Boeing 737

A cross-reference of program suppliers, including 289 companies

For the latest information, visit www.airframer.com

Sponsored by: AC Products, Inc.
SERVICE IS PART OF OUR FORMULA

THE GLOBAL SOLUTIONS LEADER IN AEROSPACE PEELABLE COATINGS TECHNOLOGY.

AC Products, Inc. provides a full line of peelable maskants to meet global environmental standards. Our technologies include:

- **Solvent Based Coatings and Maskants**
  - Flammable
  - Non-flammable
  - USA Exempt (non-VOC, non HAP)

- **Water Based Coatings and Maskants**
- 100% Solids Plural Component Coatings and Maskants

AC Products process solutions include: chemical milling, etching, anodizing, acid or caustic stripping, plating, black oxide, or powder coatings.

**CONTRACT MANUFACTURING**

Offered for:
- Resin Systems
- Coatings
- Adhesives

Our ISO 9001 facility’s advanced manufacturing equipment is operated by expert technicians. Trust AC Products with manufacturing your proprietary formula to the highest quality standards.

Proven Performance and Reliability in Aerospace Fabrication Since 1972

acpmaskants.com
This Airframer Index is one of a series of daily-updated documents available to subscribers at the Airframer web site.

For a full list of the aircraft programs and industry categories currently published please visit the www.airframer.com home page. Subscriptions are available to individuals and to organisations wishing to provide site-wide access for all staff.

Note that the information contained in this index has been compiled from a variety of sources, and has not necessarily been confirmed by the aircraft manufacturer in every case. Please refer to our terms and conditions of use on the last page of this report.

Boeing 737

Contents

Sponsor: 
Sponsored by: AC Products, Inc. page 2

Companies: 
Alphabetical directory of program suppliers by company name. page 4

Categories: 
Directory of program suppliers by category. page 19

Countries: 
Index of program suppliers by country. page 24

Contact us: 
All you need to know about sponsorship and subscription. page 26
1,109 different aircraft with 12,162 links to suppliers*

* figures correct as at 18 May 2013, but updated daily.
Astronics Advanced Electronic Systems (AES)
12950 Willows Road NE, Kirkland, WA 98034, U.S.A.
T: +1 425 881 1700
F: +1 425 702 4930
aessales@astronics.com
www.astronics.com
Cabin Interiors: Passenger Service Units (PSUs) - Passenger address amplifier; window heat controllers.
Astronics Luminescent Systems Inc
130 Commerce Way, East Aurora, NY 14021, U.S.A.
T: +1 716 655 0800
F: +1 716 655 0309
lsny@astronics.com
www.astronics.com
Lighting: Aircraft Exterior Lighting Systems - LED position, navigation & anti-collision lighting
Astronics Max-Viz
15940 SW 22nd Avenue, Portland, OR 97224, U.S.A.
T: +1 503 968 3036
F: +1 503 968 7615
www.astronics.com
Astronics PECO Inc
11241 SE Highway 212, Clackamass, OR 97015, U.S.A.
T: +1 503 233 6401
F: +1 503 387 6949
peco@astronics.com
www.astronics.com
Airframe Assemblies: Aircraft Doors - Impact resistant fuel access doors.
Cabin Interiors: Passenger Service Units (PSUs) - Passenger service units; air diffusers.
Astronova Inc
Astro-Med Industrial Park, 600 E Greenwich Ave, West Warwick, RI 02893, U.S.A.
T: +1 401 828 4000
F: +1 401 822 2430
aerospace@astronovainc.com
aerospace.astronovainc.com
Flight and Data Management: Cockpit Printers - TouchWriter 640 flight deck printer.
Ateliers De La Hte. Garonne
BP 3, Zone Industrielle Floreums, F-31130 Floreums, Toulouse, France.
T: +33 5 61 83 60 35
F: +33 5 61 83 95 05
ahgf@ahgf.fr
www.ahgf.fr
Fasteners: Solid Rivets.
Atwell Ltd.
7 Millington Road, Hayes, Middlesex UB3 6EJ, U.K.
T: +44 20 8571 0055
F: +44 20 8571 7139
sales@atwell.co.uk
www.atwell.co.uk
Non-metal Materials: Packaging - Packers & files.
Aurora Optics, Inc.
7 East Skippack Pike, Suite 202, Broad Axe, PA 19002, U.S.A.
T: +1 215 644 0690
F: +1 215 644 4721
info@aurora-optics.com
www.aurora-optics.com
Fibre Optics: Fibre Optic Cable Splitters - Fibre optic cable splices.
Avcorp Industries Inc.
1002 River Way, Delta, BC V4G 1M7, Canada.
T: +1 604 382 6677 x2337
F: +1 604 382 2620
rocaates@avcorp.com
www.avcorp.com
Airframe Assemblies: Fairings - Wheel well fairing; Wings - Wing tip panels; Wing Spoilers - Wing spoilers; Aircraft Doors - Doors.
Avibank Mfg. Inc.
11500 Sherman Way, North Hollywood, CA 91605, U.S.A.
T: +1 818 392 2100
F: +1 818 255 2094
www.avibank.com
Fasteners: Latch Fasteners - Attachment pins; retention cable; Auto-Lok fasteners; latches.
AVIC SAC Commercial Aircraft Company Ltd
No. 88 Lantian Road, Hunnan District, Shenyang, 110000 Liaoning, China.
T: +86 2431965966
F: +86 243 196 5966
contacts@sacc.com.cn
www.sacc.com.cn
Airframe Assemblies: Fuselage Sections - Aft fuselage section.
AVIC XAC Commercial Aircraft Co., Ltd. (AVIC XAC) (was Xi’an Aircraft Industry)
No. 88 Lantian Road, X’ian, 710089 Shaanxi, China.
T: +86 298 684 6772
F: +86 298 620 2263
www.xcac.com.cn
Airframe Assemblies: Aircraft Control Surfaces - Vertical fin.
Avio Aero
Via I Maggio, PP.4-10040 Villafranca di Torino (TO), Italy.
T: +39 011 008 2111
F: +39 011 008 4163
transmissions@avioaero.it
www.avioaero.com
Engine Components: Engine Parts - Rotor blades & stator vanes, for CFM56 engine; third-stage rotor blades of low pressure turbine, core engine components for CFM56-7E3E, Engine Parts - Low pressure turbine stator stages, disc & casing for LEAP engine.
AVPE Group (was Redcliffe Precision)
Units 123-127 South Liberty Lane, Ashton Vale, Bristol BS5 6SZ, U.K.
T: +44 117 963 5616
F: +44 117 963 5674
kevin@redcliffeprecision.co.uk
www.redcliffeprecision.co.uk
AVT Europe NV
Postbox 65, B-2910 Essen, Belgium.
T: +32 3 546 39 00
F: +32 3 546 39 99
info@avt.be
www.avt.be
Handling Equipment: Jacks - Air jacks for engine installation.
AvtechTye (Tyee Aerospace and Avtech Corp)
6500 Merrill Creek Parkway, Everett, WA 98203, U.S.A.
T: +1 425 290 3100
F: +1 425 513 6474
sales@avtechtwee.com
www.avtechtwee.com
Communications (Airborne): Onboard Intercom Systems - Right deck digital control audio system.
Aydin Displays, Inc.
2 Riga Lane, Birdsboro, PA 19508, U.S.A.
T: +1 610 404 5347
F: +1 610 404 8190
cmckay@aydindisplays.com
www.teltronitech.com
Indicators and instruments: LCD Displays - Console displays.
BAE Systems Platform Solutions
600 Main Street, Johnson City, NY 13790, U.S.A.
T: +1 607 770 2000
F: +1 607 770 3524
platforms.services@baesystems.com
www.baesystems.com
Cabin Interiors: Cabin Management Systems - Touch screen attendant control panel.
Engine Components: Full Authority Digital Controls - FADEC for the LEAP-1B engine.
Flight and Data Management: Onboard Computers - Mission computer systems; Automatic Flight Control Systems -Spoiler control electronics.
Bandy Manufacturing
3420 N. San Fernando Blvd, Burbank, CA 91510, U.S.A.
T: +1 818 846 9020
F: +1 818 846 0621
bandy.sales@bandymfgmanufacturing.com
www.bandymanufacturing.com
Mechanical Components: Hinges - Flight control hinges.
Barnes Aerospace
PO Box 25064, 5300 Aurelius Rd., Lansing, MI 48909, U.S.A.
T: +1 517 393 5110
F: +1 517 393 2243
info@barnesaero.com
www.barnesaero.com
Structural Components: Metal Structures - Titanium components for raceciles.
BaseWest
4240 116th Terrace N., Clearwater, FL 33762, U.S.A.
T: +1 727 573 2700
F: +1 727 573 4307
info@basewest.com
Bavius Technologie Inc.
205 Prairie Lane Road, East Dundee, IL 60118, U.S.A.
T: +1 847 844 3300
F: +1 847 844 3303
sales@bavius-technologie.com
www.bavius-technologie.com/en
Machining: Machining Systems - Structural parts machining.
BAZ Airborne Components & Assemblies
Bar-Lev Industrial Park, 20156 Misgav, Israel.
T: +972 4 956 9606
F: +972 4 955 0091
stefan.horn@baizaircraft.com
www.bazaircraft.com
Structural Components: Aircraft Structural Components - Structural parts and assemblies made from aluminium and steel for fuselage (737 Cargo) and winglet (737).
Beaver Aerospace & Defense, Inc.
11850 Mayfield, Livonia, MI 48150, U.S.A.
T: +1 734 853 5003
F: +1 734 853 5043
info@beaver-online.com
www.beaver-online.com
Actuation: Linear Actuators - Wing flap actuator, Mechanized Actuators - Camerah deployment actuator.
Bell-Memphis, Inc.
2844 Directors Cove, Memphis, TN 38131, U.S.A.
T: +1 901 947 1102
sales@bellmemphis.com
www.bellmemphis.com
Mechanical Components: Tumbleboxes - Control cable tumbleboxes.
Berry Global, Inc. (Berry Plastics, Tapes & Coating Div.)
25 Forge Parkway, Franklin, MA 02035, U.S.A.
T: +1 508 918 1600
F: +1 800 328 4822
4,269 companies in 1,752 product categories with 24,358 links between*

* figures correct as at 18 May 2013, but updated daily.
1.25 million impressions of 13,083 web pages by 399,000 unique visitors

*annual figures for year to May 2013*
Collins Aerospace, Electric Systems
4747 Harrison Avenue, Rockford, IL 61108, U.S.A.
T: +1 815 226 6000
F: +1 815 226 7288
www.collinsaerospace.com


Collins Aerospace, Engine Components
3405 South 5th Street, Phoenix, AZ 85040-1169, U.S.A.
T: +1 602 243 2274
F: +1 602 243 2218
www.collinsaerospace.com

Collins Aerospace, Engine Components
811 Fourth Street, PO Box 65100, West Des Moines, IA 50265-0100, U.S.A.
T: +1 515 274 1561
F: +1 515 271 7201
www.collinsaerospace.com


Collins Aerospace, Interior Lighting
75 Beacon Drive, Holbrook, NY 11741, U.S.A.
T: +1 631 563 6400
F: +1 631 563 8791
www.collinsaerospace.com

Lighting: Aircraft interior lighting systems - Advanced LED cabin lighting system for Boeing Sky Interior; Aircraft interior lighting systems - Interior lighting.

Collins Aerospace, Interiors
1400 Corporate Center Way, Wellington, FL 33414-8599, U.S.A.
T: +1 315 630 4900
F: +1 315 630 4990
www.collinsaerospace.com
Cabin Interiors: Passenger Seating - Pinacle light-weight economy class seats.

Collins Aerospace, Interiors
3420 South 7th Street, Phoenix, AZ 85040-1169, U.S.A.
T: +1 602 243 2274
F: +1 602 243 2218
www.collinsaerospace.com
Crew Seating: Specialty seating systems.

Collins Aerospace, Interiors Division
2599 Empire Drive, Winston-Salem, NC 27103, U.S.A.
T: +1 336 747 5000
F: +1 336 744 6973
www.collinaeroas.com

Cabin Interiors: Inflight Entertainment - Installation kits for Connexion system products; Lavatory Equipment - Modular lavatory systems; Lavatory Equipment - Lavatory complex and lavatory.


