

# Company & Product Introduction



## NVH Measurement & Evaluation



Samsung Electronic, Rotem, Dadong, DensoPS, LG Inoteck, Motonic, Hyosung, Nexolon, W&W Archery, etc.

## Quality Test



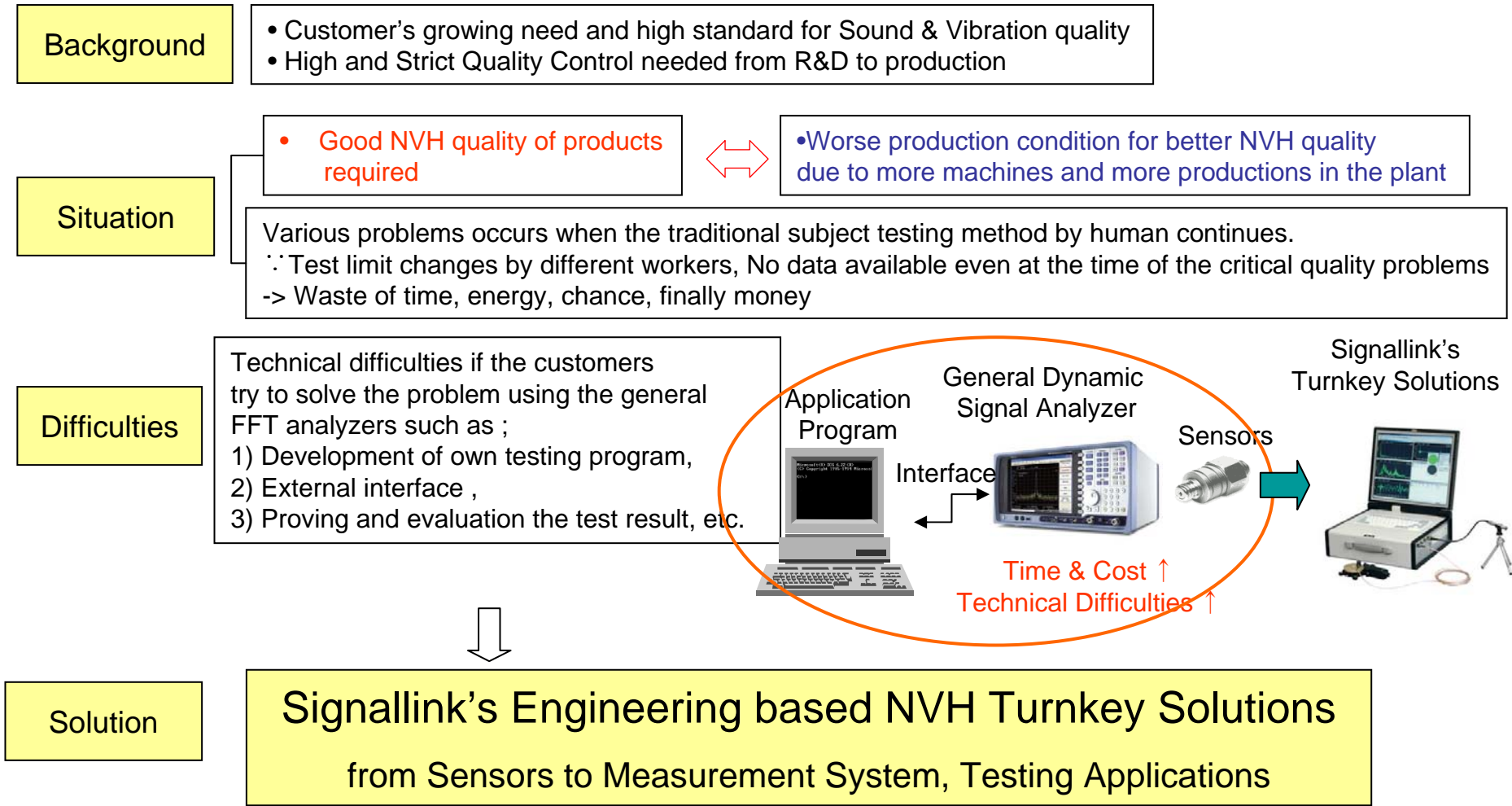
Hyundai Motors, Kia Motors, Wia, Dymos, Mando, GMDawoo, GMIndia, Samsung Techwin, Daeduck, etc.

## Machine Condition Monitoring & Diagnosis



Samsung Electronics, Korea Nuclear Power, KITECK, Korea Transportation Safety, LOT, Beijing Mobis, etc.

