VPG onboard weighing

VPG Aircraft Weighing Solutions

- **JetWeigh** by VPG
- **Road Runner** by VPG





Weigh Aircraft with Greater Control and Confidence

Accurate weight and center-of-gravity (COG) data are fundamental to aircraft safety and airworthiness. Throughout an aircraft's service life, reweighing is required after certain repairs, modifications, or equipment changes and at intervals specified by operators or regulators. Performing that weighing efficiently helps minimize ground time and keep maintenance and return-to-service processes moving.

Ready access to an aircraft weighing system reduces the risk of scheduling delays. With a reliable and accurate weighing system onsite, manufacturers, MROs and aircraft operators don't have to depend on outside contractors. They can weigh aircraft when needed, on their own schedule.

Precision Aircraft Weighing Systems for Faster Recertification Workflows

For more than 60 years, VPG has developed and supported aircraft weighing systems for a wide range of airplanes and helicopters.

Today, JetWeigh by VPG and Road Runner by VPG are field-proven systems that make aircraft weighing easier to schedule and perform, enabling accurate weight and balance determination, efficient recertification, and faster return to service.



Get Back in the Air Faster

Keep weighing under your control to help streamline maintenance and recertification.

- Weigh as soon as the aircraft is ready, without waiting for contractor availability
- Complete required weighing promptly after maintenance and for scheduled recertification
- Save time and effort with automated COG calculation using JetWeigh by VPG



Get Accurate Weight and Balance Data with Ease

Choose from a portfolio of high-accuracy weighing systems for varied aircraft and workflows.

- Kits for aircraft ranging from 7,500 to 600,000 lbs
- Choice of jack point and platform wheel weigher systems
- Simple setup and operation with user-friendly interfaces



Weigh with Confidence

Depend on systems engineered for long service life.

- Hundreds of systems in use worldwide
- Systems from the 1980s are still in use
- Built around high-precision load cells from Vishay Precision Group (VPG)



Road Runner by VPG

with EW9150 Digital Weighing Indicator

Essential Aircraft Weighing for Efficient Weight and Balance Workflows

Road Runner by VPG combines high-precision load cells with the easy-to-use EW9150 digital weighing indicator for accurate aircraft weight measurement. Available as a jack point or platform wheel weigher system, Road Runner provides individual weight readings and total aircraft weight for use in weight and balance calculations. Color-coded cables and indicator connectors help ensure correct setup in just minutes.

EW9150 Indicator

- 1 to 5 weighing channels
- Color graphic TFT display with LED backlight
- RS-232 connection for PC data storage or printing
- Operates on 90–240 VAC, 50/60 Hz

Jack Point Aircraft Weighing System

The Road Runner by VPG Jack Point Weighing System uses precision load cells that fit on top of existing aircraft jacks, providing accurate weight measurements in a portable system.