Collins Aerospace, Interiors, Lighting Systems
Berthelotstrasse 8, D-59557 Lippstadt, Germany.
T: +49 2941 7676-1
F: +49 2941 7676 8432
www.collinsaerospace.com

Cabin Interiors: Cabin Signage & Displays - Exit signs.

Lighting: Aircraft exterior lighting systems - Fuselage anti-collision lights; forward & aft navigation lights.

Collins Aerospace, Landing Gear
6225 Oak Tree Boulevard, Irvine, CA 92613, U.S.A.
T: +1 216 341 1700
F: +1 216 429 4806
www.collinsaerospace.com


Collins Aerospace, Mechanical Systems - Actuation
Stafford Road, Forthouses, Wolverhampton, West Midlands WV10 7EH, UK.
T: +44 1902 624 644
F: +44 1902 624 947
www.collinsaerospace.com

Actuation: Electromechanical Actuators - Thrust reverser actuation.

Collins Aerospace, Sensors & Integrated Systems
14300 Judicial Road, Burnsville, MN 55306-4898, U.S.A.
T: +1 952 892 4000
F: +1 952 892 4806
www.collinsaerospace.com

Environmental Systems: Water heaters - Water line heaters; heated drain masts; lavatory/galley water heaters.

Indicators and instruments: Fuel quantity indicators - Fuel quantity indicators; Angle of attack indicators - Angle of attack sensors.

Mechanical Components: Windshield wipers - Windshield wiper systems.


Sensors, Transducers & Detectors: Sensors/Transducers - Total temperature sensors; flow sensors; In-flight ice detection sensors; pitot probes.

Collins Aerospace, Wheels and Brakes
101 Waco Street, PO Box 340, Troy, OH 45373-3872, U.S.A.
T: +1 937 339 3811
F: +1 937 440 3286
www.collinsaerospace.com

Landing Assemblies: Aircraft Wheels - Wheels; Carbon Brakes - DU-RA-CARB carbon brakes.

Composite Technology Research Malaysia (CTRM)
Composites Technology City, Batu Berendam, 75350 Melaka, Malaysia.
T: +60 6 317 1007
F: +60 6 317 1000
habibiah@ctrm.com.my
www.ctrm.com.my

Airframe Assemblies: Fairings - Saddle fairing.

Cox & Company, Inc.
1664 Old Country Road, Plainview, NY 11803, U.S.A.
T: +1 212 366 0200
F: +1 212 366 0222
sales@coxandco.com
www.coxandco.com

Environmental Systems: Air Heaters - Air heating systems; gasket heaters.

Mechanical Components: Ice Protection/Prevention Equipment - EMECS - electrically powered electro-mechanical expulsion de-icing systems (P-8A version).

Crane Aerospace & Electronics
16700 13th Ave. W, Lynnwood, WA 98037, U.S.A.
T: +1 425 743 8321
F: +1 425 743 8371
info@craneaero.com
www.craneaero.com

Sensors, Transducers & Detectors: Proximity Sensors - Proximity sensors for landing gear, doors, leading edge slats & flaps.

Crane Aerospace & Electronics, Power Solutions
16700 13th Ave W, Lynnwood, WA 98037, U.S.A.
T: +1 425 743 1313
F: +1 425 743 8371
info@craneaero.com
www.craneaero.com

Power Solutions: Battery chargers - Battery chargers.

Electrical Components: Rectifiers - Transformer rectifier unit.

Sensors, Transducers & Detectors: Proximity sensors - Proximity sensor components.

Cranes Aerospace/Hydro-Aire Inc.
PO Box 7722, 3000 Winona Ave., Burbank, CA 91510, U.S.A.
T: +1 818 526 2600
F: +1 818 842 6117
CommSpares@CraneAerospace.com
www.hydroaire.com


Landing Assemblies: Anti-Skid Brakes & Systems - Anti-skid autobrake system.

Crouzet
12 rue Jean-Julien-Davin, CS 60059, F-26602 Valence cedex 9, France.
T: +33 4 75 80 21 02
F: +33 4 75 82 89 00
customer.relation@crouzet.com
www.crouzet.com

Switches: Limit Switches - Limit and proximity switches.

CTRL Systems, Inc.
Suite H, 1004 Littlestown Pike, Westminster, MD 21157-3026, U.S.A.
T: +1 410 876 5676
F: +1 410 848 8073
info@ctrlsys.com
www.ctrlsys.com

Inspection Equipment: Ultrasonic Inspection Equipment - UT-101 ultrasonic diagnostic tool.

CCT Systems AB
PO Box 1042, S-114 29 Nyköping, Sweden.
T: +46 1 552 059 20
F: +46 1 552 059 25
cct@ctc.se
www.ctc.se

Environmental Systems: Air Conditioning Equipment - Zonal Drying humidity control system.

Curtiss-Wright Flight Systems
201 Old Rolling Springs Road, Shelby, NC 28122, U.S.A.
T: +1 704 481 1150
F: +1 704 481 2223
www.cw-sensorsandcontrols.com

Power Transmission: Gears & Assemblies - Trailing edge transmissions and trailing edge flap drive.

Structural Components: Flap/Slat Mechanisms - Flap track assembly for outboard & inboard flap system.

Curtiss-Wright Surface Technologies HQ
80 Route 4 East, Paramus, NJ 07652, U.S.A.
T: +1 201 843 7800
info@cwst.com
www.cwst.com

Surface Treatment: Shot Peening.

Custom Control Sensors, LLC
21111 Plummer Street, Chatsworth, CA 91311, U.S.A.
T: +1 818 341 4610
F: +1 818 709 0426
switchnet@ccdsualn.com
www.cccdsualn.com

Switches: Mechanical Switches - Dual-Snap switches.

Davall Gears Ltd
Travellers Lane, Welham Green, Hatfield, Herts AL6 0ET, U.K.
T: +44 1707 283 100
F: +44 1707 283 111
info@davall.co.uk
www.davall.co.uk

Power Transmission: Gear Drives - Aircrew seat actuation.

Didsbury Engineering Co Ltd
Lower Meadow Road, Brooke Park, Handforth, Wilmslow SK9E3LP, U.K.
T: +44 161 486 2300
F: +44 161 486 2211
sales@didsbury.co.uk
www.didsbury.co.com

Handling Equipment: Hoists - API fishplate nook.
Enco Interior Systems (was EnCore Aerospace LLC)
1729 Apollo Court, Seal Beach, CA 90740, U.S.A.
T: +1 714 325 7909
info@encoreaerospace.com
www.encoreaerospace.com
Airframe Assemblies: Aircraft Flooring - Floor panels.

Esterline Control & Communication Systems (Korry)
11910 Beverly Park Road, Everett, WA 98204,
T: +1 425 297 9700
F: +1 425 297 9876
korry.sales@esterline.com
www.esterline.com/controlsystems/korry
Electrical Components: Switch Displays - LED switches & indicators.

FACC AG
Fischertor 9, A-4910 Ried, Austria.
T: +43 59 616 0
F: +43 59 616 81000
office@facc.com
www.facc.com

FELLFAB Limited
2343 Barton Street East, Hamilton, ON L8E 5V8,
T: +1 905 560 9230
F: +1 905 560 5846
mark.maddalena@felflab.com
www.felflab.com
Cabin Interiors: Curtains.

Flexfab Div.
1699 West M-43 Highway, Hastings, MI 49058, U.S.A.
T: +1 269 945 2433
F: +1 269 945 4802
sales@flexfab.com
www.flexfab.com
Mechanical Components: Hydraulic & Pneumatic Seals - Bulkhead penetration seals.
Non-Mechanical Components: Non-Metallic hoses - Lightweight hose and ducting; flexible waste water connectors.

Flexible Corporation
1483 Gould Drive, Cookeville, TN 38502-3105, U.S.A.
T: +1 931 432 1853
F: +1 931 432 1889
gcummings@flexical.com
www.flexical.com

Fokker Elmo
Aviodeltaa 33, NL-4631 RP Hoogerheide, Netherlands.
T: +31 16 461 76 00
F: +31 16 461 77 50
fokker.communications@fokker.com
www.fokker.com
Forged Solutions Group
26A Atlas Way, Sheffield S6 7QK, U.K.
+44 114 219 3000
info@forgedsolutions.com
www.forgedsolutionsgroup.com
Engine Components: Engine Parts - Closed die forged & seamless ring rotating components for LEAP-1B engine.

FTG Aerospace Inc.
20740 Manilla St, Chatsworth, CA 91311, U.S.A.
T: +1 818 407 4024
F: +1 818 407 4033
serviceusaf@ftgcorp.com
www.ftgcorp.com
Avionic Components: Control Panels.

GE Aircraft Engines
1 Neumann Way, Cincinnati, OH 45215-6301, U.S.A.
T: +1 513 243 2000
www.geaviation.com

GE Aviation (Mechanical Systems LA)
1700 Business Center Drive, Duarte, CA 91010-2859, U.S.A.
T: +1 626 359 1794
F: +1 626 359 1794
www.geaviation.com
Actuation: Mechanical Actuators - Thrust reverser actuation system; utility actuators.

GE Aviation Systems
3290 Patterson Avenue, SE, Grand Rapids, MI 49512-1911, U.S.A.
T: +1 616 241 7000
F: +1 616 241 7533
 www.geaviationsystems.com
Flight and Data Management: Flight Management Systems - UF3.

GE Aviation Systems - Digital
14200 Roosevelt Blvd, Clearwater, FL 33762, U.S.A.
T: +1 727 531 7781
F: +1 727 538 7304
aviation.mediarelations@ge.com
www.geaviationsystems.com
Avionic Components: Control Panels - Multipurpose control display unit.
Flight and Data Management: Flight Management Systems - Flight management system; data acquisition replay tool; navigation database.

General Dynamics Ordnance & Tactical Systems
PO Box 79009, 11441 Willows Road N.E., Redmond, WA 98073-9709, U.S.A.

GKN Aerospace
Ferry Road, East Cowes, Isle of Wight PO32 7ER, U.K.
+44 1983 294 101
info@aeration��统.com
www.gknaerospace.com
Airframe Assemblies: Winglets - Blended winglets, Winglets - Advanced technology winglet.
Engine Components: Nacelles - One-piece engine nacelle inlet lip skins.
Windows & Glass: Windscreens - Anti-splatter windscreens.

GKN Aerospace - Aerostructures North America
142 IS McDonald Blvd, Hazelwood, MO 63042, U.S.A.
T: +1 314 264 3002
F: +1 314 264 3000
media@gknaerospace.com
www.gknaerospace.com
Airframe Assemblies: Winglets - Advanced technology winglet final assembly and painting.

GKN Aerospace - Sheets Manufacturing
174 Millennium Drive, Orangeburg, SC 29115, U.S.A.
+1 334 283 9500
www.gknaerospace.com
Metals: Metal & Alloy Fabrications - Engine inlet aluminium lip skins.

GKN Aerospace Engine Systems, Kongsberg
PO Box 1004, N-3601 Kongsberg, Norway.
+47 32 72 84 00
F: +47 32 28 95 20
gkn.engineering@mm.com
www.gkn.com/aerospace
Engine Components: Turbine Engine Vanes - For CFM56-7BE engine; Engine Parts - Low pressure turbine casings for CFM56-7B engine.

GKN Aerospace Transparency Systems
12122 Western Avenue, Garden Grove, CA 92841, U.S.A.
T: +1 714 653 7531
sales@usa.gkn-aerospace.com
www.gkn.com/aerospace
Windows & Glass: Windows - Cockpit & cabin windows.

Goodyear Tire & Rubber Company
200 Innovation Way, Akron, OH 44316, U.S.A.
T: +1 330 796 2212
www.goodyearaviation.com
Landing Assemblies: Tyres.

Groov-Pin Corp.
331 Farmum Pike, Smithfield, RI 02917, U.S.A.
T: +1 201 945 6780
F: +1 201 945 8998
info@groov-pin.com
www.groov-pin.com
Fasteners: Inserts - Threaded inserts.

Hamble Aerostuctures (Aernova Group) (was GE Aviation)
Kings Avenue, Hamble-Le-Rice, Southampton, Hampshire SO31 9EF, U.K.
+44 2390 453 371
F: +44 2390 744 042
www.aernova.com
Airframe Assemblies: Wing Flaps - Wing fixed leading edge structural ribs & associated substructures.