# Background of Signallink's Sound & Vibration Turnkey Solution



# Signallink Products (Analyzers)

NSVA



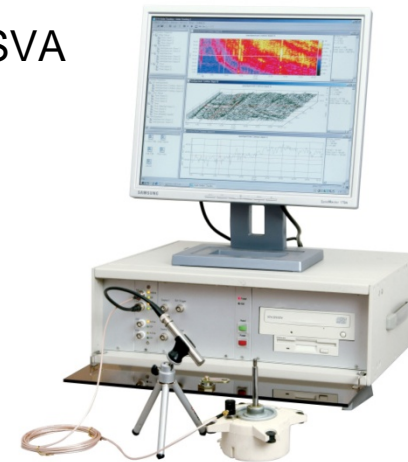
TSVA



PSVA



RSVA



# Signallink Applications

## **1. NVH Measurement & Evaluation**

- Target, test conditions fixed -> Performance, Reliability Test
- Product Performance, Quality Assurance, Certification, Trouble Shooting, etc. in the development stage
- Function, performance, durability test

## **2. Quality Test & Monitoring**

- Target change, test conditions fixed -> Quality level and its deviation of the production goods (machining, assembly quality using NVH signal)
- EOL(End of Line) test, test cell condition sample test, etc.

## **3. Machine Condition Monitoring & Diagnosis**

- Target fixed, time (or condition) changes -> State change
- Fault monitoring and prediction,
- CMS, durability test, etc.

