



Actuation

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Company index:

This list is sorted alphabetically by company name, and provides contact telephone and web address details. It also lists the products or services of the company under our Actuation category and, where available, the new aircraft programs to which these are provided. Please note that the program data is gathered from a variety of sources and not necessarily confirmed by the airframer.

AEE Aircraft Electronic Engineering GmbH (Germany)

Argelsrieder Feld 1A, D-82234 Wessling.
T: +49 8153 400670 www.aee.aero
office@aee-gmbh.de

Electromechanical Actuators, Rotary Actuators, Servoactuators

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Parque Industrial Queretaro, C/ Benito Juarez, Num. 109, 76220 Queretaro.
T: +52 442 227 2850 www.aernnova.com
F: +52 442 240 9354 xabier.mendoza@aernnova.com

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See also: Brek Manufacturing Company

Aero Fluid Products (was Dukes Aerospace) (U.S.A.)

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F: +1 440 354 2912 service@aerofluidproducts.com

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1460 Fifth Avenue, Bay Shore, NY 11706.
T: +1 631 968 5000 www.airindustriestgroup.com
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AMETEK PDS (U.S.A.)

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gobrien@bgtaero.com

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F: +49 841 68722 eme.zentrale@eme-in.de

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Hanwha Building, 6th Floor, 109 Sogong-ro, Jung-gu, 04525 Seoul.

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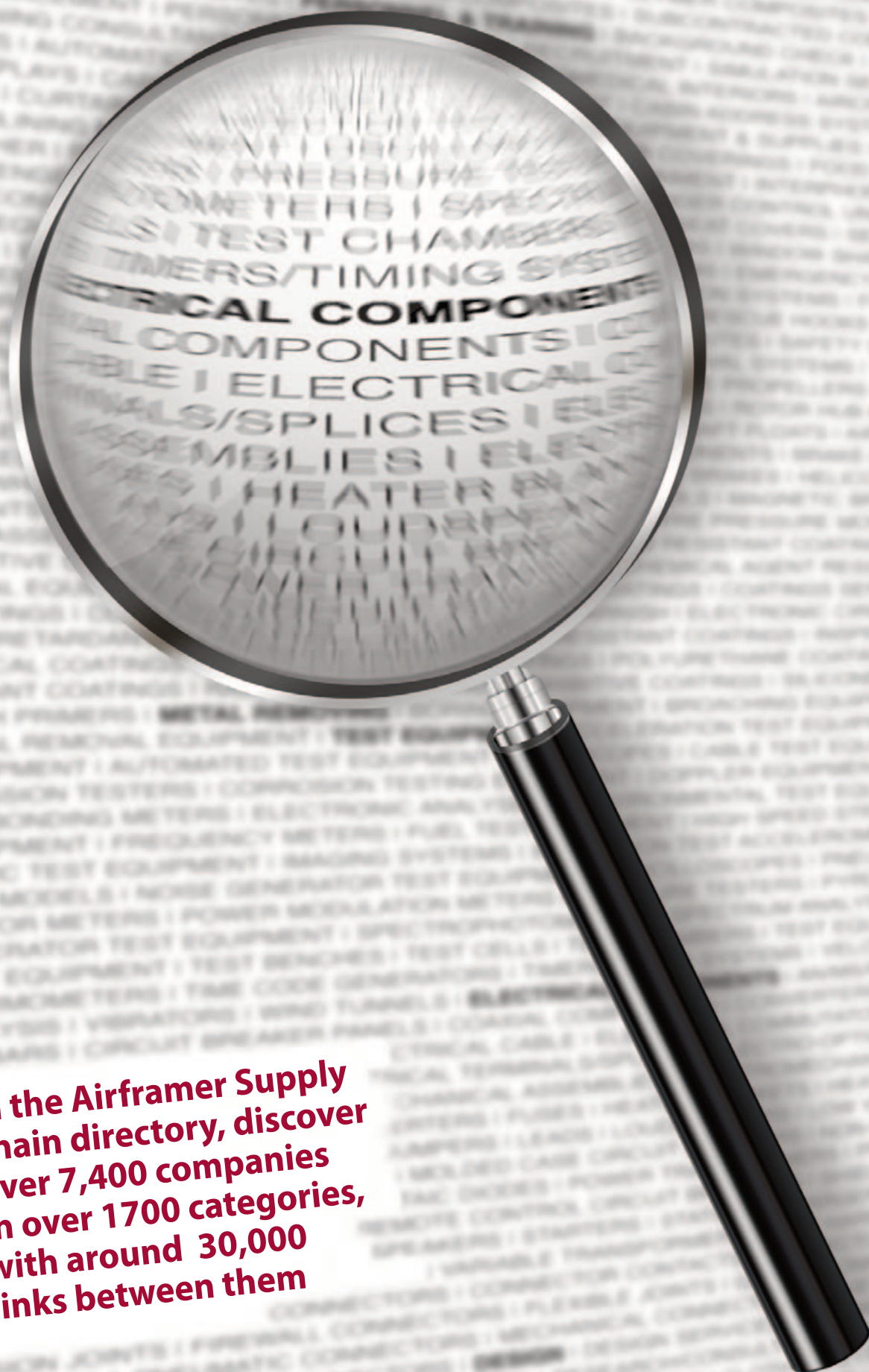
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 F: +1 508 677 0530 info.us@maxongroup.com
Electrical Actuators, Electromechanical Actuators, Linear Actuators, Servoactuators

Mecaer America Inc. (Canada)

5555 rue William Price, Laval, Quebec, QC H7L 6C4.
 T: +1 450 682 7117 www.mecaer.ca
 F: +1 450 963 9263
Electromechanical Actuators, Hydraulic Actuators

MECAER Aviation Group (Italy)

Via per Arona, 46, I-28021 Borgomanero (NO).
 T: +39 0322 83711 www.mecaer.com
 F: +39 0322 844081 governance@mecaer.com
Hydraulic Actuators, Servoactuators
Bell 505 Jet Ranger X, Otto Phantom 3500
See also: Aviotecnica S.r.l., Desa Srl and Mecaer America Inc.

Moog Controls (UK) (U.K.)

Ashchurch, Tewkesbury, Gloucestershire GL20 8NA.
 T: +44 1684 296 600 www.moog.co.uk
 F: +44 1684 278 410 sales@moog.co.uk
Mechanical Actuators, Servoactuators
Boeing 787 Dreamliner

Moog Flight Controls (U.K.)

Valiant Way , Wolverhampton, West Midlands WV9 5GB.
 T: +44 1902 397 700 www.moog.com
 F: +44 1902 394 394
Mechanical Actuators, Rotary Actuators
Boeing 737, Boeing 777, Boeing 787 Dreamliner

Moog Inc. (U.S.A.)

Moog Aircraft Group, Seneca Street, Jamison Road, East Aurora, NY 14052.
 T: +1 716 652 2000 www.moog.com
 F: +1 716 687 4461 info.usa@moog.com
Electromechanical Actuators, Hydraulic Actuators, Mechanical Actuators, Rotary Actuators, Servoactuators
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See also: Cotsworks Inc., CSA Engineering, Inc., Mod-A-Can, Moog Avionics (Genesys Aerosystems), Moog Controls (UK) and The Ely Co., Inc.

MTC Industries & Research (Israel)

PO Box 232, 21611 Karmiel.
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8201, 109th Street, Suite 500, Pleasant Prairie, WI 53158.

T: +1 262 764 5290 www.mtimotion.com

F: +1 262 764 5266 websales@mtimotion.com

Electrical Actuators, Electromechanical Actuators, Linear Actuators, Mechanical Actuators, Rotary Actuators

See also: Davall Gears Ltd

Nabtesco Aerospace (U.S.A.)

17770 N.E. 78th, Redmond, WA 98052.

T: +1 425 602 8400 www.nabtescoaero.com

F: +1 425 602 8408 aerospace@nabtesco.com

Mechanical Actuators

Boeing 737, Boeing 777, Embraer E-Jet 170/190 series

NEMA Ltd. (U.K.)

Unit 16 Chichester Business Centre, Chichester Street, Rochdale OL16 2AU.

T: +44 1706 759 396 www.nema.ltd.uk

Rotary Actuators

Networks Electronic Company (NEco) (U.S.A.)

9750 DeSoto Ave., Chatsworth, CA 91311.

T: +1 818 341 0440 www.pttechnologies.com

F: +1 818 718 7133 aerospace@pttechnologies.com

Mechanical Actuators

Nexteam Group SAS (France)

34, Avenue Concordet, F-47204 Marmande Cedex.

T: +33 553 209 595 www.nexteam-group.com

contact@nexteam-group.com

Hydraulic Actuators

Ontic (U.S.A.)

