

## CC120

Field deployable GO/NO-GO decision support.  
Quick, reliable and conclusive engine, transmission,  
and gearbox health information at the flight line.

## Application

ChipCHECK CC120 is a field deployable maintenance support tool which employs innovative alloy identification spectroscopy technology to analyze chip detector debris. CC120 provides the aircraft maintainer with equipment health status at the flight line.

ChipCHECK uses digital image capture in combination with a Laser Induced Breakdown Spectroscopy (LIBS) system to automatically analyze wear debris. This analysis determines the alloy type and size for each individual particle in your sample. Simplicity, reliability, portability, and powerful analysis capabilities combine to make ChipCHECK the ideal choice to meet today's ever expanding mission critical flight line maintenance demands.

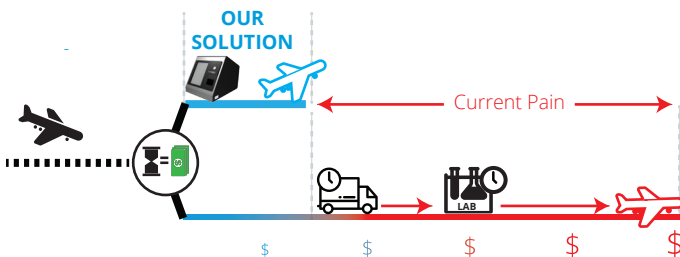


### FEATURES

- Rapid analysis time - immediate results
- Average analysis time: < 2 minutes
- Provides individual debris particle identification, sizing and metallurgical analysis
- Substantiates chip detector alerts and reduces unnecessary component removals
- Field deployable unit - replaces subjective assessment of chip collector debris
- Empowers/enables line maintenance users with reliable at-line field deployable decision support

### BENEFITS

- ✓ Improve equipment readiness and maximize dispatch availability
- ✓ Reduce AOG, aircraft downtime, and equipment downtime
- ✓ Rapid on-site assessment of engine and gearbox condition
- ✓ Go/No-Go decision support
- ✓ Reliable identification of component damage
- ✓ Minimize no evidence of failure (NEOF) removals/overhauls
- ✓ Improve safety



### LONG LIVE EQUIPMENT



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**CC120****PERFORMANCE**

Particle Analysis.....quantity, size, alloy  
 Minimum Detectable Particle Size..... $\geq 80\mu\text{m}$   
 Sample Patch Size.....1.5in x 1.25in with 0.5in x 0.5in clear window

**ENVIRONMENT**

Ambient Operating Temperature.....15°C to 30°C  
 Operational Humidity.....80% non-condensing  
 Vibration.....Shock & vibration isolated

**INPUT**

Power Supply.....100-240VAC, 50-60Hz, 3A Max

**PHYSICAL**

Weight.....40 lbs  
 Dimensions.....Length 18.5" x Width 14" x Height 14"

**USER INTERFACE**

Display.....10.1" Integrated screen  
 Data Entry.....Touchscreen or optional external keyboard  
 Data Storage.....Local to unit  
 Data Transfer.....USB, CSV database export

**COMPLIANCE**

- CE
- CSA Special Inspection (CAN & US)
- EN/IEC 60825-1 2007
- Complies with US FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007
- Class 1 Laser Product
- Ingress Protection IP41
- FCC Part 15

**INCLUDED ACCESSORIES**

1. 200 Sample Patches
2. Sample Patch Cases
3. Standardization Patch
4. Calibration Patch
5. Sample Tray
6. USB to Ethernet Adapter
7. User Information Manual
8. Transport Case

**OPTIONAL ACCESSORIES**

1. Patch Preparation Kit
2. Keyboard & Mouse
3. Additional Sample Patches

**ChipCHECK**  
 ONLY BY GASTOPS

**ORDER NOW**

**ChipCHECK 120**

Order: System-CC120

North America: 1 800 363 8658

Worldwide: +1 613 744 3530

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