Harris Antenna Products (EDO Corp)
435 Cormack Road, Deer Park, NY 11729-4591, U.S.A.
T: +1 631 218 5575
F: +1 631 537 1800
www.harris.com
Communications (Airborne): Communication Antennas - VHF communication antenna.

Harris Corporation UT
506 S. Billy Mitchell Road, Salt Lake City, UT 84116, U.S.A.
T: +1 801 363 9554
F: +1 801 537 1800
www.harris.com

Harris Corporation VA
1650 Tysons Blvd. Suite 1700, McLean, VA 22102, U.S.A.
T: +1 703 790 6300
F: +1 703 790 6360
www.exelinc.com
Weapons Systems: Ordnance Handling Equipment - Sonobuoy launchers & carriage & release systems.

Hartwell Corp.
900 S. Richfield Rd., Placentia, CA 92870, U.S.A.
T: +1 714 993 4200
F: +1 714 579 4419
info@hartwellcorp.com
www.hartwellcorp.com
Airframe Assemblies: Aircraft Doors - Pressure relief door.

HBD/Thermoid Inc. - a subsidiary of HBD Industries, Inc.
201 N Allen Avenue, Chanute, KS 66720-0728, U.S.A.
T: +1 620 431 9100
F: +1 620 431 9105
info@bhdthermoid.com
www.bhdthermoid.com
Mechanical Components: Manifolds & Ducts - Environmental ducting for on-board ventilation.

Herley Industries Inc.
3001 Industry Drive, Lancaster, PA 17603, U.S.A.
T: +1 717 397 2777
F: +1 717 397 7079
sales@herley.com
www.herley.com
Avionic Components: Microwave Components - Integrated microwave assemblies.

Héroux-Devtek Inc.
1111 St-Charles St W #56B, W Tower, Longueuil, QC J4K 5G4, Canada.
T: +1 450 679 5450
F: +1 450 679 3666
info@herouxdevtek.com
www.herouxdevtek.com
Power Transmission: Torque Tube Drives - Torque tubes.

Hexcel Composites
Z. La Plaine, BP 27 Bagneux, F-01121 Montebel Cedex, France.
T: +33 4 72 25 26 27
F: +33 4 72 25 27 30
communications@hexcel.com
www.hexcel.com
Composites: Carbon-reinforced Composites - HexTow M7 carbon fibre for LEAP-1B engine fan blades & containment cases.

Hexcel Structures
PO Box 97004, 19819 84th Ave S, Kent, WA 98044-9704, U.S.A.
T: +1 800 227 2147
F: +1 800 227 2147
www.hexcel.com
Airframe Assemblies: Aircraft Control Surfaces - Vertical & horizontal stabilizer closeout panels; wing trailing edge assemblies; Fairings - Dorsal fairings. Cabin Interiors: Aircraft interiors - Cockpit flight deck sidewall & ceiling panels.

Hindustan Aeronautics Ltd. (Aircraft Division Bangalore)
Post Bag 1785, Bangalore Complex, 560 017 Bangalore, India.
T: +91 80 25268969
F: +91 80 25265188
Cabin Interiors: Passenger Seating.

Kollmorgen Aerospace & Defense
501 West Main Street, Radford, VA 24141, U.S.A.
- T: +1 540 633 3536
- F: +1 540 731 5679
Aerospace&Defense@kollmorgen.com
www.kollmorgen.com
Actuation: Linear Actuators - Actuators for flaps & HSTA.

Korean Air Aerospace Division
280 Haneul-gil, Gangseo-gu, 07505
Seoul, South Korea.
- T: +82 2 571 7310
- F: +82 2 571 7347
bsoe@koreanair.com
techncenter@koreanair.com
Airframe Assemblies: Fairings - Flap support fairing.

Lamart Corporation
16 Richmond Street, Clifton, NJ 07015, U.S.A.
- T: +1 973 772 6262
- F: +1 973 772 3673
kpace@lamartcorp.com
www.lamartcorp.com
F: +1 973 772 6262
T: +1 973 772 6262
Non-metal Materials: Laminates - PMI & PEX covering films for thermal/acoustic insulation.

Lamsco West, Inc.
29101 The Old Road, Santa Clarita, CA 91355, U.S.A.
- T: +1 661 295 8620
- F: +1 661 295 8626
sales@lamscowest.com
www.lamscowest.com
Non-metal Materials: Laminates - Laminated shear & components.

Latecoere
135 rue de Peronne, BP 5211, F-31079
Toulouse Cedex 5, France.
- T: +33 5 61 58 77 00
- F: +33 5 61 26 28 41
www.latecoere.com

Le Creneau Industriel
6 Le Creneau Industriel
38100 Grenoble, France.
- T: +33 4 76 60 00 00
- F: +33 4 76 60 00 11
lecreneau@creneau.fr
www.lecreneau.fr
Tools: Machine Tools.

LeiFell Manufacturing Co.
13700 Firestone Blvd., Santa Fe Springs, CA 90670, U.S.A.
- T: +1 562 921 3411
- F: +1 562 926 1714
sales@leiffel.com
www.leiffel.com
Structural Components: Struts - Control rods, struts & braces.

LMI Aerospace, Inc.
411 Fountain Lakes Blvd, Saint Charles, MO 63301, U.S.A.
- T: +1 636 946 6525
- F: +1 636 949 1576
info@miamiaerospace.com
www.miamiaerospace.com
Airframe Assemblies: Wing Flaps - Wing leading edge skis, flap spars, wedges; Aircraft Landing Gear - Cockpit crew floor.
Structural Components: Aircraft Structural Components - Door assembly structural details; cockpit window frames; landing light lens assembly.

Magnolia Advanced Materials, Inc.
5547 Peachtree Blvd, Chamblee, GA 30341-2296, U.S.A.
- T: +1 770 451 2777
- F: +1 770 451 5376
airframermagnoliaplastics.com
magnoliaplastics.com
Composites: Epoxy Resins - Epoxies, syntactics, resins.

Marshall Aerospace
The Airport, Newmarket Road, Cambridge CB5 9JR, U.K.
- T: +44 114 288 9444
- F: +44 114 288 9994
sales@lomas.co.uk
www.lomas.co.uk
Tools: Cutting Tools.

Loos & Co. Inc.
168 Mashamquet Rd, Pomfret Center, CT 06258, U.S.A.
- T: +1 860 928 7918
- F: +1 860 928 6167
sales@loosco.com
www.loosco.com
Mechanical Components: Wire Assemblies - Wire rope flight control cable assemblies.

LOD Electromechanical Solutions
400 Chemin des Molles - ZAC Les Vinyas, F-26241 Pont de l’Isère, France.
- T: +33 4 87 96 02 00
- F: +33 4 87 96 02 01
www.lord.com
Engine Components: Autotrottle Systems - Design and manufacture the autotrottle Module (ATM).

Lytron, Inc.
55 Dragon Court, Woburn, MA 01801, U.S.A.
- T: +1 781 935 4529
- F: +1 781 935 4529
info@lytron.com
www.lytron.com
Engine Components: Oil Coolers - Air/oil heat exchanger.

Magellan Aerospace Kitchener
975 Wilson Ave., Kitchener, ON N2C 1J1, Canada.
- T: +1 519 893 7575
- F: +1 519 893 5952
www.maggilan aerospace.com
Airframe Assemblies: Wings - Wing components.
Landing Assemblies: Aircraft Landing Gear - Landing gear components.

Magnuson Control Systems
260 Haneul-gil, Gangseo-gu, 07505
Seoul, South Korea.
- T: +82 2 571 7310
- F: +82 2 571 7347
bsoe@koreanair.com
techncenter@koreanair.com
Airframe Assemblies: Fairings - Flap support fairing.

Meggitt Control Systems
Oscar House, Wharf Road, Tyesley, Birmingham B1612DG, U.K.
- T: +44 121 623 6000
- F: +44 121 623 6100
mfc-info@meggitt.com
www.meggitt.com

Meggitt Polymers & Composites (USA)
2010 Lafayette Ave., McMinnville, OR 97128, U.S.A.
- T: +1 503 472 0045
- F: +1 503 436 6545
ai.calabria@meggitt.com
www.meggittpolymers.com
Mechanical Components: Rubber & Silicone Seals - Wheel well seals.

Meggitt Polymers & Composites HQ
669 Goodyear Street, Rockwall, TX 75033, U.S.A.
- T: +1 972 684 7855
- F: +1 972 684 7438
aoile@meggitt.com
www.meggitt.com

Meggitt Sensing Systems
Route de Moncor 4, PO Box 1616, CH-1701 Fribourg, Switzerland.
- T: +41 26 407 11 11
- F: +41 26 407 15 55
aerospace@ch.meggitt.com
www.meggitt.com
Engine Components: Engine Health Monitoring - Engine sensor products for LEAP-1B engine (through Snecma).

Mitsubishi Aircraft Corporation
16-5 Konan 2-chome, Minato-ku, 108-8215
Tokyo, Japan.
- T: +81 3 6716 3111
- F: +81 3 6716 5800
www.mitsubishi-aircraft.com
Airframe Assemblies: Wing Flaps - Inboard Flaps.

Moog Flight Controls
Wobston Road, Wolverhampton, West Midlands, U.K.
- T: +44 1902 397 700
- F: +44 1902 394 394
www.moog.com
Actuation: Mechanical Actuators - Flight control actuators.
Wing box components (for Spirit).

**Components**

A. Irvine, Inc.
MPC Industrial Products

**Equipment**

F: +1 905 264 1907

Surface Treatment

Sales@mpcip.com

**Ultrasonic Inspection Equipment** - Ultrasonic Wing skin measuring systems;

F: +1 905 264 2050

Machining

Tooling

Ultrasonic Inspection Equipment - Ultrasonic Wing to fuse join jigs

Tooling

Wing to body join alignment tooling: wing assembly tooling.

**Handling Equipment** - Lifting Equipment - Moving line tug

Tooling

Wing to body join alignment tooling: wing assembly tooling.

**Wing skin measuring systems**;

**Ultrasonic Inspection Equipment** - Ultrasonic Wing skin measuring systems;

**Inspection Equipment**

Precision Components, Inc.

16305 E. Picacho Road, Rio Verde, AZ 85263, U.S.A.

T: +1 949 295 6867
tshani17@aol.com
www.precisioncomp.com

**Electrical Components** - Solenoids.
**Structural Components** - Metal Structures - Metallic machined parts: Valves.

PTI Technologies Inc.

501 Del Norte Blvd., Oxnard, CA 93030, U.S.A.

F: +1 805 604 3700

F: +1 805 604 3701

filters@ptitech.com

**Fluid Power** - Hydraulic Filters - DG Lubrication filters.
**Fuel Systems** - Fuel Filters - APU fuel filters.

QED/Inc.

2920 S. Halladay St., Santa Ana, CA 92705, U.S.A.

T: +1 714 546 6100

F: +1 714 546 1638

rgraham@qedinstruments.com

www.qedinstruments.com

**Indicators and instruments** - Pressure Indicators - miniature pressure gauges.

QFP Srl

via Gullotti, 31, Z.I. Madonna di Lugo, I-06049 Spoleto (PG), Italy

T: +39 0743 220 401
F: +39 0743 220 401
info@qfpsrl.it

www.qfpsrl.it

**Technical Consultants** - Engineering Management Services - Engineering consultancy services for deployable airstairs.

Quantum Composites, Inc.

1310 South Valley Center Drive, Bay City, MI 48706, U.S.A.

T: +1 989 922 3863
F: +1 989 922 3919
info@quantumcomposites.com

www.quantumcomposites.com

**Composites** - Reinforced Composite Molding Compounds - Epoxy/phenolic materials.

Radiant Power Corporation

7135 16th Street East, Suite 101, Sarasota, FL 34243, U.S.A.

T: +1 941 739 3200
F: +1 941 739 3201
inquiries@radiantpowercorp.com

www.radiantpowercorp.com

**Batteries & Accessories** - Nickel-Cadmium Batteries - Battery power supply for emergency exit lighting supply.

Radius Aerospace - Hot Springs (was Triumph Aerospace Structures - Fabrications)
Raytheon Intelligence & Space (RIS) (was Raytheon, Space and Airborne Systems)
2000 East El Segundo Blvd., El Segundo, CA 90245, U.S.A.
T: +1 310 647 1000
www.raytheon.com

Recaro Aircraft Seating
Daimlerstr. 21, D-74523 Schwaebisch Hall, Germany.
T: +49 791 503 7000
F: +49 791 503 7163
info@recaro-as.com
www.recaro-as.com

Cabin Interiors: Passenger Seating.