20400 Plummer St, Chatsworth, CA 91311.

T: +1 818 678 6555 www.ontic.com

F: +1 818 678 6618 productsupport@ontic.com

Electrical Actuators, Electromechanical Actuators, High Pressure Actuators, Hydraulic Actuators, Linear Actuators, Mechanical Actuators, Rotary Actuators

See also: Héroux Devtek (APPH) Bolton, Mod-A-Can and The Ely Co., Inc.

Ontic Actuation & Control (was Triumph Integrated Systems - Actuation & Control) (U.K.)

Meteor Business Park, Cheltenham Road East, Cheltenham GL2 9QL.

www.ontic.com

Hydraulic Actuators

Airbus A320, Boeing 777

Parker Aerospace Control Systems (U.S.A.)

2010 Waldrep Industrial Blvd, Dublin, GA 31021-2699.

T: +1 478 275 4030 www.parker.com

F: +1 478 277 9228 csd@parker.com

Electrohydraulic Actuators, Electromechanical Actuators

Boeing 767, Boeing MQ-25 Stingray, Embraer E-Jet 170/190 series, Eviation Alice, Gulfstream G500/G600, Lockheed Martin F-35 Lightning II

See also: Parker Parflex Division

Parker Aerospace Fluid Systems (U.S.A.)

16666 Von Karman Ave., Irvine, CA 92606.

T: +1 949 851 3500 www.parker.com

F: +1 949 851 3341

Hydraulic Actuators, Servoactuators

Parker Aerospace Hydraulic Systems (U.S.A.)

2220 Palmer Avenue, Kalamazoo, MI 49001-4165.

T: +1 269 384 3400 www.parker.com

F: +1 269 384 3862 hsdmarketing@parker.com

Hydraulic Actuators

Bell Boeing V-22 Osprey, Boeing F-15E Strike Eagle, Boeing F/A-18 Super Hornet, KAI T-50 Golden Eagle, Sikorsky S-97 Raider, XAC MA700

Parker Meggitt Avriell (Artus) (France)

37 Chemin du Champ des Martyrs, B.P. 20009, F-49241

Avriell Cedex.

T: +33 2 41 33 63 40 www.meggitt.com/mss

F: +33 2 41 33 63 63 artus.sales@meggitt.com

Electromechanical Actuators, Linear Actuators, Rotary Actuators

Parker Meggitt USA Inc. (U.S.A.)

1955 N Surveyor Ave, Simi Valley, CA 93063.

T: +1 949 276 0367 www.meggitt.com

High Pressure Actuators, Linear Actuators, Mechanical Actuators, Pneumatic Actuators

COMAC C919

See also: Meggitt Oregon, Inc. and Parker Meggitt Aircraft Braking Systems

Proponent (Netherlands)

J. Keplerweg 16, Alphen aan den Rijn, NL-2408 AC.

T: +31 17 244 97 77 www.proponent.com

F: +31 17 244 97 89 support@proponent.com

Digital Actuators

Quantic BEI (BEI Precision Systems & Space) (U.S.A.)

1100 Murphy Drive, Maumelle, AR 72113.

T: +1 501 851 4000 www.quanticebi.com

F: +1 501 851 5452 sales@quanticebi.com

Rotary Actuators, Servoactuators

Rosebank Engineering Pty Ltd (Australia)

836 Mountain Hwy, Bayswater, VIC 3153.

T: +61 3 9721 1300 rosebankeng.com.au

info@rosebankeng.com.au

Hydraulic Actuators

Lockheed Martin F-35 Lightning II

S.S. White Technologies Inc. (U.S.A.)

8300 Sheen Drive, St Petersburg, FL 33709.

T: +1 727 626 2800 www.sswwhite.net

support@sswhite.net

Linear Actuators

See also: S.S. White Technologies UK Ltd.

SABCA (Belgium)

1470 Chaussee de Haecht, B-1130 Brussels.

T: +32 2 729 55 11 www.sabca.com

F: +32 2 705 15 70 sales@sabca.be

Electromechanical Actuators, Servoactuators

Flying Whale LCA60T

See also: Alfa Meccanica S.r.l., Belairbus and Grupo Aeronáutico Zona Centro S.A. (GAZC)

Safran Aerosystems Hydraulics (France)

Route de Jallans, F-28200 Chateaudun.

T: +33 2 37 97 60 30 www.safran-aerosystems.com

F: +33 2 37 97 60 35

Electromechanical Actuators, High Pressure Actuators, Hydraulic Actuators, Servoactuators

Airbus Helicopters H160

Safran Electrical & Power Villemur (France)

Zone Industrielle de Pechnaquieu Sud, 2530 route de Castres, F-31340 Villemur-sur-Tarn.

T: +33 5 62 87 05 00 www.safran-electrical-power.com

villemur.labinal@labinal-power.com

Electrical Actuators

COMAC C919

See also: Souriau-Sunbank Connection Technologies

Safran Electronics & Defense (Components) (France)

Le Ponant de Paris, 27, rue Leblanc, F-75512 Paris Cedex 15.

T: +33 1 58 11 78 00 www.safran-electronics-defense.com

F: +33 1 58 11 78 20

Digital Actuators

ATR 42/72, Dassault 2000 series, Dassault 900LX

See also: AES Aerospace Embedded Solutions GmbH, CTG, a Safran company (was Collins Aerospace Composite Centre of Excellence), Safran Data Systems

- Les Ulis (was Zodiac Data Systems), Safran Data Systems GmbH, Safran Electronics & Defense (was Collins Aerospace, Actuation Systems), Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems), Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) and Safran Electronics & Defense Actuation - Auxerre

Safran Electronics & Defense (was Collins Aerospace, Actuation Systems) (Italy)

Piazza Arturo Graf, 147, I-10126 Turin.

T: +39 011 693 21 www.safran-group.com

F: +39 011 693 2409

Electromechanical Actuators, Mechanical Actuators, Rotary Actuators

COMAC C909, Embraer E-Jet 170/190 series, Embraer ERI-145 series,

Eurofighter Typhoon, Leonardo M-346 Master

Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) (U.K.)

Stafford Road, Fordhouses, Wolverhampton, West Midlands WV10 7EH.

T: +44 1902 624 644 www.safran-group.com

F: +44 1902 624 947

Electrohydraulic Actuators, Electromechanical Actuators, Hydraulic Actuators, Rotary Actuators

Airbus A220, Airbus A320, Airbus A330, Airbus A400M, BAE Tempest, Boeing 737, Dassault 7X, Embraer C-390 Millennium, Lockheed Martin F-35 Lightning II, Saab JAS 39 Gripen, Yakovlev MC-21-300

Safran Landing Systems (France)

BP 40, Inovel Parc Sud, F-78140 Velizy Villacoublay.

T: +33 1 46 29 81 00 www.safran-landing-systems.com

F: +33 1 46 29 87 00

Electrohydraulic Actuators

See also: Acturri Aeroengines, Acutec Precision Aerospace, Inc. and Safran Landing Systems UK

Safran Transmission Systems (France)

Power Transmission Division, 18, Boulevard Louis Seguin, F-92707 Colombes Cedex.

T: +33 1 41 30 50 10 www.hispano-suiza-sa.com

F: +33 1 41 30 54 12

Electrical Actuators

Salient Motion (U.S.A.)

2255 Dominguez Way, Torrance, CA 90501.

T: +1 781 439 8202 www.salientmotion.com

info@salientmotion.com

Electromechanical Actuators

SAM GmbH (was Sitec Aerospace) (Germany)

Sitepark 1, D-83646 Bad Tölz.

T: +49 8041 79577 0 www.sam-ger.com

F: +49 8041 79577 140 info@sam-ger.com

Linear Actuators, Rotary Actuators

SCHUNK (U.S.A.)

211 Kitty Hawk Drive, Morrisville, NC 27560.

T: +1 919 572 2705 www.schunk.com

info@us.schunk.com

Linear Actuators, Pneumatic Actuators, Rotary Actuators

Secondo Mona SpA (Italy)

Via Carlo del Prete 1, I-21019 Somma Lombardo (VA).

T: +39 0331 756 111 www.secondomona.com

F: +39 0331 252 334 marketing@secondomona.com
Electromechanical Actuators, Hydraulic Actuators
 Airbus A350, Eurofighter Typhoon, Leonardo (Alenia) C-27J Spartan,
 Leonardo AW101, Leonardo AW149, NHIndustries NH90
 See also: Tebis UK

Sensata Technologies, Inc. (U.S.A.)

1461 Lawrence Drive, Thousand Oaks, CA 91320.
 T: +1 805 716 0322 www.sensata.com
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Thermal Actuators

SKF Group (Sweden)

Hornsgatan 1, S-41550 Göteborg.
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Hydraulic Actuators, Mechanical Actuators
 See also: Preci 3D Lorraine, SIPAL S.p.A. and Venture Aerobearings

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Calle Américo Vespucio, 5 Bloque 1 Local A 8-12, E-41092
 Sevilla.
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Electromechanical Actuators

Spectrum Associates, Inc. (U.S.A.)

