Hold-Well Intelligent Tools Series (HIT)

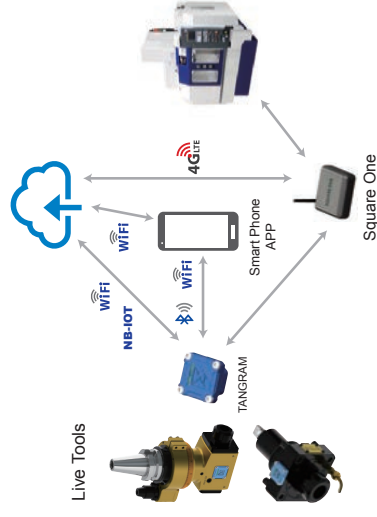**Perfect application for Industry 4.0 allows the real-time monitoring on your working tools.**

Features

- HIT chip is embedded on angle heads in CNC machining centers and on live tools in CNC Lathes. HIT offers real-time monitoring and improves the reliability and activation in the production process.
- HIT captures the status of the working tools via sensors, processes the raw data to usable information, and stores it in HIT Core.
- Using HIT App to carry out tool monitoring improves the production efficiency and avoid production issue.
- Data stored in the cloud is available for the analysis on parameters, trends, and life cycle.
- HIT allows more efficient management of preventive maintenance, extends the tool lifetime, and avoids unexpected downtime.

Functions

- HIT allows the real-time monitoring on mobile phone and tablet.
- HIT monitors RPM, temperature, and vibration of the working tools.
- HIT displays the operating time and the remaining time until the maintenance interval.
- HIT offers secure wireless and blue-tooth data transfer.
- HIT data is stored inside HIT core and the cloud.
- Technical documents (Maintenance, Repair, and Trouble-Shooting) are available on HIT App.
- HIT App offers online call-to-repair service and repair history acquisition.
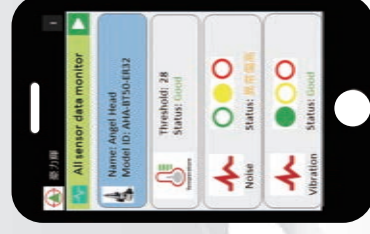
Architecture

Live Tools

TANGRAM

NB-IOT WiFi WiFi WiFi

4G LTE

Smart Phone APP

Square One

App

All the data of the working tools can be read out and managed on mobile phone and tablet.
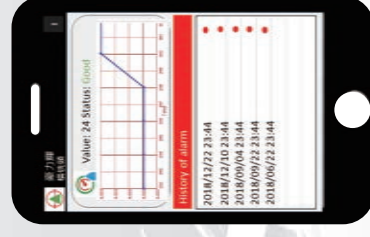

Tool List
It is presented with preview image, basic data of tool, and status.

Tool Status
It displays vibration, noise, temperature, and so on.

Details
It displays real time status and trends.

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