Rexnord Industries, LLC
P.O. Box 2022, Milwaukee, WI 53201, U.S.A.
T: +1 414 643 3000
F: +1 414 643 3018
www.aerospace.rexnord.com

Mechanical Components: Mechanical Seals - Seals & bearings.

Rockwell Collins - ICG
230 Pickett’s Line, Newpors News, VA
23603, U.S.A.
T: +1 757 947 1030
F: +1 757 947 1035
sales@blog.cco.com
www.rockwellcollins.com

Communications (Airborne): Airborne Communication Systems - In-Flight Entertainment SATCOM terminal

RWJ Casters Co.
P.O. Box 668, 1225 Isleby Road, Gastonia, NC 28053, U.S.A.
T: +1 800 634 7704
F: +1 800 253 6634
sales@rwmcasters.com
www.rwmcasters.com

Mechanical Components: Casters - Heavy-duty specialty casters.

SACS Aerospace GmbH (was SACS Boyesen Aerospace Group)
Robert-Bosch-Str. 15, D-72186 Empfingen, Germany.
T: +49 7485 97722 100
F: +49 7485 97722 109
info@sacsaco.com
www.sacsaco.com

Mechanical Components: Door Locks; Latches;
Sheet Metal Processes: Bending.

Safran Aero Boosters
Route de Liens 121, B-4041 Milmort, Belgium.
T: +32 4 278 81 11
F: +32 4 278 52 07
www.safran-aero-boosters.com

Engine Components: Compressors - Low pressure compressors for CFM56 engine; Oil Tanks - Oil tank, pump, filter & anti-ice valve.

Safran Aerosystems - Oxygen Systems
225 Erie Street, Lancaster, NY 14086, U.S.A.
T: +1 716 681 3100
F: +1 716 681 1089
www.safran-aerosystems.com


Safran Aerosystems - Wall Township (Air Cruisers)
1747 State Route 34, Wall Township, NJ 07727, U.S.A.
T: +1 732 681 3527
F: +1 732 681 9163
www.safran-aerosystems.com


Safran Aerosystems / IDD Aerospace Corp.
18225 N.E. 78th St., Redmond, WA 98052, U.S.A.
T: +1 425 897 4301
F: +1 425 883 0387
Oliver.Boost@zodiaciaerospace.com
www.safran-aerosystems.com

Indicators and instruments: Keyboards - Keyboards, illuminated cockpit panels, integrated switch panels.

Safran Cabin - Bellingham (was Zodiac Airline Cabin Interiors)
3225 Woburn Street, Bellingham, WA 98226, U.S.A.
T: +1 360 738 2005
F: +1 360 715 3999
www.safcan.com

Cabin Interiors: Lavatory Equipment - Lavatories.

Safran Cabin - Herborn (was Zodiac Premium Galley)
Dr.-Siegfried-Strasse, D-38745 Herborn, Germany.
T: +49 5722 707 100
F: +49 5722 707 195
www.safcan.com

Cabin Interiors: Galley; Galley inserts; Storage Bins - Stowage compartment.

Safran Cabin (was Zodiac Cabin Interiors)
5701 Bolsa Ave., Huntington Beach, CA 92647, U.S.A.
T: +1 714 934 0000
F: +1 714 934 0088
www.safran-cabin.com

Cabin Interiors: Lavatory Equipment - Lavatories; Galley; Aircraft Interiors - Closets, class dividers, cockpit door.

Safran Cabin Catering (was Zodiac AirCatering Equipment)
Toerminalstrasse 16, NL-1812 RL Alkmaar, Netherlands.
T: +31 88 374 38 00
F: +31 88 374 38 05
www.safran-cabin.com

Cabin Interiors: Galley; Aircraft Interiors - Closets, class dividers.

Safran Landing Systems
BP 40, Inovel Parc Sud., F-78140 Velizy Villacoublay, France.
T: +33 1 46 29 81 00
F: +33 1 46 29 87 00
www.safcan-landing-systems.com

Landing Assemblies: Aircraft Wheels - Wheels; Carbon Brakes - Sepcarb II CR oxidation resistant carbon brakes.

Safran Transmission Systems
Power Transmission Division, 18, Boulevard Louis Seguin, F-92707 Colombes Cedex, France.
T: +33 1 41 30 50 10
F: +33 1 41 30 54 12
www.cehispano-suiza-sa.com

Electrical Components: Wire Harnesses - Electrical harnesses for CFM56 engine.
Engine Components: Full Authority Digital Controls - FADEC for CFM56 engine.
Power Transmission: Mechanical Transmissions - Power transmissions for CFM56 engine; Gearboxes - Accessory gearboxes for CFM56 engine.

Saft America Inc.
711 Gil Harbin Blvd., Valdosta, GA 31601, U.S.A.
T: +1 229 247 2331
F: +1 229 247 8486
aircraft@saftbatteries.com
www.saftbatteries.com

Batteries & Accessories: Nickel-Cadmium Batteries - 23180 series ni-cd batteries; 5392v/1 series U.M ni-cd batteries.

Saint-Gobain Performance Plastics MG Silikon
Robert-Bosch-Strasse 17, D-88131 Lindau, Germany.
T: +49 8382 70562
F: +49 8382 75122
info@mg-silikon.de
www.saint-gobain.com

Mechanical Components: Rubber & Silicone Seals - Window seals.

Siemens SAS Airborne Safety Systems
15-17 Avenue Morane Saulnier, F-78140 Velizy Villacoublay, France.
T: +33 1 85 57 01 00
F: +33 1 39 56 42 08
andry.rakotomanga@siemens.com
www.airborne.siemens.fr


SKF Group
Hornsgatan 1, S-61550 Goteborg, Sweden.
T: +46 3 170 00 00
F: +46 3 172 72 32
info@skf.com
www.skf.com

Bearings: Mainshaft and gearbox bearings for the CM1 LEAP engine.

Solvay
4500 McGinnis Ferry Road, Alpharetta, GA 30005-3914, U.S.A.
T: +1 770 772 8200
F: +1 770 772 8730
www.solvay.com

Composites: Carbon-reinforced Composites - Carbon fibre

Southwest United Industries, Inc.
422 S. St Louis Ave, Tulsa, OK 74120, U.S.A.
T: +1 918 587 4161
F: +1 918 582 6158
tulquote@pcairframe.com
www.pcaaero.com/companies/swi/swi-tulsa/

Coatings: Coatings Services - Thermal spray coating services.

Spectra Interior Products, Inc.
2500 Empire Drive, Suite 200, Winston-Salem, NC 27103, U.S.A.
T: +1 336 794 3030
F: +1 336 794 3034
robin@spectra-ip.com
www.spectra-ip.com

Cabin Interiors: Floor Coverings - Carpets; Cushions - Seat cushions; Tapestry - Bulkhead tapestry - Leather.

Sphera Test & Services
109 avenue Eisenhower, CS 42326, F-31023 Toulouse CED, France.
T: +33 5 43 55 40 00
F: +33 5 43 55 40 56
test.support@sphera.com
www.sphera.com

Test Equipment: Test System.

Spirit AeroSystems, Inc.
P.O. Box 78008, Wichita, KS 67207-0008, U.S.A.
T: +1 316 526 9000
communications@spiritaero.com
www.spirit.aero

Airframe Assemblies: Fuselage Sections - Fuselage; forward fuselage assembly; vertical fin; front & rear wing spars; horizontal stabilizer; nacelle & outboard flaps; wings to body fairing; Section 41. 75% of airframe in total.; Wing.
Mechanical Components: Ice Protection/Prevention Equipment - Heated fill fittings for potable water system.

Voss Industries Inc.
2168 West 25th St., Cleveland, OH 44113-4172, U.S.A.
T: +1 216 771 7655
F: +1 216 771 2887
voss@vossind.com
www.vossind.com

Mechanical Components: Clamps - Clamps, flanges couplings, coupling and ducting products.

WGI, Inc
34 Hudson Drive, Southwick, MA 01077, U.S.A.
T: +1 413 569 9444
F: +1 413 569 9369
info@wgi.us
www.wgi.us

Engine Components: Engine Parts - Engine & gearbox parts.

Whipany Actuation Systems
110 Algonquin Parkway, Whippany, NJ 07981-1640, U.S.A.
T: +1 973 428 9898
F: +1 973 428 8532
sales@whipactsys.com
www.whipactsys.com

Actuation: Electromechanical Actuators - Aileron trim actuator, APU inlet door actuator, speed brake actuator, forward air stair door actuator.

Wipro Infrastructure Engineering
No. 88, 5th Floor, SBI Towers, M.G Road, 560 110 Bangalore, India.
T: 0091 80 39292111
F: +91 80 39294080
win.smm@wipro.com
www.wiproinfra.com

Structural Components: Struts - Strut assemblies.

Woodward Aircraft Turbine Systems
P.O. Box 7001, 5001 N. Second St., Rockford, IL 61125-7001, U.S.A.
T: +1 815 877 7441
F: +1 815 639 6033
woodward@woodward.com
www.woodward.com


Woodward HRT
25200 W. Rye Cannon Road, Santa Clarita, CA 91355, U.S.A.
T: +1 661 702 5365
## Management

### Professional Services
- Absolute Data Group
  - Technical Manuals - S1000D software; interactive electronic technical manuals (ETM/ETP) (AEW&C)

### Design
- POS Engineering
  - Design Services - Tooling design

## Materials

### Adhesives
- Berry Global, Inc. (Berry Plastics, Tapes & Coating Div.)
  - Adhesive Tape - Pressure-sensitive adhesive tapes for carpet installation & moisture protection
- Permacel
  - Adhesive Tape - Adhesive tapes

### Coatings
- Chemetall, Coatings Services - Thermal spray coating services
- Berry Global
  - Aerospace & Defense

### Composites
- Boeing Tianjin Composites (BTC)
  - Composite Structures - Flight deck panels
- DuPont Aerospace (DuPont Company)
  - Honeycomb Core Composites - Nomex-based honeycombs in interior sandwich structures, landing gear doors and moveable flight control surfaces.
- Alliedwis Ltd.
  - Packings - Packers & fillers
- Chemical Cloth Company
  - Cloth & Paper Wipers - C-60 cloth tack rags
- Dunmore Corp.
  - Laminate - Interior surfaces films
- DuPont Aerospace (DuPont Company)
  - Laminate - Tedlar films on interior decorative surfaces
- Lamart Corporation
  - Laminate - PVF & PEEK covering films for thermal/acoustic insulation
- Lamisco West, Inc.
  - Laminate - Laminated sheet & components
- Toray Advanced Composites
  - Laminates - Cetex PEI for smoke detector parts, temperature sensing mounts, electronic device moisture shield, galleys skins, flex slat tabs

### Plastics
- General Plastics Manufacturing Co.
  - Plastic Foam - Flame retardant flexible and rigid polyurethane foams for flight deck and cabin interiors
- Pexco Aerospace - Yakima
  - Plastic Extrusions & Sheets - Plastic extrusions
- Solvay
  - Carbon-reinforced Composites - Carbon fibre

### Lubricants
- Orelube Corporation
  - Synthetic Lubricants - Orelube

### Metals
- Alcoa Corporation
  - Titanium - Titanium aluminide alloy for LEAP engine
- Carpenter Technology - Lathrobe Operations
  - Steel - High purity vacuum remelted steels
- GKN Aerospace - Sheets Manufacturing
  - Metal & Alloy Fabrifications - Engine inlet aluminium lip skins
- Kaman Aerospace Aeronautics
  - Metal & Alloy Fabrications - Sheet metal kit & bracket supplied to Zodiac for landing gear electrical & hydraulic accessories
- Kemco Ltd.
  - Metal & Alloy Fabrifications - Metal parts
- TIMET Titanium Metals Corporation
  - Titanium

### Non-metal Materials
- 3M Aerospace Sealsants
  - Fuel Tank Sealsants - Sealsants
- Atlawell Ltd.
  - Packings - Packers & fillers
- Chemical Cloth Company
  - Cloth & Paper Wipers - C-60 cloth tack rags
- Dunmore Corp.
  - Laminate - Interior surfaces films
- DuPont Aerospace (DuPont Company)
  - Laminate - Tedlar films on interior decorative surfaces
- Lamart Corporation
  - Laminate - PVF & PEEK covering films for thermal/acoustic insulation
- Lamisco West, Inc.
  - Laminate - Laminated sheet & components
- Toray Advanced Composites
  - Laminates - Cetex PEI for smoke detector parts, temperature sensing mounts, electronic device moisture shield, galleys skins, flex slat tabs