440 New Haven Avenue, Milford, CT 06460.
 T: +1 203 878 4618 www.spectrumct.com
 F: +1 203 877 6927 info@spectrumct.com
Hydraulic Actuators

Sumitomo Precision Products Co. Ltd. (Japan)

1-10 Fusho-cho, Amagasaki, 660-0891 Hyogo.
 T: +81 6 6489 5936 www.spp.co.jp
 F: +81 6 6489 5889 spp-sales2@spp.co.jp
Mechanical Actuators
 Airbus A330, Embraer ERJ-145 series
 See also: Silicon Sensing Systems Limited

TAAC Aerospace Technologies Inc. (TAAC) (Turkey)

Sanayi Mah. Teknopark Bulv., No:1/7C Pendik, Istanbul.
 T: +90 216 375 82 22 taac.com.tr
 taac@taac.com.tr
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Tactair Fluid Controls Inc. (U.S.A.)

4806 W. Taft Road, Liverpool, NY 13088.
 T: +1 315 451 3928 www.tactair.com
 F: +1 315 451 8919 info@tactair.com
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 See also: Acutec Precision Aerospace, Inc.

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Servoactuators

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200 E. Commerce Dr., Schaumburg, IL 60173.
 T: +1 847 310 1111 www.thk.com
 F: +1 847 310 1271 thk-us@thk.com
Linear Actuators

Toyota Motor North America (U.S.A.)

6565 Headquarters Dr., Plano, TX 75034.
 www.toyota.com/usa

pressroom@toyota.com

Electromechanical Actuators
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Triumph Actuation Products & Services - Clemmons (U.S.A.)

4520 Hampton Road, Clemmons, NC 27012.
 T: +1 336 766 9036 www.triumphgroup.com
 F: +1 336 766 9040
Hydraulic Actuators, Linear Actuators
 Airbus A320, Boeing 787 Dreamliner, Boeing F/A-18 Super Hornet

Triumph Actuation Products & Services - Seattle (U.S.A.)

22922 Alder Crest Drive, Redmond, WA 98053.
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28150 W. Harrison Parkway, Valencia, CA 91355.
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Hydraulic Actuators
 Boeing 737, Boeing 767, Boeing 777

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 F: +1 586 781 0152 CustomerService@triumphgroup.com
Mechanical Actuators

Triumph Geared Solutions - Park City (U.S.A.)

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Mechanical Actuators
 Boeing 737, Boeing 767, Lockheed Martin C-130J Hercules

Triumph Systems Electronics & Controls - Heiligenhaus (Germany)

Carl-Zeiss-Strasse 5, D-42579 Heiligenhaus.
 T: +49 2056 58255 0 mechanicalsolutions.triumphgroup.com
 mechanicalsolutions@triumphgroup.com
Mechanical Actuators

Triumph Systems Electronics & Controls - Shelbyville (U.S.A.)

1960 N. Michigan Rd., Shelbyville, IN 46176.
 T: +1 317 421 8760 www.triumphgroup.com
Mechanical Actuators

Triumph Systems Electronics & Controls - Windsor (U.S.A.)

175 Addison Rd, Windsor, CT 06095.
 T: +1 860 242 5568 www.triumphgroup.com
 F: +1 860 242 0943 mechanicalsolutions@triumphgroup.com
Electromechanical Actuators, Hydraulic Actuators, Mechanical Actuators, Servoactuators

UAVOS Inc (U.S.A.)

1111B S Governors Ave, Ste 20320, Dover, DE 19904.
 T: +1 650 584 3176 www.uavos.com
 uavos@uavos.com

Servoactuators

See also: Mira Aerospace

Ultra Precision Control Systems (U.K.)

Arlie Court, Hatherley Lane, Cheltenham, Gloucestershire
 GL51 6PN.
 T: +44 1242 221 166 www.ultra-pcs.com
 F: +44 1242 221 167 information@ultra-electronics.com
Pneumatic Actuators

Volz Servos GmbH (Germany)

Heinrich-Krumm-Straße 5, D-63067 Offenbach am Main.
 T: +49 69 98 55 80 0 www.volz-servos.com
 F: +49 69 98 55 80 40 mail@volz-servos.com
Servoactuators
 Airbus SIRTAP, BETA ALIA, Dufour Aero-200, Schiebel Camcopter
 S-100, Skydweller Solar Impulse 2 (SI2), Vertical Aerospace Valo
 See also: AEE Aircraft Electronic Engineering GmbH

Walker AEC Limited (U.K.)

Unit 25, Dawkins Road, Hamworthy, Poole, Dorset BH15 4JY.
 www.walkeraec.co.uk
 sales@walkeraec.com

Hydraulic Actuators

Westfield Hydraulics Inc. (U.S.A.)

13834 Del Sur, San Fernando, CA 91340.
 T: +1 818 896 6414 www.westfieldhydraulics.com
 F: +1 818 896 3721 info@westfieldhydraulics.com
Hydraulic Actuators

Whippany Actuation Systems (U.S.A.)

110 Algonquin Parkway, Whippany, NJ 07981-1640.
 T: +1 973 428 9898 www.whipactsys.com
 F: +1 973 428 8532 sales@whipactsys.com
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 Airbus A330, Airbus A350, Boeing 737, Boeing 767, Boeing 777, Boeing
 CH-47 Chinook, Boeing F-15E Strike Eagle, Embraer E-Jet 170/190
 series, Northrop Grumman E-2D Advanced Hawkeye, Sikorsky CH-53K
 King Stallion, Sikorsky S-70B SeaHawk, Sikorsky S-92 Superhawk, Viking
 Twin Otter Series 400

Wipro Infrastructure Engineering (India)

Plot 21, Bengaluru Aerospace SEZ Park, KIADB Industrial
 Area, Devanahalli, 562 110 Karnataka.
 T: +91 990 255 1775 www.wiproinfra.com
Mechanical Actuators
 See also: Wipro 3D and Wipro Givon Ltd (was H.R. Givon)

Woodward HRT (U.S.A.)

25200 W. Rye Cannon Road, Santa Clarita, CA 91355.
 T: +1 661 294 6000 www.woodward.com
 F: +1 661 294 6000 inquire@woodward.com
*Hydraulic Actuators, Linear Actuators, Rotary Actuators,
 Servoactuators*
 Airbus A320, Airbus A330, Airbus A350, Bell 429, Boeing 737, Boeing
 777, Boeing X-66A, Lockheed Martin F-35 Lightning II
 See also: Precision Aero, Inc. (PA)

Woodward, Niles Plant (U.S.A.)

6300 West Howard Street, Niles, IL 60714.
 T: +1 847 673 8300 www.woodward.com
Electromechanical Actuators
 See also: Flexxbotics

Category index:

This list is sorted by sub-category within the Actuation sector, and then by company name.

Actuation

Digital Actuators

Honeywell Aerospace, Sensing & Control
Proponent
Safran Electronics & Defense
(Components)

Electrical Actuators

AeroControlex
AMETEK PDS
Asco Industries
CIRCOR Aerospace - Industria
Collins Aerospace, Mechanical Systems
Division
Elektro-Metall Export
Honeywell Aerospace, Sensing & Control
maxon
MTI
Ontic
Safran Electrical & Power Villemur
Safran Transmission Systems
Whippany Actuation Systems

Electrohydrostatic Actuators

Parker Aerospace Control Systems
Safran Electronics & Defense (was
Collins Aerospace, Mechanical Systems)
Safran Landing Systems

Electromechanical Actuators

AEE Aircraft Electronic Engineering
GmbH
AeroControlex
AMETEK Airtechnology Group
AMETEK PDS
ANDAR Electromechanical Systems
Beaver Aerospace & Defense, Inc.
CESA / Heroux Devtek Spain
CIRCOR Aerospace Products Group
Collins Aerospace, Mechanical Systems
Collins Aerospace, Mechanical Systems
- Actuation
Curtiss-Wright Flight Systems
Curtiss-Wright Sensors & Controls HQ
Deva Technologies Ltd.
Eaton
Eaton Aerospace, Actuation Systems
Division
ECE
Electromech Technologies
Elektro-Metall Export
Flexial Corporation
GE Aerospace Systems, Loves Park
Hanwha Group
Honeywell Aerospace, Sensing & Control
Honeywell Unmanned Aerial Systems
and Urban Air Mobility (UAM)
IDAK AeroSystems
ITT Aerospace Controls
Kaney Aerospace
Kistler Instruments Limited
Kollmorgen Aerospace & Defense
Liebherr-Aerospace Lindenberg GmbH
Logic S.p.A
LORD Electromechanical Solutions
Marotta Controls, Inc.
maxon
Mecaer America Inc.
Moog Inc.
MTC Industries & Research
MTI
Ontic

