When Pratt & Whitney selected Bloomy to develop the next generation of engine software loader for their revolutionary GTF engine, they chose us for our history of innovation, user-centric solutions, and industry expertise. The result of the collaboration between the two companies, the Bloomy CESL2G, addressed lessons learned and feedback from operators of previous loaders. With such innovations as Automatic FADEC Generation Detection, Ethernet Tethering, and Cable Self-Test, the Bloomy CESL2G is equipped to make GTF engine software loading and data retrieval a smooth, reliable process. And our modular design and unique field-replaceable tablets mean that in the unlikely event your CESL2G should require repair, we can offer standard one-week turnaround with optional advance replacement if needed.

When you choose the Bloomy CESL2G, you're investing not only in the software loader that you need, but also in the peace of mind that you want.

Order Pratt & Whitney Tool Number PWA212040 today!

Features and Capabilities

Supports all GTF models automatically • Programs both EEC and PHMU • Reads and updates DSU thrust ratings • Updates N1 modifier for fan blade replacement • Updates DSU on EEC or installed on CESL2G • Functions with engine on-wing and off-wing • Downloads engine fault data for enhanced maintenance support • Performs self-test of CESL2G cables • Implements cybersecurity standards to prevent unauthorized software use • Operates with latest engine logic encryption • Works with standard USB drives for data offloads • Powered by AC grid power, eliminating battery maintenance

Warranty

The Bloomy CESL2G is warranted against workmanship and material defects for a period of one year.

Engine Models Supported	
PW1100, PW1200, PW1400, PW1500, PW1700, PW1900	
Unit Dimensions	
Width	21" (54cm)
Depth	16" (41cm)
Height (closed)	11" (27cm)
Weight	61 lbs (28kg)
Engine Cable Length	20' (6m)
Environment	
Operating Temperature (min.)	32°F (0°C)
Operating Temperature (max.)	113°F (45°C)
Storage Temperature (min.)	32°F (0°C)
Storage Temperature (max.)	140°F (60°C)
Operating Altitude (max.)	10,000'
Transit Drop Height	36" (92cm)
Electrical	
Input Voltage	100-240VAC/50-60Hz
Operating Power	<150W
Supplied with NEMA 5-15P (US) and CEE 7/7 (EU) cordsets	

Tested to comply with:
MIL-T-28800E Class 2 Sinusoidal Vibration
MIL-T-28800E Functional Shock
MIL-T-28800E Transit Drop
EN 61000-3-2 Limits for Harmonic Current Emissions
EN 61000-3-3 Limitation of Voltage Changes, Voltage Fluctuations, and Flicker in Public Low-Voltage Supply Systems
EN 61000-4-2 Electrostatic Discharge (ESD)
EN 61000-4-3 Radiated Electromagnetic Fields
EN 61000-4-4 Electrical Fast Transient/Burst (EFT)
EN 61000-4-5 Surge Immunity Requirements
EN 61000-4-6 Conducted Immunity Requirements
EN 61000-4-11 Voltage Dips, Short Interruptions, and Voltage Variations
EN 61326-1:2013 Electrical Equipment for Measurement, Control, and Laboratory Use
Certificates of conformity, test results and EU/CE declaration of conformity available upon request.

Reliable.
Rugged.
Compliant.

The Bloomy CESL2G:
Your Best Choice for
GTF™ Engine Family Support.

Setting new standards for support equipment for over 30 years.

1992 | **30** | 2022
YEARS

Reliable

Plug it in.
Load the software. Get the data.
Put the engine back into service.
Every time.

When you have an AOG, the last thing you want to worry about is your support equipment's reliability. With Bloomy's CESL2G, reliability is designed in. From its built-in cable self-test to the Automatic FADEC Generation Detection, every feature has been chosen to enhance its reliability so that "it just works."

And Bloomy's exclusive Ethernet Tethering uses only one Ethernet cable between the tablet and the loader, eliminating multiple points of potential failure, speeding up the loading process, and allowing the tablet to be field swapped from one Bloomy CESL2G to another—or with a factory-fresh replacement—without reconfiguration!

Rugged

Aluminum sub-frame.
Tough tablet.
Heavy-duty case.
And checkable, too.

Whether you're checking it as luggage or shipping it via freight, you need to know that your software loader is going to arrive unbroken and ready to go. So we designed the Bloomy CESL2G to withstand the ramp's "best" handling, and then we put it through stringent military-standard drop, shock, and vibe tests. And if that weren't enough, we then dropped it from 36"—twice what the military requires! (It survived just fine.)

Heavy-duty components, from case to tablet, and our expert design means your Bloomy CESL2G will arrive ready for duty—even if it did get dropped off a baggage cart!
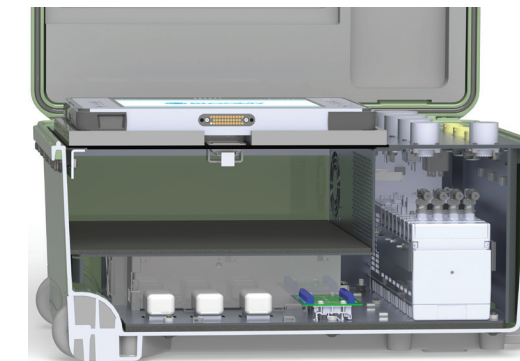
Compliant

Safety isn't optional.

You already work in a dangerous environment, so we've designed the Bloomy CESL2G with your safety in mind. As a result of these painstaking efforts, the Bloomy CESL2G is proud to wear both the CE Mark and TÜV Logo signifying that it has passed over 800 independently-conducted safety inspections, measurements, and tests.

We know you value your customers' safety. At Bloomy, we do, too.

Respected

" We are delighted by our choice of the Bloomy CESL2G. It is the most reliable and easy-to-use engine software loader we've ever used. "

European Airline Customer and Bloomy CESL2G User

We're proud of the work we did to make the Bloomy CESL2G the best choice for the GTF fleet. But saying we're the best and actually delighting customers are two different things. That's why we're especially proud of the accolades that the Bloomy CESL2G has received from its users.

Join those who have experienced the Bloomy CESL2G advantage. Order yours today!

Contact P&W Tool Support Services in the US at (800)792-8665 or pwtools@prattwhitney.com.