

AVIATION

PORTABLE DEBRIS ANALYZER

ChipCHECK
ONLY BY GASTOPS

gastops
LONG LIVE EQUIPMENT

Pays to know Costs to wait

Make faster decisions with

ChipCHECK
ONLY BY GASTOPS

ChipCHECK is a field deployable maintenance support tool which employs innovative alloy identification spectroscopy technology to analyze chip detector debris.

ChipCHECK uses digital image capture in combination with Laser Induced Breakdown Spectroscopy (LIBS) to automatically analyze chip detector particles. This analysis determines particle quantity, as well as size, composition, and alloy type of individual particles in the sample.

FEATURES

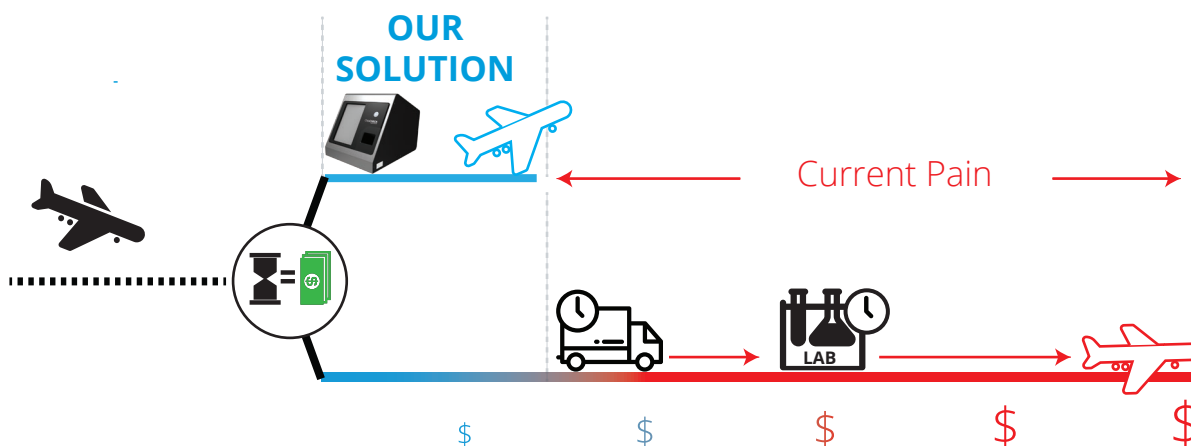
- Individual debris particle identification, sizing, and alloy classification
- Substantiates chip detector alerts and reduces unnecessary component removals
- Replaces subjective assessment of chip collector debris or the need to send chips to the lab
- Empowers line maintainers with reliable at-line field deployable decision support
- Rapid analysis time - immediate results

BENEFITS

- ✓ Drastically reduce turnaround time on results
- ✓ Rapid on-site assessment of engine and gearbox condition
- ✓ Go/No-Go decision support
- ✓ Reliable identification of component damage
- ✓ Improve aircraft readiness and maximize dispatch availability



LAB QUALITY RESULTS AT THE FLIGHTLINE WITHIN MINUTES



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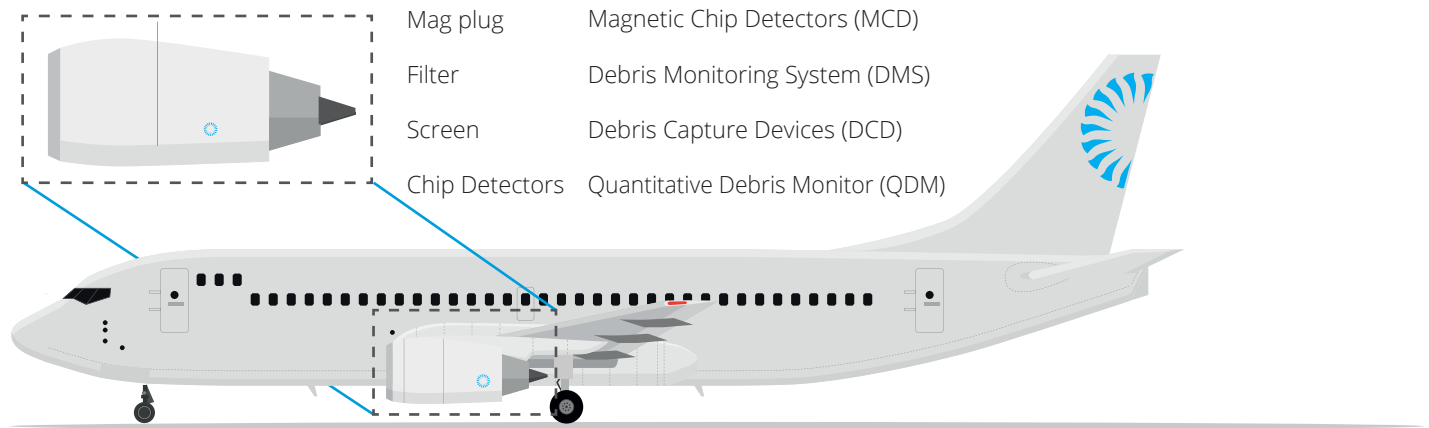
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Debris Extraction Sources

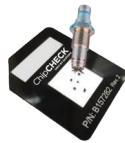


4 Step User Process

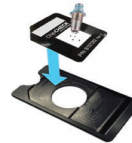
Step 1:



Step 2:



Step 3:



Step 4:



Business Case

Typical Aircraft on Ground costs

Taxi penalty - to hanger
Hanger space
Ground time costs
Passenger compensation
Replacement AC dispatch
Replacement engine dispatch
Remote location engine swap

1 Aircraft on Ground
(Main Hub)

=



1 Aircraft on Ground
(Remote Diversion)

=



"ChipCHECK is able to help immediately identify debris, and determine the potential effects on engine operation. We can then make effective decisions in the shortest possible time." - EMIRATES MANAGER OF OVERHAUL WORKSHOPS

ChipCHECK uses innovative laser technology to eliminate subjective decisions, or the need to send samples off-site!

Easy to use and delivering the detailed data you need - including size, shape, and alloy composition of each particle - ChipCHECK empowers your maintenance crew to analyze debris extracted from your equipment.

Most importantly, ChipCHECK saves you time and money - ensuring the fastest and most accurate way of making the equipment maintenance and at-line maintenance decisions in real time.

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ORDER NOW

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