Parker Aerospace Control Systems
Parker Meggitt Avriillé (Artus)
SABCA
Safran Aerosystems Hydraulics
Safran Electronics & Defense (was
Collins Aerospace, Actuation Systems)
Safran Electronics & Defense (was
Collins Aerospace, Mechanical Systems)
Salient Motion
Secondo Mona SpA
Skylife Engineering SL
TAAC Aerospace Technologies Inc.
(TAAC)
Toyota Motor North America
Triumph Systems Electronics & Controls
- Windsor
Whippany Actuation Systems
Woodward, Niles Plant

Explosive Actuators

Ensign-Bickford Aerospace & Defense
Company (EBA&D)

High Pressure Actuators

Honeywell Aerospace, Sensing & Control
MTC Industries & Research
Ontic
Parker Meggitt USA Inc.
Safran Aerosystems Hydraulics

Hydraulic Actuators

Aernnova Aerospace Mexico
Aerostar SA
Air Industries Group
Arkwin Industries Inc.
Asco Industries
CESA / Heroux Devtek Spain
CIRCOR Aerospace Products Group
Collins Aerospace, Propeller Systems
(Ratier Figeac)
Eaton Aerospace, Actuation Systems
Division
EM Korea Co. Ltd. (Energy & Machinery
Korea)
FIMAC
GarKenyon Aerospace & Defense
Hanwha Group
Héroux Devtek (APPH) Runcorn
Héroux-Devtek Inc.
Hindustan Aeronautics Ltd. (Accessories
Division)
Honeywell Aerospace, Sensing & Control
Hydromash Joint Stock Co.
IDAK AeroSystems
ITT Enidine
Jihlavan, A.S.
Liebherr-Aerospace Lindenberg GmbH
Mecaer America Inc.
MECAER Aviation Group
Moog Inc.
Nexteam Group SAS
Ontic
Ontic Actuation & Control (was Triumph
Integrated Systems - Actuation &
Control)
Parker Aerospace Fluid Systems
Parker Aerospace Hydraulic Systems
Rosebank Engineering Pty Ltd
Safran Aerosystems Hydraulics
Safran Electronics & Defense (was
Collins Aerospace, Mechanical Systems)
Secondo Mona SpA
SKF Group
Spectrum Associates, Inc.
Tactair Fluid Controls Inc.
Triumph Actuation Products & Services -
Clemmons
Triumph Actuation Products & Services -
Seattle
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Valencia

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Linear Actuators

Allen Aircraft Products Inc.
AMETEK PDS
ANDAR Electromechanical Systems
Asco Industries
Beaver Aerospace & Defense, Inc.
CEF Industries Inc.
Collins Aerospace, Mechanical Systems
Collins Aerospace, Mechanical Systems
- Actuation
Crane Aerospace Cabin Systems (P.L.
Porter)
Curtiss-Wright Controls - EM
Technologies (Novatronics)
Curtiss-Wright Sensors & Controls HQ
Ducommun LaBarge Technologies
Eaton Aerospace, Actuation Systems
Division
Eaton Ltd, Fuel & Motion Control
Systems Division
Electromech Technologies
Elektro-Metall Export
GE Aerospace Systems, Loves Park
Hanwha Group
Helix Linear Technologies
Héroux-Devtek Inc.
Honeywell Aerospace, Sensing & Control
ITT Aerospace Controls
Kollmorgen Aerospace & Defense
Marotta Controls, Inc.
maxon
MTI
Ontic
Parker Meggitt Avriillé (Artus)
Parker Meggitt USA Inc.
S.S. White Technologies Inc.
SAM GmbH (was Sitec Aerospace)
SCHUNK
TAAC Aerospace Technologies Inc.
(TAAC)
Tactair Fluid Controls Inc.
THK America
Triumph Actuation Products & Services -
Clemmons
Triumph Actuation Products & Services -
Seattle
Whippany Actuation Systems
Woodward HRT

Mechanical Actuators

AeroControlex
Air Industries Group
Arkwin Industries Inc.
Beaver Aerospace & Defense, Inc.
Belden Universal
Bergen Cable Technology, Inc
BGT Aerospace
BMT Aerospace Romania
CESA / Heroux Devtek Spain
CIRCOR Aerospace Products Group
Collins Aerospace, Mechanical Systems
Collins Aerospace, Power & Controls
Division
Collins Aerospace, Propeller Systems
(Ratier Figeac)
Cosworth
Crane Aerospace & Electronics
Curtiss-Wright Sensors & Controls HQ
Elektro-Metall Export
GE Aerospace Systems, Loves Park
Héroux-Devtek Inc.

Honeywell Aerospace, Sensing & Control
IDAK AeroSystems
J&F Machine Inc.
Kollmorgen Aerospace & Defense
Liebherr-Aerospace Lindenberg GmbH
Marotta Controls, Inc.
Moog Controls (UK)
Moog Flight Controls
Moog Inc.
MTI
Nabtesco Aerospace
Networks Electronic Company (NECO)
Ontic
Parker Meggitt USA Inc.
Safran Electronics & Defense (was
Collins Aerospace, Actuation Systems)
SKF Group
Sumitomo Precision Products Co. Ltd.
TAAC Aerospace Technologies Inc.
(TAAC)
Triumph Geared Solutions - Macomb
Triumph Geared Solutions - Park City
Triumph Systems Electronics & Controls
- Heiligenhaus
Triumph Systems Electronics & Controls
- Shelbyville
Triumph Systems Electronics & Controls
- Windsor
Whippany Actuation Systems
Wipro Infrastructure Engineering

Pneumatic Actuators

Aero Fluid Products (was Dukes
Aerospace)
Eaton Aerospace, Actuation Systems
Division
Honeywell Aerospace, Sensing & Control
Honeywell Hymatic
Liebherr-Aerospace Lindenberg GmbH
Parker Meggitt USA Inc.
SCHUNK
Ultra Precision Control Systems

Rotary Actuators

AEE Aircraft Electronic Engineering
GmbH
AMETEK PDS
Asco Industries
Beaver Aerospace & Defense, Inc.
Continuum Dynamics, Inc.
Curtiss-Wright Controls - EM
Technologies (Novatronics)
Curtiss-Wright Flight Systems
Curtiss-Wright Sensors & Controls HQ
Ducommun LaBarge Technologies
Eaton Aerospace, Actuation Systems
Division
Eaton Ltd, Fuel & Motion Control
Systems Division
Electromech Technologies
Elektro-Metall Export
Héroux-Devtek Inc.
Honeywell Aerospace, Sensing & Control
ITT Aerospace Controls
Marotta Controls, Inc.
Moog Flight Controls
Moog Inc.
MTC Industries & Research
MTI
NEMA Ltd.
Ontic
Parker Meggitt Avriillé (Artus)
Quantic BEI (BEI Precision Systems &
Space)
Safran Electronics & Defense (was
Collins Aerospace, Actuation Systems)
Safran Electronics & Defense (was
Collins Aerospace, Mechanical Systems)
SAM GmbH (was Sitec Aerospace)
SCHUNK

TAAC Aerospace Technologies Inc.
(TAAC)
Tactair Fluid Controls Inc.
Whippany Actuation Systems
Woodward HRT

Servoactuators

AEE Aircraft Electronic Engineering
GmbH
ANDAR Electromechanical Systems
Astronautics Corp of America
Collins Aerospace, Mechanical Systems
- Actuation
EXAIL Aerospace
GE Aerospace Systems, Loves Park
Harmonic Drive UK Ltd
Honeywell Aerospace, Sensing & Control
Liebherr-Aerospace Lindenberg GmbH
maxon
MECAER Aviation Group
Moog Controls (UK)
Moog Inc.
MTC Industries & Research
Parker Aerospace Fluid Systems
Quantic BEI (BEI Precision Systems &
Space)
SABCA
Safran Aerosystems Hydraulics
TAAC Aerospace Technologies Inc.
(TAAC)
Tactair Fluid Controls Inc.
TEMA-AVIO S.r.l.
Triumph Systems Electronics & Controls
- Windsor
UAVOS Inc
Volz Servos GmbH
Woodward HRT

Thermal Actuators

Honeywell Aerospace, Sensing & Control
Sensata Technologies, Inc.

Country index:

This page lists all the companies mentioned in this report alphabetically by country, and then by company name.

Australia

Rosebank Engineering Pty Ltd

Belgium

Asco Industries
SABCA

Canada

Curtiss-Wright Controls - EM Technologies (Novatronics)
Héroux-Devtek Inc.
Mecaer America Inc.

Czech Republic

Jihlavan, A.S.