### Plastics
- General Plastics Manufacturing Co.
  - Plastic Foam - Flame retardant flexible and rigid polyurethane foams for flight deck and cabin interiors
- Pexco Aerospace - Yakima
  - Plastic Extrusions & Sheets - Plastic extrusions

## Components

### Actuation
- Arkwin Industries Inc.
  - Mechanical Actuators - Engine actuators
- Beaver Aerospace & Defense, Inc.
  - Linear Actuators - Wing flap actuator
  - Mechanical Actuators - Camera deployment actuator
- Collins Aerospace, Mechanical Systems - Actuation
  - Electro-Mechanical Actuators - Thrust reverse actuation
- Eaton Aerospace, Actuation Systems Division
  - Electro-Mechanical Actuators - Stabilizer trim actuator
- Electrocom Technologies
  - Electro-Mechanical Actuators - Fuel shutoff valve actuator
- GE Aviation (Mechanical Systems LA)
  - Mechanical Actuators - Thrust reverser actuation system; utility actuators
- Kolmorgen Aerospace & Defense
  - Linear Actuators - Actuators for flaps & HSTA
- Moog Flight Controls
  - Mechanical Actuators - Flight control actuators
- Triumph Integrated Systems - Fluid Power & Actuation - Valencia
  - Hydraulic Actuators - Inboard & outboard ground spoiler actuators; main & nose landing gear retraction actuators
- Whippney Actuation Systems
  - Electro-Mechanical Actuators - Aileron trim actuator, APU inlet door actuator, speed brake actuator, forward air start door actuator
- Woodward HRT
  - Hydraulic Actuators - Thrust reverser actuation system

### Bearings
- Kamanische Corporation
  - Self-Lubricated Bearings - KARON bearings
- NTN-SNR Roulements Argonay Bearings
- SKF Group
  - Bearings - Mainshaft and gearbox bearings for the CFM LEAP engine

### Electrical Components
- ARML Electronics, Inc.
  - Relays - Relay sockets
- Co-Operative Industries Aerospace & Defense
  - Wire Harnesses - Electrical wiring harnesses
- Crane Aerospace & Electronics, Power Solutions
  - Rectifiers - Transformer rectifier unit
- Electrocube, Inc.
  - Power Transformers - Transformers
- Elektro-Metall Export GmbH
  - Wire Harnesses - Wiring kit lighting harness
- Esterline Control & Communication Systems (Korry)
  - Switch Displays - LED switches & indicators
- Fokker Elmo
  - Wire Harnesses - Electrical wiring interconnection system (EWS)
- HR Smith (Technical Developments Ltd
  - Static Dischargers
- Latecure
  - Wire Harnesses - Ruggedized electrical harnesses for CFM56-7
- MATIS: Aerospace
  - Wire Harnesses
- Precision Components, Inc.
  - Solar panels
- Safran Transmission Systems
  - Wire Harnesses - Electrical harnesses for CFM56 engine
- TDG Aerospace Inc.
  - Inverters - UFI 3000 universal fault Interruptor

### Electrical/Electronic Connectors
- Hillet Connectors, Inc.
  - Electrical & Electronic Connectors - Connectors
- Fasteners
  - Atelets De La Hte. Garonne
  - Rods & Rivets
- Aubain Mtg. Inc.
  - Latch Fasteners - Attachment pins; retention cable; Auto-Lok fasteners; latches
- Groov-Pin Corp.
  - Inserts - Threaded inserts
- Howmet Fastener Systems (Arconic)
  - Fasteners - Titanium, stainless steel, alloy steel, aluminum and nickel-based superalloy fastening systems

### Fibre Optics
- Aurora Optics, Inc.
  - Fibre Optic Cable Splicers - Fibre optic cables splices

### Lighting
- Astronics Luminous Systems Inc
  - Aircraft Exterior Lighting Systems - LED position, navigation & anti-collision lighting
- AverteTech (Tye Aircraft and Avertech Corp)
  - Fluorescent Lamp Ballasts - Electronic light ballasts
- Collins Aerospace, Interior Lighting
  - Aircraft Interior Lighting Systems - Advanced LED cabin lighting system for Boeing Sky Interior
  - Aircraft Interior Lighting Systems - Interior lighting
- Collins Aerospace, Interiors, Lighting Systems
  - Aircraft Exterior Lighting Systems - Fuselage anti-collision lights; forward & aft navigation lights
- Honeywell Aerospace, Lighting & Electronics
  - Aircraft Exterior Lighting Systems - Integrated winglet lighting system

### Mechanical Components
- Aero Fluid Products (was Dukes Aerospace)
  - Ice Protection/Prevention Equipment - Bleed air anti-ice system
- Aerodif. Inc.
  - Fluid Fittings - Fittings
- Alairin Aircraft Hinge, Inc.
  - Hinges
- Bandy Manufacturing
  - Hinges - Flight control hinges
- Bell-Memphis, Inc.
  - Tumbruckles - Control cable tumbruckles
- Bolson Company Inc.
  - Shims - Laminated & solid shims, taper shims
- Cablecraft Motion Controls
  - Push-Pull Control Assemblies - Mechanical cable controls
- Collins Aerospace, Sensors & Integrated Systems
  - Windshield Wipers - Windshield wiper systems
- FlexFab Div.
  - Hydraulic & Pneumatic Seals - Bulkhead penetration seals
- HB/D-Thermoid Inc. - a subsidiary of HB Industries, Inc.
  - Manifolds & Ducts - Environmental ducting for on-board ventilation
- Ho Ho Kus, Inc.
  - Clamps - Clamps and fasteners, nuts, bolts & screws
- Hyperelectrics Ltd.
  - Annunciators - Electromagnetic indicators, flags, shutters & annunciators
- Loos & Co. Inc.
  - Wire Assemblies - Wire rope flight control cable assemblies
- Meggitt Polymers & Composites (USA)
Rubber & Silicone Seals - Wheel well seals
National Utilities Co./NUCO
Climps - Clamps & flanges
Renord Industries, LLC
Mechanical Seals - Seals & bearings
RWM Casters Co.
Casters - Heavy duty specialty casters
SACS Aerospace GmbH (was SACS)
Boeing Aerospace Group
Door Locks
Latches
Saint-Gobain Performance Plastics
Mg Silikon
Rubber & Silicone Seals - Window seals
TDG Aerospace Inc.
Ice Protection/Prevention Equipment - Warmlining ice prevention system
Triumph Aerospace Structures - Interiors - Spokane
Manifolds & Ducts - Composite environmental control systems (ECS) ducting (Legacy and MAX variant)
Triumph Structures - Everett
Mechanical Fittings - FLE attach straps, doubler, stowbox fittings, intercostals, splices, brackets & fittings
VINCORION | Jepolec Advanced Systems GmbH
Ice Protection/Prevention Equipment - Heated pit fittings for potable water system
Voss Industries Inc.
Clamps - Clamps, flanges couplings, coupling and ducting products
Non-Mechanical Components
FlexFab Div.
Non-Metallic hoses - Lightweight hose and ducting, flexible water connectors
Precision Coil Spring Co.
Springs
Yokohama Aerospace America, Inc.
Tanks & Pressure Vessels - Water tanks
Passive Electronic Components
TE Connectivity (Measurement Specialties)
Potentiometers - Element segments & rotary potentiometers
Sensors, Transducers & Detectors
Collins Aerospace, Sensors & Integrated Systems
Sensors/Transducers - Total air temperature sensors; flow sensors; in-flight ice detection sensors; pitot probes
Crane Aerospace & Electronics
Proximity Sensors - Proximity sensors for landing gear, doors, leading edge slats & flaps
Crane Aerospace & Electronics
Power Solutions
Proximity Sensors - Proximity sensing components
Meggitt Sensing Systems
Vibration Detectors - Advanced airborne vibration monitor
Structural Components
Advanced Manufacturing (Sheffield) Ltd.
Precision Machined Parts - Jet engine rings
Aerospace Dynamics International
Aircraft Structural Components - Ring beam
Aerosol Aviation Pty Ltd
Precision Machined Parts - Simple curvature interiors (rings); vacuum formed cockpit & cabin parts & assemblies
Arconic Power and Propulsion
(Airconic TITAL)
Metal & Alloy Castings - Aluminium & titanium investment castings
Asco Industries N.V
Flap/Slat Mechanisms - Leading edge high lift mechanisms; flap tracks; flap carriages
Barnes Aerospace
Metal Structures - Titanium components for nacelles
BA2 Airborne Components & Assemblies
Aircraft Structural Components - Structural parts and assemblies made from aluminum and steel for fuselage (737) Cargol and winglet (737)
California Drop Forge, Inc.
Metal & Alloy Forgings - Wing flaps; landing gear parts
Curtiss-Wright Flight Systems
Flap/Slat Mechanisms - Flap track assembly for outboard & inboard flaps system
Ducommun AeroStructures
Metal Structures - Titanium super plastic forming & hot formed details & welded assemblies; titanium structural assemblies for propulsion & thrust reverse (for Spirit Aerosystems)
Metal Structures - Titanium APU exhaust fairing assemblies (for Spirit Aerosystems)
Elwood Texas Forge Navasota (ETFN)
Metal & Alloy Forgings - 15-5Ph flat forgings
Howmet Aerospace (was Arconic Inc.)
Metal & Alloy Forgings - Titanium landing gear parts and nacelle fittings
Kale Aero
Aircraft Structural Components - Manufacture & assembly of structural parts
LeFliet Manufacturing Co.
Struts - Control rods, struts & braces
LMI Aerospace, Inc.
Aircraft Structural Components - Door assembly structural details; cockpit window frames; landing light lens assembly
Magellan Aerospace Corp.
Aircraft Structural Components - Winglet components
Mecachrome France
Aircraft Structural Components - Bulkhead
Noranco Inc.
Aircraft Structural Components - Wing box components (for Spirit)
Otto Fuchs KG
Metal & Alloy Forgings - Forgings
Metal & Alloy Extrusions - Extrusions
Precision Components, Inc.
Metal Structures - Metallic machined parts
Tufler Manufacturing
Precision Machined Parts
Wipro Infrastructure Engineering
Struts - strut assemblies
Switches
Aerospace Control Products, Inc.
Pressure Switches - Float switch standby
Cole Instrument Corporation
Mechanical Switches - Engine starter switch
Crouzet
Limit Switches - Limit and proximity switches
Custom Control Sensors, LLC
Mechanical Switches - Dual-Snap switches
Ducommun Llalarge Technologies
Coaxial Switches - TBC coaxial switches
Mechanical Switches - Pushbutton switches
Eaton Ltd
Pressure Switches - Cockpit switches
Electro-Mech Components
Mechanical Switches - Reading lamp switch; attendant call switch; attendant lens with lamp; switch assembly; reading lamp lens & housing; autopilot switch; attendant call lens
Valves
Carleton Technologies Inc.
Valves - Windscreen rain repellant valve
Meggitt Control Systems
Hydraulic System Valves - Pneumatic valves for CM65-5 engine
Precision Components, Inc.
Valves
Woodward HRT
Servovalves - Pressure-control servovalves in braking system
Windows & Glass
GKN Aerospace
Windshields - Anti-spray windshields
GKN Aerospace Transparency Systems
Windows - Cockpit & cabin windows
PPG Transparencies
Windshields - Laminated glass windshields with inboard plastic anti-spray liner