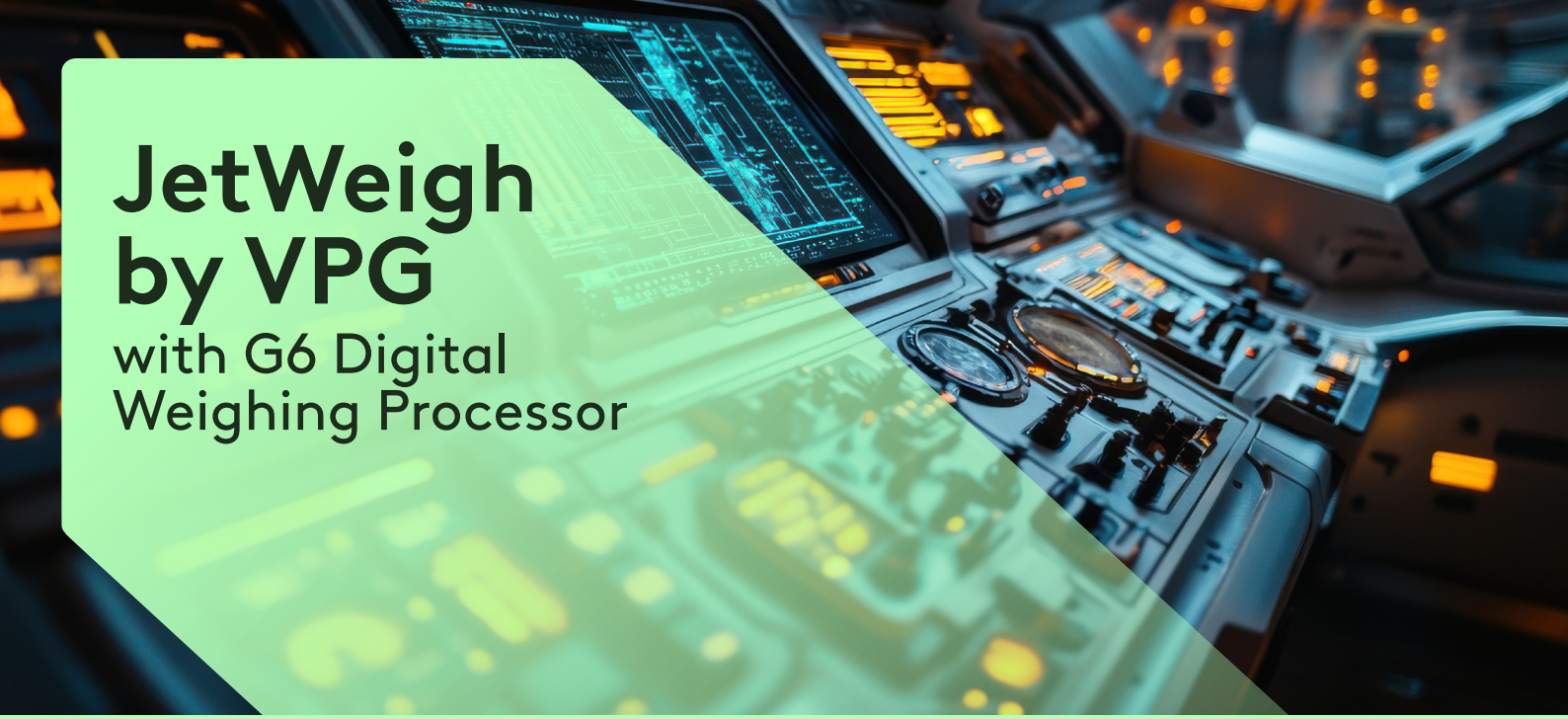
- Capacity: 10,500 to 400,000 lbs
- Accuracy: ±0.1% of applied load or ±0.02% of channel capacity, whichever is greater
- Stainless-steel, hermetically sealed load cells — cannister or S-type
- Operating temperature: +14°F to +120°F (–10°C to 50°C)
- Roller case for convenient storage and transportation

Platform Wheel Weigher System

The Road Runner by VPG Wheel Weigher System provides fast, accurate weight readings for a range of light to medium aircraft, without lifting the aircraft. Cast-aluminum platforms with non-slip surfaces, interlocking ramps, and wheel chocks make aircraft positioning and weighing straightforward.

- Capacity: 7,500 to 75,000 lbs
- Accuracy: ±0.1% of applied load or ±0.02% of channel capacity, whichever is greater
- Choice of three- or four-platform configurations
- Stainless-steel, hermetically sealed shear beam load cells
- Portable design for easy transportation
- Operating temperature: +14°F to +120°F (–10°C to 50°C)





JetWeigh by VPG

with G6 Digital Weighing Processor

Advanced Aircraft Weighing with Automated COG Calculation

JetWeigh by VPG combines high-accuracy, hermetically sealed load cells with the G6 digital weighing processor to provide accurate aircraft weight measurements and automatically calculate center of gravity. Built-in aircraft data and weighing history help streamline weight and balance workflows and support data validation.