France

CIRCOR Aerospace - Industria
Collins Aerospace, Propeller Systems (Ratier Figeac)
ECE
EXAIL Aerospace
LORD Electromechanical Solutions
Nexteam Group SAS
Parker Meggitt Avirillé (Artus)
Safran Aerosystems Hydraulics
Safran Electrical & Power Villemur
Safran Electronics & Defense (Components)
Safran Landing Systems
Safran Transmission Systems

Germany

AEE Aircraft Electronic Engineering GmbH
Elektro-Metall Export
Liebherr-Aerospace Lindenberg GmbH
SAM GmbH (was Sitec Aerospace)
Triumph Systems Electronics & Controls - Heiligenhaus
Volz Servos GmbH

India

Hindustan Aeronautics Ltd. (Accessories Division)
Wipro Infrastructure Engineering

Israel

MTC Industries & Research

Italy

FIMAC
Logic S.p.A
MECAER Aviation Group
Safran Electronics & Defense (was Collins Aerospace, Actuation Systems)
Secondo Mona SpA
TEMA-AVIO S.r.l.

Japan

Sumitomo Precision Products Co. Ltd.

Mexico

Aernnova Aerospace Mexico

Netherlands

Proponent

Romania

Aerostar SA
BMT Aerospace Romania

Russia

Hydromash Joint Stock Co.

South Korea

EM Korea Co. Ltd. (Energy & Machinery Korea)
Hanwha Group

Spain

CESA / Heroux Devtek Spain
Skylife Engineering SL

Sweden

SKF Group

Turkey

ANDAR Electromechanical Systems
IDAK AeroSystems
TAAC Aerospace Technologies Inc. (TAAC)

U.K.

AMETEK Airtechnology Group
Collins Aerospace, Mechanical Systems - Actuation
Cosworth
Deva Technologies Ltd.
Eaton Ltd, Fuel & Motion Control Systems Division
Harmonic Drive UK Ltd
Héroux Devtek (APPH) Runcorn
Honeywell Aerospace, Sensing & Control
Honeywell Hymatic
Kistler Instruments Limited
Moog Controls (UK)
Moog Flight Controls
NEMA Ltd.
Ontic Actuation & Control (was Triumph Integrated Systems - Actuation & Control)
Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems)
Ultra Precision Control Systems
Walker AEC Limited

U.S.A.

Aero Fluid Products (was Dukes Aerospace)
AeroControlex
Air Industries Group
Allen Aircraft Products Inc.
AMETEK PDS
Arkwin Industries Inc.
Astronautics Corp of America
Beaver Aerospace & Defense, Inc.
Belden Universal
Bergen Cable Technology, Inc
BGT Aerospace
CEF Industries Inc.
CIRCOR Aerospace Products Group
Collins Aerospace, Mechanical Systems
Collins Aerospace, Mechanical Systems Division
Collins Aerospace, Power & Controls Division
Continuum Dynamics, Inc.
Crane Aerospace & Electronics
Crane Aerospace Cabin Systems (P.L. Porter)
Curtiss-Wright Flight Systems
Curtiss-Wright Sensors & Controls HQ
Ducommun LaBarge Technologies
Eaton
Eaton Aerospace, Actuation Systems Division
Electromech Technologies
Ensign-Bickford Aerospace & Defense Company (EBA&D)
Flexial Corporation
GarKenyon Aerospace & Defense
GE Aerospace Systems, Loves Park
Helix Linear Technologies

Honeywell Unmanned Aerial Systems and Urban Air Mobility (UAM)
ITT Aerospace Controls
ITT Enidine
J&F Machine Inc.
Kaney Aerospace
Kollmorgen Aerospace & Defense
Marotta Controls, Inc.
maxon
Moog Inc.
MTI
Nabtesco Aerospace
Networks Electronic Company (NEco)
Ontic
Parker Aerospace Control Systems
Parker Aerospace Fluid Systems
Parker Aerospace Hydraulic Systems
Parker Meggitt USA Inc.
Quantic BEI (BEI Precision Systems & Space)
S.S. White Technologies Inc.
Salient Motion
SCHUNK
Sensata Technologies, Inc.
Spectrum Associates, Inc.
Tactair Fluid Controls Inc.
THK America
Toyota Motor North America
Triumph Actuation Products & Services - Clemmons
Triumph Actuation Products & Services - Seattle
Triumph Actuation Products & Services - Valencia
Triumph Actuation Products & Services - Yakima
Triumph Geared Solutions - Macomb
Triumph Geared Solutions - Park City
Triumph Systems Electronics & Controls - Shelbyville
Triumph Systems Electronics & Controls - Windsor
UAVOS Inc
Westfield Hydraulics Inc.
Whippany Actuation Systems
Woodward HRT
Woodward, Niles Plant

Aircraft index:

This list is sorted alphabetically by aircraft engine type and then by aircraft program name, and provides information about sub-contractors to each new aircraft program under our Actuation category. Please note that the program data is gathered from a variety of sources and is not necessarily provided or confirmed by the airframer.

Electric

Aalto Zephyr

AMETEK Airtechnology Group - Electromechanical Actuators/Miniature actuators for flight control surfaces

Archer Midnight

Honeywell Aerospace, Sensing & Control - Electromechanical Actuators/Flight control actuation system, Honeywell Assure

BETA ALIA

Volz Servos GmbH - Servoactuators

Boeing MQ-25 Stingray

Liebherr-Aerospace Lindenberg GmbH - Hydraulic Actuators/Tailhook actuator
Moog Inc. - Mechanical Actuators/Wing flight control actuation and wingfold actuation systems
Parker Aerospace Control Systems - Electrohydrostatic Actuators/Flight control tail actuation

De Havilland Dash 8 Series

Beaver Aerospace & Defense, Inc. - Linear Actuators/Wing flap & horizontal stabilizer actuation

Dornier 228

Liebherr-Aerospace Lindenberg GmbH - Mechanical Actuators/Flap system actuation, - Electromechanical Actuators/Landing gear actuators

Dufour Aero-200

Volz Servos GmbH - Servoactuators/DA 26-D & DA 15-T fly-by-wire actuators

Eve 100

Liebherr-Aerospace Lindenberg GmbH - Electromechanical Actuators/ Actuators for fly-by-wire flight controls

Eviation Alice

Curtiss-Wright Flight Systems - Electromechanical Actuators/High power density electromechanical actuators (EMA) for primary flight control
Parker Aerospace Control Systems - Electromechanical Actuators

Flying Whale LCA60T

SABCA - Electromechanical Actuators/Electromechanical actuators for flight controls

Joby S4

Toyota Motor North America - Electromechanical Actuators

Skydweller Solar Impulse 2 (SI2)

Volz Servos GmbH - Servoactuators/DA-58 Duplex actuators in ailerons, DA-30 HT Duplex actuators in horizontal/vertical stabilizers

Textron eAviation Nexus 4EX

Moog Inc. - Electromechanical Actuators/Flight control actuation systems

Vertical Aerospace Valo

Volz Servos GmbH - Servoactuators/A 30-HT, DA 30-HT-D and DA 58-D actuators for control surfaces

Wisk Cora

Liebherr-Aerospace Lindenberg GmbH - Electromechanical Actuators/ Comprehensive electro-mechanical actuation system

Piston

Beechcraft Baron G58

Electromech Technologies - Electromechanical Actuators/Cowl flap actuator

Rotary

Schiebel Camcopter S-100

Volz Servos GmbH - Servoactuators/DA 26 actuators

Turbofan

Airbus A220

Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) - Electromechanical Actuators/High lift flap & slat actuation systems, including actuators, power drive units, wing tip brakes, electronic control units, cockpit levers, transmission shafts & sensors. Thrust reverser actuation system for PW1000G engine.