# Signallink Applications (Applications)

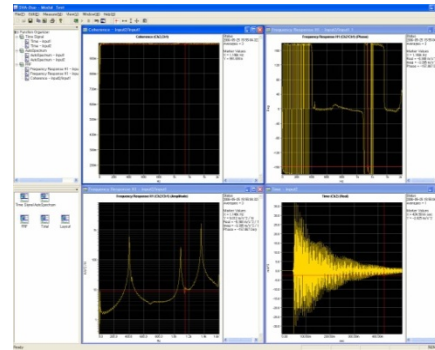
Test & Measurement



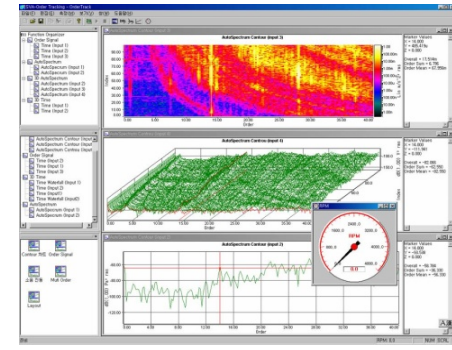
Calibration



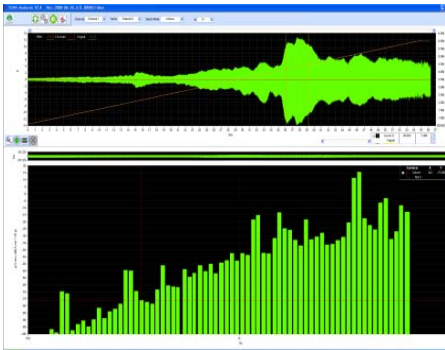
Modal Test



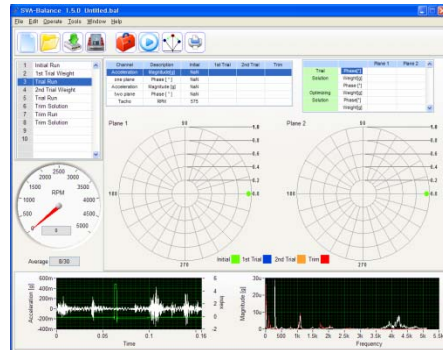
Order Tracking Test



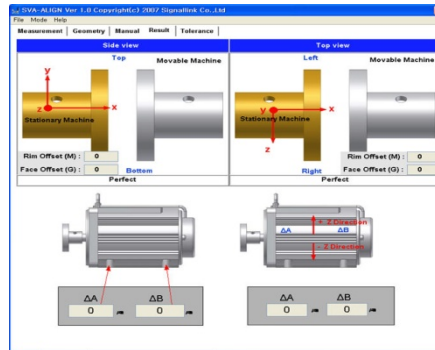
Post-processing Analysis



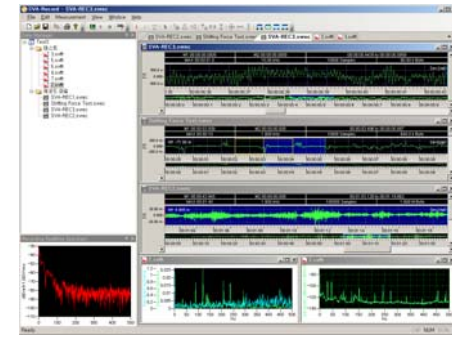
Balancing



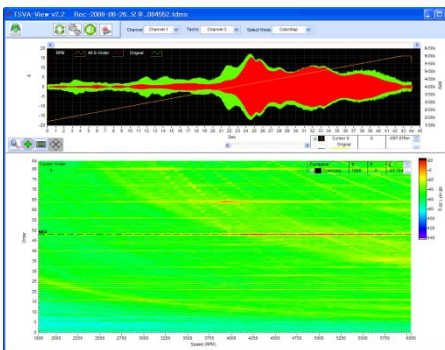
Shaft Alignment



Data Recording



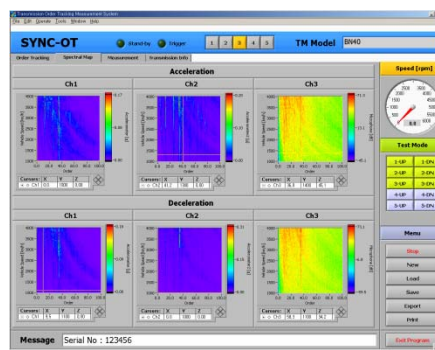
Order Tracking Analysis



Gearbox Fault Diagnosis



Order Tracking Test



Valve Leakage Test



# Signallink's Technologies

## 1. Test & Measurement Solutions

- Hardware, Application Software, Interface, Database, A/S, etc.

## 2. Sensor Module Design & Application

- Sensor Spec. ,Module Design, Measurement Repeatability & Vibration Isolation, etc.

## 3. Sound & Vibration Engineering

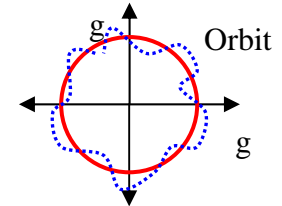
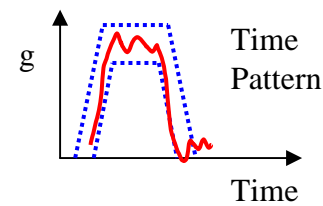
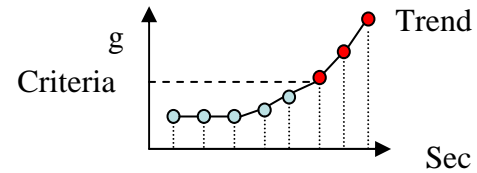
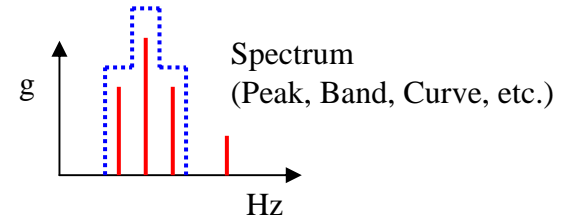
- Setup, Test Criteria, Technical Support & User Training, etc.

# General NVH Products

## SVA-Pro



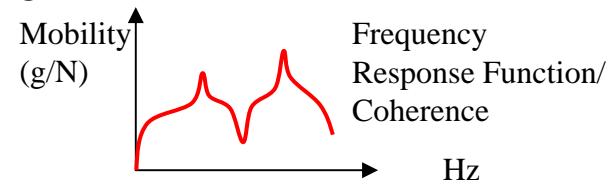
- Dynamic Signal Analyzer
- NVH Quality Test & Evaluation
- Durability Test & Vibration Monitoring
- Digital Oscilloscope for Low Freq. Mechanical Signal




## SVA-RND

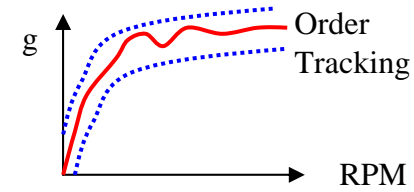



- General Dynamic Signal Analyzer
- Structural Testing (Modal Test)
- Resonance Test

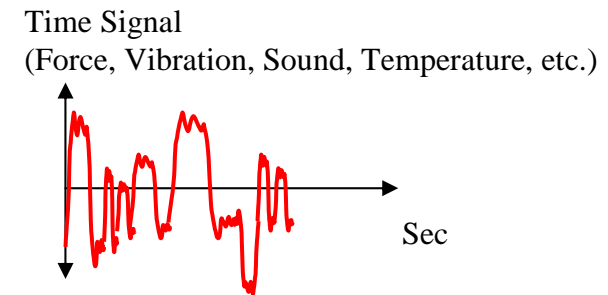






SVA-OT  •Transient Response Test of Rotating Machines

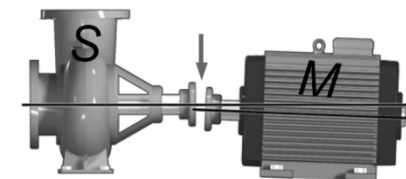


SVA-Rec  •Long Time Signal Data Recording  
•FFT and Post Processing




SVA-Bal  •Balancing Application  
- . 4-run method  
- . One plane and Dynamic (two planes) balancing