Airframe Systems

Airframe Assemblies
Aerospace Dynamics International
Aircraft interior bulkheads - Bulkhead assembly
Aerospace Industrial Development Corporation (AIDC)
Aircraft Doors - Pressurised doors; main landing gear door
Airbus Defence & Space
(Airbus Defence & Space)
Aircraft Control Surfaces - Flight control surfaces
Astronics PECO Inc
Aircraft Doors - Impact resistant fuel access doors
Avcop Industries Inc.
Fairings - Wheel well fairings
Wings - Wing tip panels
Wing Spoilers
Aircraft Doors - Doors
AVIC SAC Commercial Aircraft Company Ltd
Fuselage Sections - All fuselage sections
AVIC XAC Commercial Aircraft Co., Ltd. (AVIC XAC) (was Xian Aircraft Industry)
Aircraft Control Surfaces - Vertical fin
Boeing Aeronautics Australia
Wind Flaps - Ailerons
Chengdu Aircraft Industrial (Group) Co., Ltd.
Aircraft Doors - Forward entry door; automatic over-wing exit door
Aircraft Control Surfaces - Rudder
Composite Technology Research Malaysia (CTRIM)
Fairings - Saddle fairing
Ducommun AeroStructures
Wing Spoilers - Ground and flight spoilers
Elliott Systems Cyclone Ltd
Aircraft Doors - Cargo & passenger doors; wheel well panels; blocker doors
Encore Interiors (was EmCore Aerospace LLC)
Aircraft Flooring - Floor panels
FACC AG
Winglets - Blended winglets & split winglets, fixed leading edge panels.
General Dynamics Ordnance & Tactical Systems
Radomes - Ku/Ka tri-band radome
GKN Aerospace
Winglets - Blended winglets
GKN Aerospace - Aerospace
North America
Winglets - Advanced technology winglet final assembly and painting.
Hambly Aeronautics
Airframe in total.
Hexcel Structures
Aircraft Control Surfaces - Vertical & horizontal stabilizer closeout panels; wing trailing edge assemblies
Fairings - Dorsal fairing
Hindustan Aeronautics Ltd.
(Aircraft Division Bangalore)
Aircraft Doors - Weapons bay doors
Honeywell Aerospace
Bleed Air Systems - Bleed air valves & pressure regulator valves
Korean Air Aerospace Division
Fairings - Flap support fairing
LMI Aerospace, Inc.
Wing Flaps - Wing leading edge skins, flapskins, winglets
Aircraft Flooring - Cockpit crew floor
Magellan Aerospace Kitchener
Wings - Wing components
Mitsubishi Aircraft Corporation
Wing Flaps - Inboard flaps
Nippon Precision Casting Corp.
Wing Flaps - Flap segment
Radius Aerospace - Hot Springs
(two Spirit Aerospace Structures - Fabrications)
Aircraft Control Surfaces - Leading edge skins
Spirit AeroSystems, Inc.
Fuselage Sections - Fuselage; forward cab assembly; vertical fin; front & rear wing spans; horizontal stabilizer, inboard & outboard flaps; wing to body fairing; Section 41, 75% of airframe in total.
Wing Flaps: Horizontal stabilizers; vertical fins; slats; flap; forward trailing & leading edges
Fuselage Sections: Fuselage

Triangle Aerospace Structures - Interiors: Spokane
Aircraft Flooring: Composite environmental control systems (ECS) floor panels

Triangle Aerospace Structures - Technology & Engineering Center: Arlington
Aircraft Doors: Pressurised doors; main deck cargo door for cargo variant

Turkish Aerospace Industries (TAI): Wings - Wing tips
Airborne Consolies: Flight deck panels

Cabin Interiors
Adient Aerospace - Ovation (was LIFT enCore)
Passenger Seating - Tourist Class Seating option

Astronics Advanced Electronic Systems (AES)
Passenger Service Units (PSUs): Passenger address amplifier; window heat controllers

Astronics PECO inc
Passenger Service Units (PSU): Passenger service units; air diffusers

BAE Systems Platform Solutions
Cabin Management Systems: Touch screen attendant control panel

Boeing Zhuhai Completion and Delivery Centre
Aircraft interiors - interior completion (China)

Collins Aerospace, Avionics Division
Inflight Entertainment - PAVES

Collins Aerospace, Interiors
Passenger Seating - Pinnacle light-weight economy class seats

Collins Aerospace, Interiors Division
Inflight Entertainment - Installation kits for Connexion systems product

Collins Aerospace, Interiors Division
Emergency Lighting Systems - Slide inflation valve assembly

Collins Aerospace, Interiors, Lighting Systems
Cabin Signage & Displays - Exit sign

FELFAI Limited
Curtains

Hencek Structures
Aircraft interiors - Cockpit flight deck sidewall & ceiling panels

Kolto Industries Ltd
Passenger Seating

NORDAM Interiors & Structures Division
Aircraft Interior Furniture - Custom-made interior monuments/cabinets

Panasonic Avionics Corporation
Inflight Entertainment - 6x Inflight entertainment system

Recaro Aircraft Seating
Passenger Seating

Safran Aerosystems (Monogram)
Lavatory Equipment - Re-circulating toilet system

Safran Cabin - Bellingham (was Zodiac Aerospace Cabin Interiors)
Lavatory Equipment - Lavatories

Safran Cabin - Herborn (was Zodiac Premium Galley)
Galleys - Galley inserts
Storage Bins - Stowage compartment

Safran Cabin (was Zodiac Cabin interiors)
Lavatory Equipment - Lavatories

Spectra Interior Products, Inc.
Cushions - Seat cushions

Theales Avionics S.A.
Inflight Entertainment - TopSeries inflight entertainment system

The Yokohama Rubber Co., Ltd.
Lavatory Equipment - Lavatory modules

Yokohama Aerospace America, Inc.
Lavatory Equipment - Lavatories

Cargo Systems
Telerik Intercontinental
Cargo Systems - Sliding carpet system

Collins Aerospace, Interiors, Lighting Systems
Cabin Signage & Displays - Exit sign

Collins Aerospace, Avionics Division
Inflight Entertainment - PAVES inflight entertainment system

Collins Aerospace, Interiors
Passenger Seating - Pinnacle light-weight economy class seats

Collins Aerospace, Interiors Division
Inflight Entertainment - Installation kits for Connexion systems product

Lavatory Equipment - Modular lavatory systems

Lavatory Equipment - Lavatory complex and lavatory

Environmental Systems
Carleton Technologies Inc.
Water Systems - Portable water regulator

Collins Aerospace, Air Management (Nord-Micro)
Cabin Pressure Control Systems - Cabin pressure control system; ventilation control system

Collins Aerospace, Sensors & Integrated Systems
Water Heaters - Water line heaters; heated drain masts; lavatory/galley water heaters

Cox & Company, Inc.
Air Heaters - Air heating systems; gasket heaters

CCT Systems All
Air Conditioning Equipment - Zonal Drying humidity control system

Donaldson Co. Inc. Aerospace & Defense
Air Filters - Cabin air filters

General Ecology Inc.
Water Purification Systems - Versa Pure AC-2 drinking water microfiltration system

Harris Corporation UTW
Lavatory Equipment - Composite waste tanks

Johns Manville, Inc.
Thermal Insulation - Micro flame foil glass insulation

Fluid Power
Eaton Aerospace, Fuel & Motion Control Division
Hydraulic Pumps - Hydraulic power generation engine drive pumps, AC motorpumps

Hydraulic Power Supplies - Bent axis flap motors, stabilizer trim motors

Fluid Conveyance Systems - Fluid conveyance hoses, fittings, couplings & clamps

Flexible Corporation
Accumulators - MMA Multi-Mission Maritime Aircraft accumulator

PTI Technologies Inc.
Hydraulic Filters - EGO Lubrication filters

Triumph Integrated Systems - Fluid Power & Actuation - Valencia
Accumulators - Hydraulic piston type accumulators

Unison Industries, LLC
Fluid Conveyance Systems - Low pressure turbine active clearance control & transient bleed valve fluid conveyance systems for LEAP-1B engine

Landing Assemblies
Cartron Drop Forge
Aircraft Landing Gear - Landing gear components

Collins Aerospace, Landing Gear
Aircraft Landing Gear - Landing gear

Collins Aerospace, Landing Gear
Aircraft Landing Gear - Landing gear

Collins Aerospace, Landing Gear
Aircraft Landing Gear - Landing gear

Collins Aerospace, Landing Gear
Aircraft Landing Gear - Landing gear

Collins Aerospace, Sensors & Integrated Systems
Aircraft Security Equipment - Cockpit door surveillance systems

DuPont Aerospace (DuPont Company)
Fire Insulation - Thermal acoustic insulation blankets: Nomex-based flame barrier

Honeywell Aerospace
Emergency Locator Transmitters

Latecore

AirCraft Security Equipment - Cockpit door surveillance cameras

Meggit: MUSA/PLC
Fire Fighting/ Detection Systems - Fire protection systems

Safety Harnesses - Safety restraints

Safran Aerosystems - Wall Township (Air Cruisers)
Slides - Evacuation slides

Siemens SAS Airborne Safety Systems
Fire Fighting/Detection Systems - Fire extinguishing system (option)

STG Aerospace
Emergency Lighting Systems - SaFloto photoluminescent floorpath marking system

Techtest Limited
Emergency Locator Transmitters - Emergency locator beacon

Weapons Systems
Harris Corporation VA
Ordnance Handling Equipment - Snoopody launchers & carriage & release systems

Raytheon Intelligence & Space
(RSI) (was Raytheon, Space and Airborne Systems)
Surveillance/Air Defense Radar - Advanced Airborne Sensor

Terma AS
Electronic Warfare Systems - Electronic warfare management system

Avionics
Avionics Components
Ducommun Lulah Large Technologies Control Panels - Lighted panels

FTG Aerospace Inc.
Control Panels

GE Aviation Systems - Digital Control Panels - Multipurpose control display unit

Herley Industries Inc.
Microwave Components - Integrated microwave assemblies

Communications (Airborne)
ACSS, an L3Harris and Thales Company
Radars Transponders - NRT-800 Mode S transponder

Avertix/Tye (Tyee Aircraft and Avtech Corp)
Onboard Intercom Systems - Flight deck digital control audio system

CMC Electronics Inc.
Communication Antennas - CMA-2200SB Intermediate Gain
Aerospace
Collins Aerospace, Avionics Division
Airborne Communication Systems - ICS-300 SATCOM

Collins Aerospace, Avionics Division
Airborne Communication Systems - ICS-300 SATCOM

Harris Antenna Products (EDO Corp)
Communication Antennas - VHF communication antenna

Honeywell Aerospace
Radio Communications Equipment - Quantum Line communications/ navigation radios
Airborne Communication Systems - SATCOM systems

HR Smith (Technical Developments) Ltd
Communication Antennas - Antennas

Rockwell Collins - ICG
Airborne Communication Systems - Indium Cerium SATCOM terminal

Flight and Data Management
AstroNova Inc.
Co-ckpit Printers - Touchdown 640 flight deck printer

BAE Systems Platform Solutions
Onboard Computers - Mission computer systems
Automatic Flight Control Systems -Spoiler control electronics

CME Electronics Inc.
Onboard Computers - Class 2 Prioflight Electronic Flight Bag

GE Aviation Systems
Flight Management Systems - U13

GE Aviation Systems - Digital Flight Management Systems - Flight management system; data acquisition replay tool; navigation database

Honeywell Aerospace
Flight Management Systems - Flight data acquisition & management system
Flight Recorders - Co-ckpit voice & data recorders
Co-ckpit Printers - Mark II communications management unit with cockpit printer

Teledyne Controls
Data Acquisition Systems - Digital flight data acquisition unit for airplane health management system; information management system

Thales Avionics S.A.
Flight Management Systems - integrated standby flight display

 Imaging and Visual Systems
Astronautics Maxx-Viz
Enhanced Vision Systems (EVIS) - Enhanced vision systems

Collins Aerospace, Avionics Division
Enhanced Vision Systems (EVIS) - Enhanced vision system; Multiscan weather radar

Telephonics Corporation
Reconnaissance Radar - APS-143DQV; 3 multi-mode radar

Indicators and Instruments
Aidy Displays, Inc
LCD Displays - Console displays

Collins Aerospace, Avionics Division
Head-Up Displays - Head-up guidance system
Radar/Altimeters - Radio altimeters
LCD Displays - Large format LCD displays

Collins Aerospace, Sensors & Integrated Systems
Fuel Quantity Indicators - Fuel quantity indicator
Angle of Attack Indicators - Angle of attack sensors

Honeywell Aerospace
Air Data Computers - HF-Voice/HF data link

QED/Inc.
Pressure Indicators - Miniature pressure gauges

Safran Aerosystmes / IDD Aerospace Corp.
Kilograms - Keyboards, illuminated cockpit panels, integrated switch panels