Airbus A320

Aerostar SA - Hydraulic Actuators/(supplied to SAFRAN Landing Systems)
AMETEK Airtechnology Group - Electromechanical Actuators/ Electromechanical actuators for ELGEAR electric landing gear (for Messier-Dowty)
Arkwin Industries Inc. - Mechanical Actuators/Ram air turbine deployment actuators; engine actuators
Bergen Cable Technology, Inc - Mechanical Actuators/Mechanical actuators for ailerons; elevators and rudders; lockclad flight control assemblies
Crane Aerospace Cabin Systems (P.L.Porter) - Linear Actuators/Compact hydrolock seat recline system (through Geven)
Elektro-Metall Export - Electromechanical Actuators/Emergency ram air inlet door actuator; APU air inlet door actuator
GE Aerospace Systems, Loves Park - Mechanical Actuators/Thrust reverser actuation systems (A318); landing gear truck positioning actuator
Liebherr-Aerospace Lindenberg GmbH - Mechanical Actuators/High lift system, - Servoactuators/eRudder actuator and rudder servo control
Onic Actuation & Control (was Triumph Integrated Systems - Actuation & Control) - Hydraulic Actuators/Landing gear actuation systems including actuators, valves and uplocks, - Hydraulic Actuators/Uplocks for main landing gear and nose landing gear
Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) - Electromechanical Actuators/Primary & secondary flight control actuation systems; thrust reverser actuation, - Electromechanical Actuators/Actuation systems for nacelle, thrust reversers & variable area nozzle (A320neo)
Triumph Actuation Products & Services - Clemmons - Hydraulic Actuators/ Thrust reverser cowl opening system actuators for the CFM International LEAP-1A engine nacelle (supplied to Safran Nacelles)
Woodward HRT - Hydraulic Actuators/Thrust reverser actuation system for the PurePower PW1100G-JM

Airbus A330

Aerostar SA - Hydraulic Actuators/(supplied to SAFRAN Landing Systems)
Arkwin Industries Inc. - Mechanical Actuators/RAT deployment actuators; engine actuators
Bergen Cable Technology, Inc - Mechanical Actuators/Mechanical actuators for ailerons; elevators & rudders; lockclad flight control assemblies
CESA / Heroux Devtek Spain - Mechanical Actuators/Cargo door actuator, - Electromechanical Actuators/Electromechanical lift/extraction/retraction actuators for refuelling boom
CIRCOR Aerospace Products Group - Mechanical Actuators/Retraction actuators for main landing gear (through Messier-Bugatti-Dowty)
Eaton Aerospace, Actuation Systems Division - Electromechanical Actuators/ Actuators
Elektro-Metall Export - Electromechanical Actuators/Electrical seat actuation system, - Electromechanical Actuators/APU air inlet door actuator; emergency ram air inlet door actuator
GE Aerospace Systems, Loves Park - Mechanical Actuators/High lift actuation; truck position actuator
Hanwha Group - Hydraulic Actuators/Steering actuator
Liebherr-Aerospace Lindenberg GmbH - Servoactuators/Spoiler actuation (A330/A330-743L), and rudder servo control (A330); ARBS ruddervator control system (A330 MRTT), - Mechanical Actuators/High lift system (A330/ A330-743L), - Hydraulic Actuators/Landing gear door (A330/A330-743L) and cargo door actuation (A330)
Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) - Electromechanical Actuators/Landing gear actuation; primary & secondary flight controls; thrust reverser actuation
Woodward HRT - Hydraulic Actuators/Thrust Reverser Actuation System hardware (for Aircele)

Airbus A350

CIRCOR Aerospace Products Group - Mechanical Actuators/Main & nose landing gear door actuators
Collins Aerospace, Mechanical Systems - Mechanical Actuators/Trimmable horizontal stabilizer actuator
Curtiss-Wright Controls - EM Technologies (Novatronics) - Electromechanical Actuators/Electromechanical actuators for main deck cargo door
Elektro-Metall Export - Electromechanical Actuators/APU air inlet door actuator; emergency ram air inlet door actuator, - Linear Actuators/Lavatory non-touch waste flap actuator
Jihlavan, A.S. - Hydraulic Actuators/Hydraulic actuators of chassis systems
Liebherr-Aerospace Lindenberg GmbH - Hydraulic Actuators/Landing gear and cargo door actuation; lower deck cargo door actuator (A350-1000), - Mechanical Actuators/High lift system; slat actuation (A350-1000), - Electromechanical Actuators/Load sensing drive strut (A350-1000), - Servoactuators/Spoiler actuation, and rudder servo control

Moog Inc. - Mechanical Actuators/Primary flight controls actuation; high-lift, wing trailing edge actuation system (A350-900)
Secondo Mona SpA - Hydraulic Actuators/Pitch trim actuators
Whippary Actuation Systems - Electromechanical Actuators/Electric ground door actuator
Woodward HRT - Hydraulic Actuators/Spoiler actuation system

BAE Systems Hawk 100

Cosworth - Mechanical Actuators/Actuation components

Boeing 737

Arkwin Industries Inc. - Mechanical Actuators/Engine actuators
Beaver Aerospace & Defense, Inc. - Linear Actuators/Wing flap actuator, - Mechanical Actuators/Camera deployment actuator
Eaton Aerospace, Actuation Systems Division - Electromechanical Actuators/ Stabilizer trim actuator
Electromech Technologies - Electromechanical Actuators/Fuel shutoff valve actuator
GE Aerospace Systems, Loves Park - Mechanical Actuators/Thrust reverser actuation system; utility actuators
Kollmorgen Aerospace & Defense - Linear Actuators/Actuators for flaps & HSTA
Moog Flight Controls - Mechanical Actuators/Flight control actuators
Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) - Electromechanical Actuators/Thrust reverser actuation
Triumph Actuation Products & Services - Valencia - Hydraulic Actuators/ Inboard & outboard ground spoiler actuators; main & nose landing gear retract actuators
Whippary Actuation Systems - Electromechanical Actuators/Airleron trim actuator, APU inlet door actuator, speed brake actuator, forward air stair door actuator
Woodward HRT - Hydraulic Actuators/Thrust reverser actuation system

Boeing 767

Arkwin Industries Inc. - Mechanical Actuators/Actuators
Beaver Aerospace & Defense, Inc. - Linear Actuators/Horizontal stabilizer actuation
Curtiss-Wright Flight Systems - Rotary Actuators/Cargo door actuator; trailing edge flap rotary actuators
Eaton Aerospace, Actuation Systems Division - Electromechanical Actuators/ Electromechanical & cargo door actuation systems (KC-46A)
Electromech Technologies - Electromechanical Actuators/Fuel shutoff valve actuator
GE Aerospace Systems, Loves Park - Mechanical Actuators/Boom actuation control system (KC-767 tanker). Primary flight control actuators; high lift actuation system; cowl opening systems on GE CF6-80 and PW4000 engines; utility actuators
Moog Inc. - Mechanical Actuators/Precision control components, - Mechanical Actuators/Leading edge slat actuator, autopilot actuators, refueling boom actuators (KC-46A), - Rotary Actuators/Inboard/outboard leading edge rotary actuators, - Mechanical Actuators/Refueling boom actuation system
Parker Aerospace Control Systems - Electromechanical Actuators/Refueling receptacle door actuator (KC-46A)
Triumph Actuation Products & Services - Valencia - Hydraulic Actuators/Main & nose landing gear retract actuators
Triumph Geared Solutions - Park City - Mechanical Actuators/Leading edge slat actuator, horizontal stabilizer trim actuator
Whippary Actuation Systems - Electromechanical Actuators/Stick nudger actuator, ram air door actuator, valve actuator for ECS

Boeing 777

Arkwin Industries Inc. - Mechanical Actuators/Ram air turbine deployment actuator
Collins Aerospace, Propeller Systems (Ratier Figeac) - Mechanical Actuators/ Horizontal stabiliser trim actuator
Curtiss-Wright Flight Systems - Rotary Actuators/Main deck cargo door rotary actuators
Electromech Technologies - Electromechanical Actuators/Fuel shutoff valve actuator
Héroux-Devtek Inc. - Hydraulic Actuators/Landing gear retract actuators
Kollmorgen Aerospace & Defense - Linear Actuators/Actuators for HSTA
Liebherr-Aerospace Lindenberg GmbH - Hydraulic Actuators/Folding wing tip actuation including hydraulic motor, power drive unit, fold subsystem, latch pin actuator and secondary lock actuator (777X)

Moog Inc. - Mechanical Actuators/Precision control components
Nabtesco Aerospace - Mechanical Actuators/Control surface actuators
Triumph Actuation Products & Services - Valencia - Hydraulic Actuators/Semi-levered gear actuator
Whippary Actuation Systems - Electromechanical Actuators/APU inlet door actuator, rudder trim actuator, elevator feel actuator, - Rotary Actuators/ Leading edge emergency motor unit, trailing edge emergency motor unit, valve actuator for environmental control system, - Mechanical Actuators/ Speed brake clutch

Woodward HRT - Hydraulic Actuators/Thrust reverser actuation system

Boeing 787 Dreamliner

Arkwin Industries Inc. - Mechanical Actuators/Ram air turbine deployment actuator
Collins Aerospace, Mechanical Systems - Actuation - Electromechanical Actuators/Electro-mechanical actuators & control valves for environmental control system

Curtiss-Wright Sensors & Controls HQ - Mechanical Actuators/Large cargo door mechanical actuation system
Hanwha Group - Linear Actuators/Linear position control actuator
Héroux-Devtek Inc. - Mechanical Actuators/Torque tubes
Kollmorgen Aerospace & Defense - Linear Actuators/Actuators for spoilers & HSTA; ballscrews for electric brakes
Moog Controls (UK) - Mechanical Actuators/Flight control actuators
Moog Flight Controls - Mechanical Actuators/High lift actuation system
Moog Inc. - Electromechanical Actuators/Lateral control electronics for control of fly-by-wire & spoiler actuators
Triumph Actuation Products & Services - Clemmons - Hydraulic Actuators/ Large cargo door actuation system