SVA-Align  •Shaft Alignment Application  
- . Two shaft alignment using two dial gauges  
- . Analog interface  
- . Calculation function for the manual input



# Specific NVH Products

MDS  •Motor or Turbo Charger Diagnosis System

UBT  •HDD Balancing System

## Sync Series



- Noise Test of Mated Gear Systems
- Sync-M,A for Transmission, Axles, and Transfer, etc.



- Sync-WebDB for Web Database Application
- Sync-OT for Order Tracking Noise Test



- Sync-G for Gear Noise Test



- Sync-Geo for Gear Geometry Test



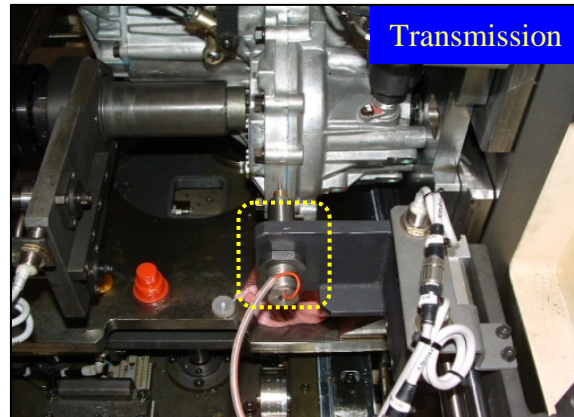
- Sync-SF for Gearbox Shifting Force Test



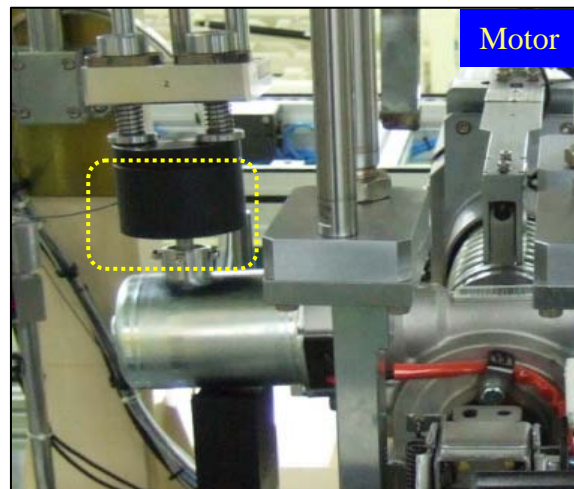
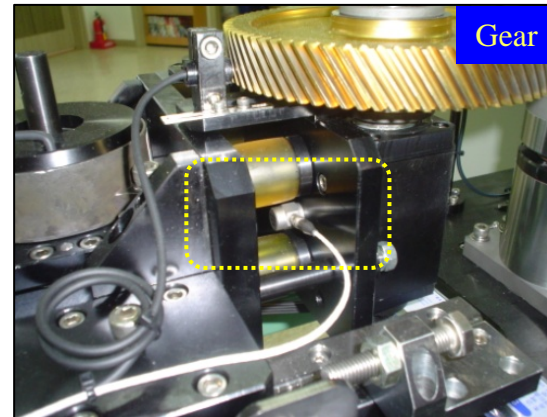
- Tachless OT for Abstracting Special Order Components from Wave File Format NVH Time Signal

- Design & Application of the Sensor Modules

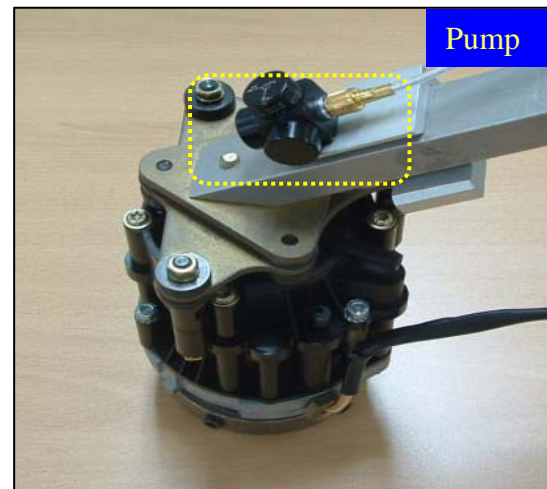
Spring loaded Type



Rubber loaded Type



Magnetic Type



Clamping Type