The system includes 3 to 5 load cells, a thermal printer, and an accessory kit with tools for aircraft weighing and leveling.

Key Features and Capabilities

- Capacity: 15,000 to 600,000 lbs
- Accuracy: ±0.1% of applied load or ±0.02% of channel capacity, whichever is greater
- Automated COG calculation
- Synchronized sampling of all weight channels minimizes the effects of vibration, oscillation, and wind
- G-factor compensation between calibration and operating locations
- Library of up to 200 aircraft types and characteristics
- Aircraft weight history for future comparison and data validation
- User-friendly color touchscreen display
- Hermetically sealed, compact, stainless-steel load cells



G6 Digital Weighing Processor

- 5.7-inch color backlit touchscreen with integrated keypad
- Multi-channel, high-speed signal processing
- Advanced digital filtering
- Ethernet and RS-485 communication interfaces
- Robust aluminum housing



Comprehensive Service
and Specialized Aircraft Tools

Expert Calibration and Repair Service

Keep your Road Runner and JetWeigh systems accurate and ready for use with efficient, expert calibration and repair services direct from VPG.

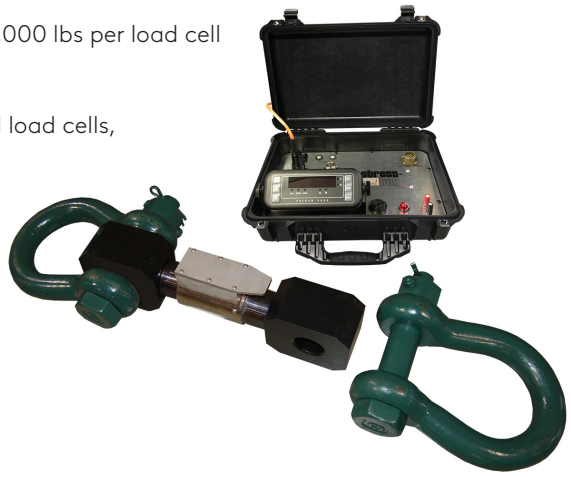
- Calibration and repair at VPG Aircraft Weighing System Service Centers in Kent, WA, and Karlskoga, Sweden
- NIST-traceable calibration in Kent and calibration according to ISO 376 in Karlskoga
- Fast Track calibration and repair, backed by spare parts availability, to support AOG and other quick-turnaround situations
- Support for all generations of JetWeigh and Road Runner systems

Specialized Aircraft Tools

VPG also provides specialized tools to support aircraft weighing and handling requirements.

- Jack adapters and cables help ensure weighing system compatibility with existing jacking equipment
- Load adjusters help level aircraft for accurate weighing

- **Aircraft Recovery Tow Kits** help protect aircraft landing gear while moving aircraft off-runway, reducing downtime
  - Load-sensing kits measure force during towing
  - Available capacities: 50,000, 75,000, 100,000 and 150,000 lbs per load cell
  - Audible and visual overload alarms
  - Complete portable kit in a carrying case: dual-channel load cells, shackle hardware, and V300 Series meter



About VPG Onboard Weighing

The Home of VPG Aircraft Weighing Solutions

VPG Onboard Weighing is part of Vishay Precision Group (VPG), a global leader in precision measurement sensing technologies. As a pioneer and leader in solutions for aircraft weighing and onboard vehicle weighing, we help ensure that people and goods are transported safely on land and in the air. Our solutions provide manufacturers, maintenance teams, and operators with precise, timely data on the weight and balance of their aircraft and commercial vehicles.

With more than six decades of experience designing and building high-performance aircraft weighing systems and providing repair and calibration services, we combine deep application expertise with ongoing product development and long-term, worldwide customer support.



We have offices in **North America, Europe, and Asia**



50,000+ customers worldwide use our solutions



Our solutions are used in **30+ countries**



Established in 1985

VPG onboard weighing

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