



**Connecting
A Better World.**

At Topcast, we pride ourselves as one-stop-shop for spare parts, components, raw materials and consumables sourcing service provider with our extensive network of business partners, global sourcing team and decades of experience servicing a vast and diverse customer base. We are a global connector, ultimately, we connect the world.

SAVE 50% or More with Topcast Program!

Electric Motors & Transducers

Over 70 Years of Quality Workmanship and Excellence in Design

Skurka Aerospace Inc. is a leading designer & manufacturer of highly custom electromechanical components with full system integration capability Serving the Aerospace industry with custom engineered solutions including **Electric Motors, Speed Pickup Transducers, Starter Generators, Power Distribution Units and Controllers.**

Qualifications

Engineering

- In-house Capabilities for Thermal, Altitude & HASS /HALT Testing, Modeling, Stress, and Flow Predictions
- High Power Density Packaging
- DO-160 & MIL-STD-810 Compliance

Quality

- ISO 9001 / AS9100 Registered
- In-house Designated Manufacturing Inspection Representative (DMIR)
- FAR Part 21 Supplier-FAA Flight Standards & MIDO Offices Audited & Approved Quality System

Production

- Designated Onsite Manufacturing Groups
- 3D Printing Capabilities for Rapid Tool and Fixture Manufacturing
- Machining, Painting, Grinding, Vacuum Encapsulation and Welding for Military & Commercial Flightworthy Products

Repair

- FAA Repair Station #S7GR035N
- Depot Repair Facility for Military Customers
- 100% Genuine OEM Spare Parts with Factory Warranty
- Fleet Repair Contract Option including Rotable Pool and Exchange Program



Specification

Electric Motor / Transducer



AC Induction Motors



DC Brush Motors



Frameless Motors

Types	<ul style="list-style-type: none"> • Solid Bar Rotor Design • Thermal Protection for Over Temperature Condition 	<ul style="list-style-type: none"> • Robust Long-Life Brushes • Thermal Protection for Over Temperature Conditions 	<ul style="list-style-type: none"> • Magnetic Rotor Designs for High Speed Applications • Thermal Protection for Over Temperature Conditions • Motor and Controller Packages Available
Features	<ul style="list-style-type: none"> • Voltage: 5 to 480 • Phase: 1, 2 & 3 • Frequency (Hz): 25 to 1,000 	<ul style="list-style-type: none"> • Voltage (DC): 5 to 180 	<ul style="list-style-type: none"> • Voltage (AC or DC): 5 to 600
Inputs	<ul style="list-style-type: none"> • Power (HP): Fractional to 40 • Speed (RPM): Up to 24,000 	<ul style="list-style-type: none"> • Power (HP): Fractional to 30 • Speed (RPM): Up to 18,000 • Continuous & Intermittent Duty 	<ul style="list-style-type: none"> • Power (HP): Fractional to 50 • Speed (RPM): Up to 24,000 • Continuous & Intermittent Duty
Outputs	<ul style="list-style-type: none"> • Outside Diameter (in): 1 to 12 	<ul style="list-style-type: none"> • Outside Diameter (in): 1 to 8 	<ul style="list-style-type: none"> • Outside Diameter (in): 1 to 8
Sizes	<ul style="list-style-type: none"> • Fan Cooled • Explosion Proof • Motors with Gear Heads & Braking Systems • Inverter Driven • Two Speed "Single & Multiple Winding" • Position Sensor (Resolver) 	<ul style="list-style-type: none"> • Totally Enclosed • Fan Cooled • Motors with Gear Heads & Braking Systems • Wound Field (Shunt, Series or Compound) & Permanent Magnet Designs • Explosion Proof 	<ul style="list-style-type: none"> • AC Induction • DC Brushless
Applications	<ul style="list-style-type: none"> • Actuators • Winches • Pumps (Wet or Dry) • Door Locks • Cargo Loading • Environmental Cooling 	<ul style="list-style-type: none"> • Actuators • Engine APU Starters • Hydraulic Pumps 	<ul style="list-style-type: none"> • Fuel Pumps • Hydraulic Pumps • Environmental Cooling

Electric Motor / Transducer Offerings



Brushless Electric Motors




Transducer

Types	<ul style="list-style-type: none"> • Fan Cooled • Explosion Proof • Motors with Gear Heads & Braking Systems • Inverter Driven 	<ul style="list-style-type: none"> • Variable Reluctance
Features	<ul style="list-style-type: none"> • Magnetic Rotor Designs • High Speed Applications, Thermal Protection for Over Temperature Conditions • Air-Cooled Housing for Optimal Heat Dissipation 	<ul style="list-style-type: none"> • Hermetically Sealed • No Moving Parts • No External Power Required • High Temperature • High Reliability Connectors
Inputs	<ul style="list-style-type: none"> • Voltage: 5 to 480 • Pole: 2 to 8 	<ul style="list-style-type: none"> • Rotating Rear or Interrupted Wheel • Air Gaps (in): 0.005 to 0.050
Outputs	<ul style="list-style-type: none"> • Power (HP): 1 to 30 • Speed (RPM): Up to 24,000 • Continuous & Intermittent Duty 	<ul style="list-style-type: none"> • Sinusoidal Wave or Pulse • 0.5 VP-P to 10 VP-P • Frequency Increases with Speed
Sizes	<ul style="list-style-type: none"> • Outside Diameter (in): 1 to 12 	<ul style="list-style-type: none"> • Custom per Application
Applications	<ul style="list-style-type: none"> • Pumps • Compressor • Fan System • Engine Starters 	<ul style="list-style-type: none"> • Aircraft Turbine Engine Speed • Aircraft APU Speed

Headquarters

Hong Kong

 +852 2305 4111  +852 2305 4388 inquiries@topcast.com 26/F Metropole Square,
2 On Yiu Street, Shatin, Hong Kong

Website



LinkedIn



Our Presence

Asia

India Korea Thailand
Indonesia Philippines Malaysia
Japan Singapore

Greater China

Beijing Shanghai
Chengdu Shenzhen
Guangzhou Taipei

America

United States Colombia
Brazil
El Salvador

Oceania

Australia

EMEA

United Kingdom United Arab Emirates



AOG SUPPORT

We are committed to providing our support to you at any location worldwide, with a team of highly skilled, trained, and experienced aircraft maintenance licensed engineers as soon as possible.

 inquiries@topcast.com

**At your service.
Anytime, Anywhere.**