Navigation Aids (Airborne)
Collins Aerospace, Avionics Division
Multi-Mode Receivers (MMR) - GLU-925 multi-mode receiver with GPS-L1 capability
Distance Measuring Equipment Automatic Direction Finders - Automatic direction finder VOR (cm/ARC) Receivers - VOR receivers

Honeywell Aerospace
Multi-Mode Receivers (MMR) - IMR integrated Multi-Mode Receiver option

Honeywell Aerospace, Sensor & Guidance Products

Warning Systems
Collins Aerospace, Avionics Division
Collision Avoidance Systems (TCAS) - TCAS

Collins Aerospace, Electronic Systems
Collision Avoidance Systems/TCAS - TCAS/ACAS with Mode S transponders

Power Systems
Auxiliary Power
Collins Aerospace, Air Management Systems
Auxiliary Power Units - APS 2000/ T-AFCT-47C/1 APU

Hutchinson Aerospace
APU Components - APU mounts

Batteries & Accessories
Crate Aerospace & Electronics, Power Solutions
Battery Chargers/Analysers - Battery charger

Radiant Power Corporation
Nickel-Cadmium Batteries - Battery power supply for emergency exit lighting supply

Salt America Inc.
Nickel-Cadmium Batteries - 23180 series Ni-Cd batteries; 39CHV1 series ULM Ni-Cd batteries

Electrical Power Systems
Astronautics Advanced Electronic Systems (AES)
Airborne Electrical Power Supplies - EM Power UltraLite-in-seat passenger power system option

Collins Aerospace, Electric Systems
Power Distribution Equipment - Constant frequency generation system derivative

ECU
Power Distribution Equipment - Power controllers

Fokker Elmo
Electrical Wire & Cable - Electrical wiring; junction boxes
Engine Harnesses - Engine build-up unit electrical harnesses for LEAP engine (for Safran)

Judd Wire Inc
Electrical Wire & Cable - Wire & cable

Radiant Power Corporation
Airborne Electrical Power Supplies - Sentinel Recorder Independent Power Supply (RS-60) flight voice recorder emergency power system

Engine Components
Aerospace Industrial Development Corporation (AIDC)
Engine Housing - Engine case for CFM56

Albany Engineered Composites
Turbine Engine Blades - Fan blades; fan cases, spacers & platforms for LEAP-1B engine

Avio Aero
Engine Parts - Rotor blades & stator vanes; for CFM56 engine; third-stage rotor blades of low pressure turbine; core engine components for CFM56-7BE engine

Engine Parts - Low pressure turbine stator stages; disc & casing for LEAP-1B engine

BAE Systems Platform Solutions
Full Authority Digital Controls - FADEC for the LEAP-1B engine

Boeing Canada Winnipeg
Engine inlets - One-piece composite air intake for engine nacelle inlet

Cfevel S.A.
Piston Rings - Flash butt welded rings for CFM56 engine

Collins Aerospace, Engine Components
Turbine Engine Blades - Turbine airfoils

Ducommun Aircraft Systems
Engine Inlets - Engine inlet bulkheads

Eaton Ltd
Engine Health Monitoring - Engine sensors, fluid health monitoring products

Forged Solutions Group
Engine Parts - Closed die forged & seamless ring rotating components for LEAP-1B engine

GKN Aerospace
Nacelles - One-piece engine nacelle inlet lip skins

GKN Aerospace Engine Systems, Kongsberg
Turbine Engine Lines - For CFM56-7BE engine
Engine Parts - Low pressure turbine casings for CFM56-7BE engine

Hughes-Treblet Manufacturing Corporation
Engine Heat Exchangers - Hydraulic coolers

LORD Electromechanical Solutions
Autotrolithate Systems - Design and manufacture the Autotrolith Module (ATM)

Lytron, Inc.
Oil Coolers - Air/oil heat exchanger

Meggitt Control Systems
Engine Heat Exchangers - Fuel oil heat exchangers for LEAP engine

Meggitt Sensing Systems
Engine Health Monitoring - Engine sensor products for LEAP-1B engine through Saernacal

Parker Lord (was LORD Corporation)
Engine Mounts

Safran Aero Boosters
Compressors - Low pressure compressors for CFM56 engine

Oil Tanks - Oil tank, pump, filter & anti-ice valve

Safran Transmission Systems
Full Authority Digital Controls - FADEC for CFM56 engine

Spirit Aerosystems, Inc.
Nacelles - Nacelle/dive reverser
Nacelles - Engine nacelles
Engine Pylons - Pylons

Thrust Reversers

TAT Limco (was Limco-Airepair Inc.)
Oil Coolers - Fuel/oil heat exchangers

Unison Industries, LLC
Oil Coolers - Air cooled oil cooler for LEAP-1B engine (through Saernacal)

WGL Inc
Engine Parts - Engine & gearbox parts

Engines
CFM International Inc.
Turbofan Engines

GE Aircraft Engines
Turbofan Engines - F-108 engines (AEW&C and multi-mission maritime versions)

Pratt & Whitney Canada
Commercial Engines
Turbofan Engines - JT8D engine

Fuel Systems
Allen Aircraft Products Inc.
Fuel Pumps - Fuel system jet pumps and valves

Altof AeroArchitects
Fuel Tanks & Systems - Auxilary Fuel System

Applied Aerospace Structures Corp.
Fuel Tanks & Systems - Auxilary fuel tanks

AVP Group (was Redcliffe Precision)
Fuel Tanks & Systems - Fuel tank

Collins Aerospace, Engine Components
Injection Systems - Fuel injection systems

Crate Aerospace/Hydro-Aire Inc.
Fuel Pumps - Four boost & two override/jeettison fuel pumps

Eaton Fuel Systems Division
Fuel Pumps - Main engine fuel pumps

Marshall Aerospace
Fuel Tank Systems & Extensions - Extended range auxiliary fuel tanks

Meggitt Polymers & Composites HQ
Fuel Tanks & Systems - Fuel tanks

PTI Technologies Inc.
Fuel Filters - APU fuel filters

Safran Transmission Systems
Fuel Pumps - Hydromechanical system for CFM56 engine

Woodward Aerospace
Fuel Systems
Fuel Nozzles - Fuel nozzle

Power Transmission
Arrow Gear Company
Gears & Assemblies - Gears

Curtois-Wright Flight Systems
Gears & Assemblies - Trailing edge transmissions and trailing edge flap drive
Davall Gears Ltd
Gear Drives - Aircrew seat actuation

Héroux-Devtek Inc.
Torque Tube Drives - Torque tubes

Safran Transmission Systems
Mechanical Transmissions - Power transmissions for CFM56 engine
Gearboxes - Accessory gearboxes for CFM56 engine

Production
Handling Equipment
Ait Europe NV
Jacks - Air jacks for engine installation

Didsbury Engineering Co Ltd
Hoists - APU fishpole hoist

Morgan Aero Products
Hoists - Engine handling equipment; lever hoists

Nova-Tech Engineering
Lifting Equipment - Moving line tug

Nova-Tech Engineering, LLC
Load Positioning Systems - Wing flow line transportation AGV

Hot Forming
Pietro Rosa TBM Srl
Forging - Titanium forgings

Inspection Equipment
CTRL Systems, Inc.
Ultrasound Inspection Equipment - UT 101 ultrasound diagnostic tool

MTores Diseos Industriales S.A.
Precision Measurement Equipment - Wing skin measuring systems
Ultrasound Inspection Equipment - Ultrasound inspection systems

Machining
Bavius Technologie Inc.
Machining Systems - Structural parts machining

Electroimpact
Drilling Equipment - Automatic floor drilling equipment

MPC Industrial Products, Inc.
Grinding - High tolerances precision grinding sheet & plate

MTores Diseos Industriales S.A.
Milling - Milling systems with flexible tooling

Measurement
Kahn Industries Inc./Kahn & Co
Dynamometers - Hydraulic dynamometer for APU test

Metal Removing
Tech Met Inc.
Chemical Milling - Chemically-milled components

Production Equipment
Electroimpact
Plant Automation Equipment - Vertical panel assembly line machines (Renton plant)

Sheet Metal Processes
SACS Aerospace GmbH (was SACS Boysen Aerospace Group)

Surface Treatment
Curtiss-Wright Surface Technologies

Technical Consultants
QFP Srl
Engineering Management Services - Engineering consultancy services for deployable airstairs

Tooling
LMI Aerospace, Inc.
Tooling - Tooling for assembly line

MTores Diseos Industriales S.A.
Laser Tooling - Laser scrivers with flexible tooling

Nova-Tech Engineering
Tooling - Wing to body join alignment tooling; wing assembly tooling

Nova-Tech Engineering, LLC
Jigs & Fixtures - Wing to fuse join jigs

Tools
Le Creneau Industriel
Machine Tools

Lomas Engineering Limited
Cutting Tools

Testing
Test Equipment
Airmo Inc. Pressure Technologies
Hydraulic Test Equipment - Hydraulic testing tools

Spherea Test & Services
Test Equipment - Test systems

Testek Solutions - Independence (formerly Avtron and Testek)
Automated Test Equipment - UNiate automatic test equipment

Testek Solutions - Wixom (formerly Avtron and Testek)
Test Stands - Generator test stand (IDG)
Pneumatic Test Equipment - Pneumatic test stand
Fuel Test Equipment - Fuel test stand
Automated Test Equipment - Automatic test equipment test stand
Hydraulic Test Equipment - Hydraulic test stand

Test Services
Intespace
Vibration Testing - Certification Testing for Techspace Aero Leap-1B oil tank
Country index

**Australia**
- Absolute Data Group
- Boeing Aerostuctures Australia

**Austria**
- FACC AG

**Belgium**
- Asco Industries NV
- AVT Europe NV
- Safran Aero Boosters

**Canada**
- Avcorp Industries Inc.
- Boeing Canada
- Cimo Technologies
- Megellan Aerospace
- York Dynamics

**China**
- AHC SAC Commercial Aircraft Company Ltd
- AHC XAC Commercial Aircraft Co., Ltd.
- ATR 72-600 Structural Aerodynamics (was Xian Aircraft Industry)
- Boeing Tianjin Composites (BTC)
- Boeing Zhuzhan Completion and Delivery Centre
- Chengdu Aircraft (Group) Co. Ltd

**Denmark**
- Terma AS

**France**
- Ateliers De La Hie, Garonne
- Cefixa S.A
- Crouzet
- ECE
- Hexcel Composites
- Intelsec
- Latécoère
- Le Creuex Industriel
- LORD Electromechanical Solutions
- Mecachrome France
- NTN-SNR Roulements Argony
- Safran Landing Systems
- Safran Transmission Systems
- Siemens SAS Airborne Safety Systems
- Sphera Test & Services
- Thales Avionics S.A.

**Germany**
- Arconic Power and Propulsion (Arconic TITAL)
- Chemetall, part of BASF
- Collins Aerospace, Air Management (North-Micro)
- Collins Aerospace, Interiors, Lighting Systems
- Elektro-Metall Export GmbH
- Otto Fuchs KG
- Recaro Aircraft Seating
- SACS Aerospace GmbH (was SACS Boysen Aerospace Group)
- Safran Cabin - Herborn (was Zodiac Premium Galley)
- Saint-Gobain Performance Plastics MG Silicon
- Telair International
- Vincorion | Jenoptik Advanced Systems GmbH

**India**
- Hindustan Aeronautics Ltd (Aviation Division Bangalore)
- Kineco Kaman Composites - India Pvt Ltd.
- Wipro Infrastructure Engineering

**Israel**
- BAZ Airborne Components & Assemblies
- Elbit Systems Cyclone Ltd
- Karem Ltd

**Italy**
- Aifo Aero
- Pietro Rosa TBM Srl
- QFP Srl

**Japan**
- Kito Industries Ltd
- Mitsubishi Aircraft Corporation
- Nippon Precision Casting Corp.
- The Yokohama Rubber Co., Ltd.

