## Part 3

# OMNIedge

# Eliminate loss from tool changes, defects, and rework with AI that evolves!



## **Cutting Tool Problems**



Broken and chipped tools lead to costly defects and rework.



Managing tool life by piece count is expensive.



There's a solution for all your cutting tool troubles that can be installed easily on equipment, with no configuration required.

#### **Tool Monitoring AI Solution Features**



All you have to do is clamp a CT (current sensor) onto the motor cable, which makes installation easy. No CNC connection is required.

# No complicated settings!



The settings tool doesn't require any complicated configuration. The system can immediately start collecting data from the day you install it.

#### Boost accuracy with AI that evolves!



The AI automatically analyzes data to detect abnormal conditions. No threshold values are required, and the accuracy improves as the AI learns.

#### **Benefits**

#### Reduce frequency of tool changes



By using this system to optimize tool life, you can reduce the frequency of tool changes and save on tooling costs.

#### Prevent machining defects



The system detects tool problems in real time, allowing you to promptly take appropriate action and prevent machining defects.

## Support Available before and after Installation

THK provides support when you need it, so you can install the system with peace of mind.

#### Before





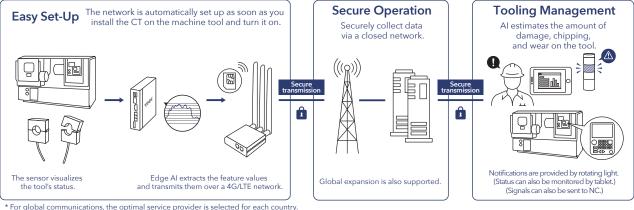
#### After





## Hardware and Software Package Available

THK provides all the infrastructure you need, from the sensor to the communication environment, including the SIM card.



\* The customer only needs to provide the tablet for inputting the tool change history.

THK AMERICA, INC. Phone: 1-847-310-1111 Email: marketing@thk.com