

# TRAC

SCREEN PERFORMANCE &  
CONDITION MONITORING SYSTEM



## EVERY SCREEN

# HAS A STORY. ARE YOU LISTENING?

### TRAC SOLUTION OVERVIEW

**TRAC** is a portable, multi-sensor vibration analysis system designed specifically for vibratory equipment. It provides fast, repeatable insight into screen motion, balance, resonance and bearing condition, enabling issues to be identified and corrected before they impact performance, uptime or structural integrity.

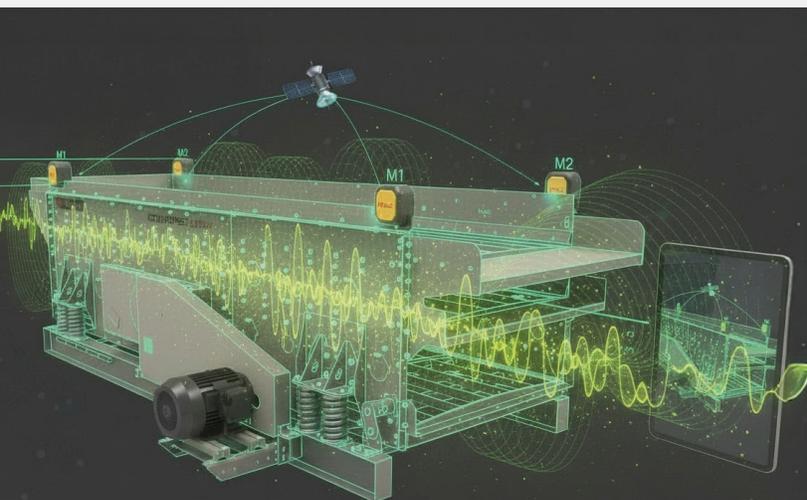
Unlike generic condition-monitoring tools, **TRAC** is engineered around the dynamic behavior of vibratory equipment using synchronized phase aware measurements from multiple locations to reveal the motion of the screen box operation.



1. Rugged Carrying Case
2. Set of Four TRAC Sensors
3. USB Charging Cables

### TRAC LISTENS & DETECTS

- Incorrect stroke, speed or orbit shape leading to inefficient screening
- Uneven or asymmetric screen motion
- Phase imbalance across the screen box
- Operation close to harmful harmonics
- Deteriorating bearing condition
- Commissioning verification
- Measure structural dynamics and natural frequency conditions prior to commissioning new machines onto existing structural support



TRAC is developed by screening engineers for screening customers and supports commissioning, troubleshooting and lifecycle condition assessment.

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A TEREX BRAND SINCE 1923

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# TRAC EVERY SCREEN HAS A STORY. ARE YOU LISTENING?

## THE TRAC DIFFERENCE

TRAC captures every line of your screens story with **synchronized monitoring for your vibratory equipment**. The TRAC software presents complex vibration behaviour in a clear, visual and intuitive format, turning raw data into actionable insight.

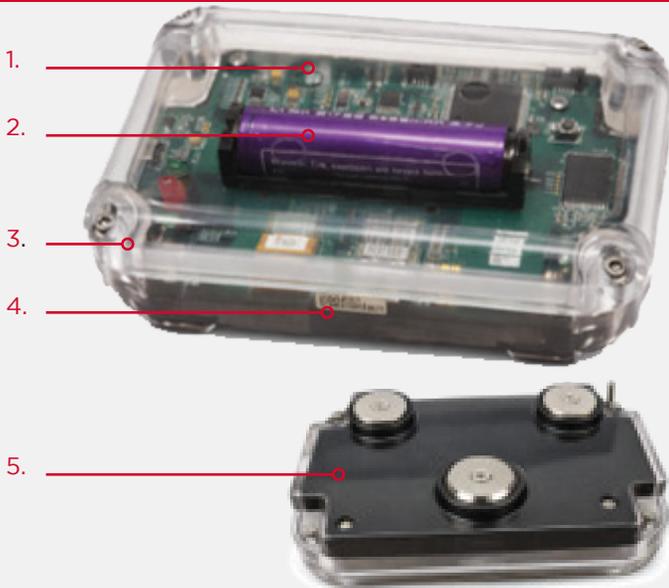
## TRAC KEY CAPABILITIES

- Live and recorded data review
- Automatic calculation of speed, stroke and orbit parameters
- Interactive orbit plots and frequency charts
- Time wave and FFT visualisation
- Sensor health and battery monitoring
- Data export (.csv, .pdf) for reporting and further analysis



Synchronized monitoring for your vibratory equipment.

## HARDWARE OVERVIEW



### Each TRAC sensor features

- Triaxial 16g accelerometer **1.**
- Frequency range suitable for screen operation, bump testing and bearing analysis
- Rechargeable Li-ion battery **2.**
- On-board memory for local data storage
- Status LED for power, battery and activity **3.**
- IP66 enclosure suitable for quarry and recycling environments **4.**
- Magnetic attachment rated for high dynamic loading **5.**

### Patented TRAC Technologies



## TRAC DIAGNOSTIC TOOLS



### Single-Point G-Meter

Quick verification of vibration intensity and operating acceleration levels



### Structural Analysis

Identification of resonance behaviour and structural response characteristics



### Four-Way Levelling

Simultaneous multi-sensor comparison to assess screen angle and symmetry



### Bearing Analysis

Frequency domain evaluation supporting early fault detection



### Orbit Analysis

Patented Phase-accurate orbit measurement using satellite-synchronised sensor timing

Ask for TRAC, the Vibratory Monitoring System built for vibratory equipment. Contact your local Cedarapids® or Simplicity® dealer near you!

TRAC SYSTEM SET | TS051-0001-000