

# 高速移动检测系统 High-speed Moving Sensing System



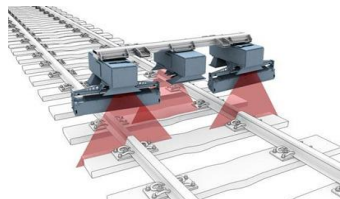
路面检测

Road surface inspection



机场跑道检测

Airport runway inspection

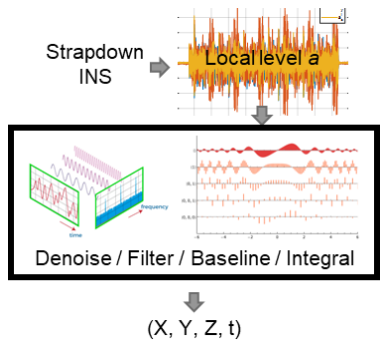


铁轨检测

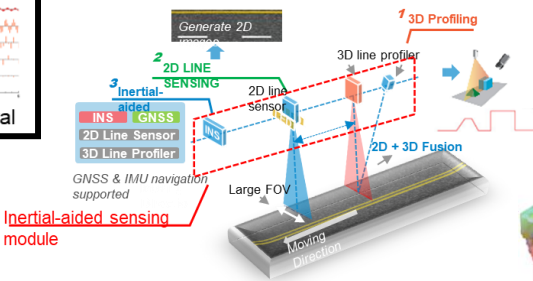
Railway inspection

## 技术优势 Technical Advantages

**Multi-Filter & Low Drift INS  
Processing Algorithm**  
多滤波和低漂移惯性导航处理  
算法



**Multi-sensor Fusion  
多传感器融合**



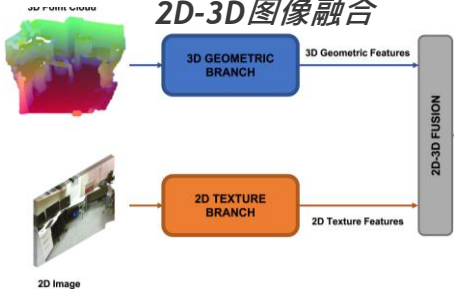
**Data compression  
数据压缩算法**



**AI-based inspection  
基于AI的检测技术**



**2D-3D image fusion  
2D-3D图像融合**



## 系统规格 System Specifications

|                                        |                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------|
| 采样频率 <b>sampling rate</b>              | 30kHz                                                                                       |
| 移动检测精度<br>Motion tag accuracy          | 1mm                                                                                         |
| 检测速度<br>Moving sensing speed           | Up to 80km/h                                                                                |
| 检测分辨率（移动方向）<br>Longitudinal resolution | 1mm (2D&3D)                                                                                 |
| 应用场景<br>Application                    | 路面检测 Road surface inspection<br>机场跑道检测 Airport runway inspection<br>铁轨检测 Railway inspection |