FIGURE 48 THALES SA: PRODUCT OFFERINGS  
FIGURE 49 UTC: COMPANY SNAPSHOT  
FIGURE 50 UTC: PRODUCT OFFERINGS  
FIGURE 51 WOODWARD: COMPANY SNAPSHOT  
FIGURE 52 WOODWARD: PRODUCT OFFERINGS

## I would like to order

Product name: Actuator & Electronic Components Market in Commercial Aviation, by Systems (Mechanical, Electrical, & Digital Electronics), Vertical (Narrow Body, Wide Body, Very Large, & Regional Transport Aircraft) and Geography - Global Trends & Forecasts to 2013 - 2020

Product link: <https://marketpublishers.com/r/A9D592D273FEN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A9D592D273FEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970