Boeing F-15E Strike Eagle

GE Aerospace Systems, Loves Park - Mechanical Actuators/Primary flight control actuation
Whippany Actuation Systems - Electromechanical Actuators/Rudder feel control actuator, longitudinal feel actuator

Boeing F/A-18 Super Hornet

Arkwin Industries Inc. - Mechanical Actuators/Ram air turbine deployment actuator
Curtiss-Wright Flight Systems - Rotary Actuators/Canopy actuator
GarKenyon Aerospace & Defense - Hydraulic Actuators
GE Aerospace Systems, Loves Park - Mechanical Actuators/Thrust reverser actuation systems, landing gear truck positioning actuator

Boeing MQ-25 Stingray

Liebherr-Aerospace Lindenberg GmbH - Hydraulic Actuators/Tailhook actuator
Moog Inc. - Mechanical Actuators/Wing flight control actuation and wingfold actuation systems
Parker Aerospace Control Systems - Electrohydraulic Actuators/Flight control tail actuation

Boeing X-66A

Woodward HRT - Rotary Actuators/Design of rotary actuators, fitted to ailerons

Bombardier Challenger 300 series

Electromech Technologies - Electromechanical Actuators/Horizontal stabilizer trim actuator; rudder travel limiter actuator
GE Aerospace Systems, Loves Park - Mechanical Actuators/Thrust reverser actuation system

Bombardier Global series

Collins Aerospace, Power & Controls Division - Mechanical Actuators/Wing high-lift system (Global 7000 & 8000)

Cessna Citation CJ3

Beaver Aerospace & Defense, Inc. - Linear Actuators/Wing flap actuator

Cessna Citation Longitude

Collins Aerospace, Mechanical Systems - Electromechanical Actuators/ Horizontal stabilizer trim and flap actuation systems

COMAC C909

Safran Electronics & Defense (was Collins Aerospace, Actuation Systems) - Mechanical Actuators/Flap/slat actuation and control system

COMAC C919

Collins Aerospace, Power & Controls Division - Mechanical Actuators/ Passenger door damper & emergency opening actuation system
Eaton Aerospace, Actuation Systems Division - Electromechanical Actuators/ Cargo door actuation system
Moog Inc. - Electromechanical Actuators/High lift system
Parker Meggitt USA Inc. - Mechanical Actuators/Door safety systems; electro-mechanical flight lock actuators
Safran Electrical & Power Villeneuve - Electrical Actuators/TRCU Thrust Reverser Control Unit

Dassault 2000 series

Safran Electronics & Defense (Components) - Digital Actuators/Flight control & other actuators, autopilot actuator (2000EX)

Dassault FX

Collins Aerospace, Mechanical Systems - Electromechanical Actuators/ Horizontal stabilizer trim actuator
Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) - Electromechanical Actuators/Secondary flight controls including airbrakes & flap systems

Dassault 900LX

Safran Electronics & Defense (Components) - Digital Actuators/Flight control & other actuators; autopilot actuator (900EX)

Dynetics X-61A Gremlin

Moog Inc. - Electromechanical Actuators/Electromechanical actuation systems for precision motion control for GAV tail fin control, GAV wing deploy and fin control for the attitude-controlled Bullet.

Embraer C-390 Millennium

Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) - Electrohydraulic Actuators/Electrohydraulic actuators, electro-backup hydrostatic actuators, actuator electronics & electrical controls for primary flight control system

Embraer E-Jet 170/190 series

Collins Aerospace, Mechanical Systems - Mechanical Actuators/Horizontal stabiliser trim actuators
GE Aerospace Systems, Loves Park - Linear Actuators/Linear actuators; thrust reverser actuation systems
Liebherr-Aerospace Lindenberg GmbH - Mechanical Actuators/High lift system (E2)
Nabtesco Aerospace - Mechanical Actuators/Multi-function spoiler actuator assembly
Parker Aerospace Control Systems - Electromechanical Actuators/Flight control systems
Safran Electronics & Defense (was Collins Aerospace, Actuation Systems) - Mechanical Actuators/Trimmable horizontal system actuator
Whippany Actuation Systems - Electromechanical Actuators/Bypass valve actuator

Embraer ERJ-145 series

GE Aerospace Systems, Loves Park - Mechanical Actuators/Utility actuation
Safran Electronics & Defense (was Collins Aerospace, Actuation Systems) - Mechanical Actuators/Trimmable horizontal system actuator

Embraer Phenom

Eaton Aerospace, Actuation Systems Division - Electromechanical Actuators/ Flap actuator (Phenom 100)

Eurofighter Typhoon

CESA / Heroux Devtek Spain - Hydraulic Actuators/Foreplane actuator, landing gear door actuators; EJ200 engine VIGV master & slave actuators & nozzle actuators
Elektro-Metall Export - Rotary Actuators/Brake parachute lock/release unit actuators
Liebherr-Aerospace Lindenberg GmbH - Hydraulic Actuators/Primary flight control actuators, nose landing gear retraction actuator, - Servoactuators/ Airbrake actuator servo control
Safran Electronics & Defense (was Collins Aerospace, Actuation Systems) - Mechanical Actuators/Flap/slat actuation and control system
Secondo Mona SpA - Hydraulic Actuators/Hydraulic actuators

FAdA IA-63 Pampa

Liebherr-Aerospace Lindenberg GmbH - Mechanical Actuators/High lift actuation components

Gulfstream G280

FIMAC - Hydraulic Actuators/Passenger main door actuation system
Moog Inc. - Electromechanical Actuators/Flight control actuators, high lift system

Gulfstream G500/G600

Moog Inc. - Mechanical Actuators/Flap actuation, power drive, transmission components & accessories

Gulfstream G700/G800

Liebherr-Aerospace Lindenberg GmbH - Pneumatic Actuators/Pneumatic actuators in pneumatic component package for Pearl 700 engine (Rolls-Royce)

JetZero Z4

Moog Inc. - Electromechanical Actuators/Flight control actuators

KAI T-50 Golden Eagle

Arkwin Industries Inc. - Mechanical Actuators/Speed brake actuators
EM Korea Co. Ltd. (Energy & Machinery Korea) - Hydraulic Actuators/Landing gear door actuator

Leonardo M-346 Master

Logic S.p.A - Electromechanical Actuators/Latching actuator

Lockheed Martin F-16 Fighting Falcon

Arkwin Industries Inc. - Mechanical Actuators/Landing gear door, retract & speed brake actuators
Curtiss-Wright Flight Systems - Rotary Actuators/Leading edge flap rotary actuators & attachment tie bars

Lockheed Martin F-35 Lightning II

Arkwin Industries Inc. - Mechanical Actuators/Utility actuators
Eaton Aerospace, Actuation Systems Division - Electromechanical Actuators/ Utility actuation & control valve sub-system, - Hydraulic Actuators/Weapons bay door hydraulic actuator
Moog Inc. - Mechanical Actuators/Leading edge flap drive system; primary flight control actuation system (electro-hydrostatic actuation system; and the wingfold actuation system
Parker Aerospace Control Systems - Electrohydraulic Actuators/ Electrohydraulic actuators for primary flight control surfaces; clutch actuation system for LiftFan
Rosebank Engineering Pty Ltd - Hydraulic Actuators/MLG retract & downlock actuators; NLG retract actuator & damper assembly, - Hydraulic Actuators/ Weapon bay drive door system uplock actuators
Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) - Electromechanical Actuators/Utility actuators for weapons bay door; downlock & retract actuators for landing gear system; weapons bay door drive system

Woodward HRT - Hydraulic Actuators/Aileron actuators

Otto Phantom 3500

MECAER Aviation Group - Hydraulic Actuators/Primary flight control actuation system

Pilatus PC-24

AMETEK PDS - Electromechanical Actuators/ACL23A-4 Aileron and Rudder Trim System
Curtiss-Wright Flight Systems - Electromechanical Actuators/Electro-mechanical actuators and power and control electronics used to position the spoilers and flaps

Yakovlev MC-21-300

Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) - Electromechanical Actuators/Flight control actuation system

Turbojet

BAE Tempest

Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) - Electromechanical Actuators/Advanced actuation capabilities

Turboprop

Airbus (Airtech) CN235

CESA / Heroux Devtek Spain - Hydraulic Actuators/Cargo ramp locking & telescopic actuators