**Malaysia**
- Composite Technology Research Malaysia (CTRM)

**Morocco**
- MATIS Aerospace

**Netherlands**
- Fokker Elmo
- Safran Cabin Catering (was Zodiac AirCatering Equipment)
- Toray Advanced Composites

**Norway**
- GKN Aerospace Engine Systems, Kongsberg

**South Africa**
- Aerosat Aviation Pty Ltd
- Cobham SATCOM

**South Korea**
- Korean Air Aerospace Division

**Spain**
- Airbus Defence & Space (Structures)
- MTorres Diseños Industriales S.A.

**Sweden**
- CIT Systems AB
- SKF Group

**Switzerland**
- Meggit Sensing Systems

**Taiwan**
- Aerospace Industrial Development Corporation

**Turkey**
- Kale Aero
- Turkish Aerospace Industries (TAA)

**U.K.**
- AD Aerospace Limited
- Advanced Manufacturing (Sheffield) Ltd.
- Attewell Ltd.
- AvPE Group (was Redcliffe Precision)
- Collins Aerospace, Mechanical Systems - Actuation
- Davall Gears Ltd
- Dicksbury Engineering Co Ltd
- Dunlop Aircraft Tyres Ltd.
- Eaton Ltd
- Forged Solutions Group
- GKN Aerospace
- Hamble Aeronautics (Aernnova Group) (was GE Aviation)
- HR Smith (Technical Developments) Ltd
- Ipeco Holdings Ltd.
- Lomas Engineering Limited
- Marshall Aerospace
- Meggit Control Systems
- Moog Flight Controls
- Nova-Tech Engineering
- STG Aerospace
- Techtest Limited

**U.S.A.**
- Morgan Aero Products

**U.S.A.**
- 3M Aerospace Sealants
- ACS, an L3Harris and Thales Company
- Adient Aerospace - Ovation (was LIFT by EnCore)
- Aero Fluid Products (was Dukes Aerospace)
- Aerojet, Inc.
- Aerospace Control Products, Inc
- Aerospace Dynamics International
- Armo Inc. Pressure Technologies
- Alarion Aircraft Hinge, Inc.
- Albany Engineered Composites
- Aloca Corporation
- Allen Aircraft Products Inc.
- Aoki Aerocrafts
- Applied Aerospace Structures Corp.
- AvAir Industries Inc.
- ArMEI Electronics, Inc.
- Arrow Gear Company
- Atrionics Advanced Electronic Systems (AES)
- Astronaut Luminous Systems Inc
- Astronautics Max-Viz
- Astronautics PCO Inc
- Astronics
- Aurora Optics, Inc.
- Avtek Mfg, Inc.
- Avtek Aerospace (Tyee Aircraft and Avtek Corp)
- Avtek Displays, Inc.
- BAE Systems Platform Solutions
- Bandy Manufacturing
- Barnes Aerospace
- BaseWest
- Baykus Technologie Inc.
- Beveler Aerospace & Defense, Inc.
- Bell-Memphis, Inc.
- Berry Global, Inc. (Berry Plastics, Tapes & Coating Div)
- Boeing Business Jets
- Boeing Commercial Airplanes
- Boeing Defense, Space & Security
- Blikman Company Inc.
- Cablecraft Motion Controls
- California Drop Forge, Inc.
- Canton Drop Forge
- Carlton Technologies Inc.
- Carpenter Technology - Latrobe Operations
- CFM International Inc.
- Chemical Cloth Company
- Co-Operative Industries Aerospace & Defence
- Cole Instrument Corporation
- Collins Aerospace, Air Management Systems
- Collins Aerospace, Avionics Division
- Collins Aerospace, Electric Systems
- Collins Aerospace, Engine Components
- Collins Aerospace, Engine Components
- Collins Aerospace, Interior Lighting
- Collins Aerospace, Interiors
- Collins Aerospace, Interiors Division
- Collins Aerospace, Landing Gear
- Collins Aerospace, Sensors & Integrated Systems
- Collins Aerospace, Wheels and Brakes
- Cox & Company, Inc.
- Crane Aerospace & Electronics
- Crane Aerospace & Electronics, Power Solutions
- Crane Aerospace/Hi-Air Inc.
- CTRL Systems, Inc.
- Curtiss-Wright Flight Systems
- Curtiss-Wright Surface Technologies HQ
Custom Control Sensors, LLC
Donaldson Co. Inc. Aerospace & Defense
Ducmmun Aerostuctures
Ducmmun Lallage Technologies
Dunmore Corp.
DuPont Aerospace (DuPont Company)
Eaton Aerospace, Actuation Systems Division
Eaton Aerospace, Fuel & Motion Control Division
Eaton Fuel Systems Division
Electro-Mech Components
ElectroCube, Inc.
Electromax
Electromech Technologies
Elwood Texas Forge Navasota (ETFN)
Encore Interiors (was EnCore Aerospace LLC)
Esterline Control & Communication Systems (Korry)
Flexfab Div.
Flexal Corporation
FTG Aerospace Inc.
GE Aircraft Engines
GE Aviation (Mechanical Systems LA)
GE Aviation Systems
GNK Aerospace - Sheets Manufacturing GNK Aerospace Transparency Systems
Goodyear Tire & Rubber Company Groov-Pin Corp.
Harris Antenna Products (EDO Corp)
Harris Corporation LF
Harris Corporation VA
Hartwell Corp.
HBD/Thermoid Inc. - a subsidiary of HBD Industries, Inc.
Herley Industries Inc.
Hexcel Structures
HiRel Connectors, Inc.
Ho-Ho-Kus, Inc.
Honeywell Aerospace
Honeywell Aerospace, Aircraft Landing Systems
Honeywell Aerospace, Electronic Systems
Honeywell Aerospace, Lighting & Electronics
Honeywell Aerospace, Sensor & Guidance Products
Howmet Aerospace (was Arcorinc Inc.) Howmet Fastening Systems (Arcorinc) Hughes-Tretiler Manufacturing Corporation Hutchinson Aerospace John’s Manville, Inc.
Judd Wire Inc.
Kahn Industries Inc./Kahn & Co
Kaman Aerospace Aerostuctures
Kamanics Corporation
Kollmorgen Aerospace & Defense
Lamant Corporation
Lamso West, Inc.
Leffki Manufacturing Co.
LM Aerospace, Inc.
Loos & Co. Inc.
Lytron, Inc.
Magnolia Advanced Materials, Inc.
Meggitt – MUSA/PLC
Meggitt Control Systems
Meggitt Polymers & Composites (USA)
Meggitt Polymers & Composites HQ
MPC Industrial Products, Inc.
National Utilities Co./NUCO
NORDAM Interiors & Structures Division
Nova-Tech Engineering, LLC
Oreube Corporation
Panasonic Avionics Corporation
Parker Lord (was LORD Corporation)
PDS Engineering
Permacel
Peco Aerospace - Yakima
PPG Transparencies
Pratt & Whitney Large Commercial Engines Precision Coil Spring Co.
Precision Components, Inc.
PTI Technologies Inc.
QED Inc.
Quantum Composites, Inc.
Radiant Power Corporation
Radius Aerospace - Hot Springs (was Triumph Aerospace Structures - Fabrications)
Raytheon Intelligence & Space (RTS) (was Raytheon, Space and Airborne Systems)
Renord Industries, LLC
Rockwell Collins - ICG
RWM Casters Co.
Safran Aerosystems - Oxygen Systems
Safran Aerosystems - Wall Township (Air Cruisers)
Safran Aerosystems (Monogram)
Safran Aerosystems / IDD Aerospace Corp.
Safran Cabin - Bellingham (was Zodiac Airline Cabin Interiors)
Safran Cabin (was Zodiac Cabin Interiors)
Saff American Inc.
Solvay
Southwest United Industries, Inc.
Spectra Interior Products, Inc.
Spirit Aerosystems, Inc.
TAT Limco (was Limco-Airepair Inc.)
TDG Aerospace Inc.
TE Connectivity (Measurement Specialties)
Tech Met Inc.
Teleflex Controls
Telephonics Corporation
Testek Solutions - Independence (formerly Astron and Testek)
Testek Solutions - Watson (formerly Astron and Testek)
TIMET Titanium Metals Corporation
Triumph Aerospace Structures - Hawthorne
Triumph Aerospace Structures - Interiors - Spokane
Triumph Aerospace Structures - Technology & Engineering Center - Arlington
Triumph Integrated Systems – Fluid Power & Actuation - Valencia
Triumph Structures - Everett
Tuffner Manufacturing
Unison Industries, LLC
Voss Industries Inc.
WGI, Inc.
Whippany Actuation Systems
Woodward Aircraft Turbine Systems
Woodward HRT
Yokohama Aerospace America, Inc.
SUBSCRIBING

This Airframer Index is one of a series of documents derived from the online database at www.airframer.com. It is updated every day.

An expanding series of these index reports about key aircraft programs and about specific aerospace supply chain sectors are available.

Subscribers can access all of the reports, while all visitors can download the reports which have been sponsored.

An individual subscription can be ordered by credit card from www.airframer.com/subscribe_front.html. A company subscription provides access for a number of concurrent users within a specified internet IP address range. More details are available by contacting Stephen Campbell on +44 (0)1279 714512 or stephen@airframer.com.

UPDATING

To advise us of additions, updates or corrections to the data included in this Index, please contact our research team on +44 (0)1279 714517 or research@airframer.com.

ADVERTISING

For full details, follow the advertising link at www.airframer.com

Sponsor (annual booking)

PDF:
- Your name on the front cover of the sponsored Index
- Full-page advertisement on page two
- Your details highlighted wherever they appear throughout the whole Index series

Web:
- Banner on the sponsored Index page
- Logo, banner, photograph and text on your page
- Your company highlighted on relevant search results

Enhanced entry (annual booking)

PDF:
- Your details highlighted wherever they appear throughout the whole Index series

Web:
- Logo, banner, photograph and text on your page
- Your company highlighted on relevant search results

To discuss advertising, please contact Bradley Wright on +44 (0)1279 714521 or brad@airframer.com.

Published by Stansted News Limited, 134 South Street, Bishop’s Stortford, Hertfordshire CM23 3BQ, United Kingdom

Company registered in England number 2224522.

Terms and conditions of use

The Airframer Index (”this Document”) is a publication developed by Stansted News Limited (”SNL”). By downloading and reading the document you are deemed to have accepted these terms and conditions.

USE OF CONTENT: The services and information provided in this Document are for your personal, non-commercial use only.

ACCURACY OF INFORMATION: Neither SNL nor any of its data providers or affiliates make any warranties expressed or implied, as to the accuracy, adequacy, quality or fitness for any particular purpose of the information or the services for a particular purpose or use and all such warranties are expressly excluded to the fullest extent that such warranties may be excluded by law.

INDEMNITY: You irrevocably indemnify SNL and its data providers and affiliates from and against any and all losses, damages and costs suffered or incurred by SNL or any data providers or affiliates of whatsoever nature arising out of or in connection with your use, provision or distribution of information of any part of this Document or any part or otherwise howsoever arising in relation to any breach of these terms and conditions by you.

HYPERTEXT LINKS: This Document provides hypertext links to sites on the Internet which are operated by other people. SNL takes no responsibility for and gives no warranties, guarantees or representations in respect of linked sites.

INTELLECTUAL PROPERTY: All intellectual property rights (including copyright, patents, trade marks) whether registered or not in this Document shall remain the property of SNL and no customer or other person shall, or shall attempt to obtain any title to such rights. Information appearing in this Document is the copyright of SNL and must not be reproduced in any medium without licence. Users are permitted to copy some material for their personal use as private individuals only. Users must not republish any part of the data either on a website, or in any other medium, print, electronic or otherwise, or as part of any commercial service without the prior written permission of SNL.

ADVERTISING AND SPONSORSHIP: Parts of this Document contain advertising and sponsorship. Advertisers and sponsors are responsible for ensuring that material submitted for inclusion in this Document complies with all legal and regulatory requirements and does not contain any material which is objectionable including, without limit, information which is defamatory, obscene, threatening or untrue. SNL will not be responsible for any such material or any error or inaccuracy in advertising material.

LIABILITY: Due to the number of sources from which this Document obtains content and the nature of electronic distribution via the world wide web neither SNL nor any of its data providers nor affiliates shall have any liability (whether in contract or tort) for any losses, costs or damages resulting from or related to use of or inability to use any information contained in this Document or the provision of this Document to the fullest extent to which such liability may be excluded or avoided by law and in no event shall SNL be liable to you for lost profits or for indirect, incidental, special, punitive or consequential damages arising out of or in relation to the provision of information on this Document. SNL makes no warranty that this Document is free from infection by viruses or anything else that has contaminating or destructive properties.

JURISDICTION: These terms and conditions will be governed by the laws of England and Wales and the parties agree to submit to the exclusive jurisdiction of the English Courts.