Airbus A400M

CESA / Heroux Devtek Spain - Hydraulic Actuators/Landing gear hydraulic actuators; door & ramp actuation system including 26 actuators & 6 control manifolds
Collins Aerospace, Propeller Systems (Ratier Figeac) - Mechanical Actuators/ Trimmable horizontal stabilizer actuator
Electromech Technologies - Electromechanical Actuators/Fuel shutoff valve actuator
Elektro-Metall Export - Electromechanical Actuators/APU air inlet door actuator; emergency ram air inlet door actuator, - Rotary Actuators/Air scoop actuator
Liebherr-Aerospace Lindenberg GmbH - Servoactuators/Aileron, elevator and rudder servo control, power control unit, spoiler servo control, and door ramp actuation system, - Hydraulic Actuators/Wing tip brake
Moog Inc. - Servoactuators/Fly-by-wire servoactuators for control of primary flight services
Safran Electronics & Defense (was Collins Aerospace, Mechanical Systems) - Rotary Actuators/Flap actuation package

Airbus C295

CESA / Heroux Devtek Spain - Hydraulic Actuators/Cargo ramp locking & telescopic actuators, control manifold
Electromech Technologies - Electromechanical Actuators/Rudder travel limit actuator

ATR 42/72

Safran Electronics & Defense (Components) - Digital Actuators/Flight control actuators

Beechcraft T-6

Tactair Fluid Controls Inc. - Servoactuators/Nose wheel steering servo actuators

Daher Kodiak

Electromech Technologies - Electromechanical Actuators/Aileron trim actuator; analog flap system; FOD door actuator; mechanical elevator trim actuator

De Havilland Dash 8 Series

Beaver Aerospace & Defense, Inc. - Linear Actuators/Wing flap & horizontal stabilizer actuation

Deutsche Aircraft D328eco

Liebherr-Aerospace Lindenberg GmbH - Electromechanical Actuators/Flap and spoiler actuation system including application and control software

Dornier 228

Liebherr-Aerospace Lindenberg GmbH - Mechanical Actuators/Flap system actuation, - Electromechanical Actuators/Landing gear actuators

Dornier Seawings Seastar

AMETEK PDS - Electromechanical Actuators/Aileron Trim (ACL23C-1) and Rudder Trim (ACL23C-1) powered by Linear Actuators

Embraer EMB-314 Super Tucano

Beaver Aerospace & Defense, Inc. - Electromechanical Actuators/Elevator, rudder & aileron trim actuators

Evektor EV-55 Outback

Jihlavan, A.S. - Hydraulic Actuators/Actuators for balancing surfaces

Indonesian Aerospace NC212i

CESA / Heroux Devtek Spain - Hydraulic Actuators/Cargo ramp locking actuator; flap actuator

Leonardo (Alenia) C-27J Spartan

Secondo Mona SpA - Electromechanical Actuators/Cable tension actuators

LET 410

Jihlavan, A.S. - Hydraulic Actuators/Actuators for balancing surfaces, flight control, and landing gear (410 UVP-E20)

Lockheed Martin C-130J Hercules

Electromech Technologies - Electromechanical Actuators/Fuel shutoff valve actuator

Northrop Grumman E-2D Advanced Hawkeye

Whippany Actuation Systems - Electromechanical Actuators/Rudder control actuator

Piaggio P.180 Avanti

Electromech Technologies - Electromechanical Actuators/Horizontal stabilizer actuator; ice vane actuator

Pilatus PC-12

Electromech Technologies - Electromechanical Actuators/Trim actuator
Elektro-Metall Export - Rotary Actuators/Elevator trim actuator

Pilatus PC-21

Electromech Technologies - Electromechanical Actuators/Trim actuator

Viking Twin Otter Series 400

Whippany Actuation Systems - Electromechanical Actuators/Aileron trim actuator

XAC MA700

Liebherr-Aerospace Lindenberg GmbH - Electromechanical Actuators/Valve actuator
Parker Aerospace Hydraulic Systems - Hydraulic Actuators/Fly-by-wire hydraulic flight control actuators

Curtiss-Wright Flight Systems - Rotary Actuators/Cockpit control feel & drive actuators
GE Aerospace Systems, Loves Park - Mechanical Actuators/Fire door actuator, - Servoactuators/Rudder servoactuators
Moog Inc. - Servoactuators/Flap, elevator & swashplate actuators

Bell V-280 Valor

Moog Inc. - Rotary Actuators/Pylon conversion actuators, - Electromechanical Actuators

Boeing CH-47 Chinook

Whippany Actuation Systems - Electromechanical Actuators/Longitudinal cyclic trim actuator

KAI KUH-1 Surion Korean Utility Helicopter

Hanwha Group - Hydraulic Actuators/Hydraulic actuators for main & tail rotors

Leonardo AW101

Secondo Mona SpA - Electromechanical Actuators/Folding system actuators

Leonardo AW149

Secondo Mona SpA - Hydraulic Actuators/Free wheel actuator

Leonardo AW169

AMETEK Airtechnology Group - Electromechanical Actuators/Landing gear actuators (retract and lock)

NHIndustries NH90

Elektro-Metall Export - Electromechanical Actuators/Cargo ramp & hatch actuators & control unit
Secondo Mona SpA - Electromechanical Actuators/Tail folding & tail locking actuators

Sikorsky CH-53K King Stallion

Triumph Actuation Products & Services - Seattle - Hydraulic Actuators/Equipment for the main rotor blade folding system, main rotor lag damper system and main rotor brake system, - Hydraulic Actuators/Main rotor blade fold actuation and dampening systems for lots 7 and 8
Whippany Actuation Systems - Electromechanical Actuators/Pitch bias actuator

Sikorsky S-70A Black Hawk

Collins Aerospace, Mechanical Systems - Actuation - Servoactuators/Ballistic-tolerant main & tail rotor servos

Sikorsky S-70B SeaHawk

Whippany Actuation Systems - Electromechanical Actuators/Blade fold actuator, index drive actuator, RAST probe actuator, pitch lock actuator

Sikorsky S-92 Superhawk

Aernnova Aerospace Mexico - Hydraulic Actuators
CESA / Heroux Devtek Spain - Hydraulic Actuators/Ramp actuation system
Collins Aerospace, Mechanical Systems - Actuation - Servoactuators/Fly-by-wire primary flight control actuation; main rotor servos
Whippany Actuation Systems - Electromechanical Actuators/Blade fold actuator, rotor index actuator, tail rotor index actuator

Sikorsky S-97 Raider

Moog Inc. - Mechanical Actuators/Active vibration actuation
Parker Aerospace Hydraulic Systems - Servoactuators/Main rotor servoactuators (MRS) (DEFIANT X), - Hydraulic Actuators/Hydraulic tail actuation system (HTAS) (DEFIANT X)

Turboshaft

Airbus Helicopters H135

Liebherr-Aerospace Lindenberg GmbH - Servoactuators/Main and tail rotor servo controls

Airbus Helicopters H145

Liebherr-Aerospace Lindenberg GmbH - Servoactuators/Main and tail rotor servo controls (UH-72A/H145)

Airbus Helicopters H160

Liebherr-Aerospace Lindenberg GmbH - Servoactuators/Main and tail rotor servo controls
Safran Aerosystems Hydraulics - Electromechanical Actuators/Smart electromechanical actuators (SEMA) and trim actuators (H160 and H160M)

Airbus Helicopters H175

Collins Aerospace, Mechanical Systems - Actuation - Linear Actuators/Primary flight control actuators

Airbus Helicopters Tiger

Elektro-Metall Export - Rotary Actuators/Trim actuators
Liebherr-Aerospace Lindenberg GmbH - Electromechanical Actuators/Main and tail rotor servo controls

Bell 407

Electromech Technologies - Electromechanical Actuators/Engine bypass filter door actuator

Bell 429

Woodward HRT - Hydraulic Actuators/Flight control actuation system

Bell 505 Jet Ranger X

MECAER Aviation Group - Servoactuators/Servoactuator and kitted parts for flight controls and hydraulic system

Bell 525 Relentless

Moog Inc. - Electromechanical Actuators/Primary flight control actuation

Bell Boeing V-22 Osprey

Arkwin Industries Inc. - Mechanical Actuators/Ram air turbine deployment actuator
CEF Industries Inc. - Linear Actuators/Flap, gear and utility actuation

Hybrid

Ascendance Flight Technologies ATEA

ANDAR Electromechanical Systems - Electromechanical Actuators/Primary flight control actuation system

Dufour Aero-200

Volz Servos GmbH - Servoactuators/DA 26-D & DA 15-T fly-by-wire actuators

Electra.aero eSTOL

Honeywell Aerospace, Sensing & Control - Electromechanical Actuators/ Electromechanical actuation systems (eSTOL)

Flying Whale LCA60T

SABCA - Electromechanical Actuators/Electromechanical actuators for flight controls

Textron eAviation Nexus 4EX

Moog Inc. - Electromechanical Actuators/Flight control actuation systems

Vertical Aerospace Valo

Volz Servos GmbH - Servoactuators/A 30-HT, DA 30-HT-D and DA 58-D actuators for control surfaces



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