



Centralized Robot Operation Management

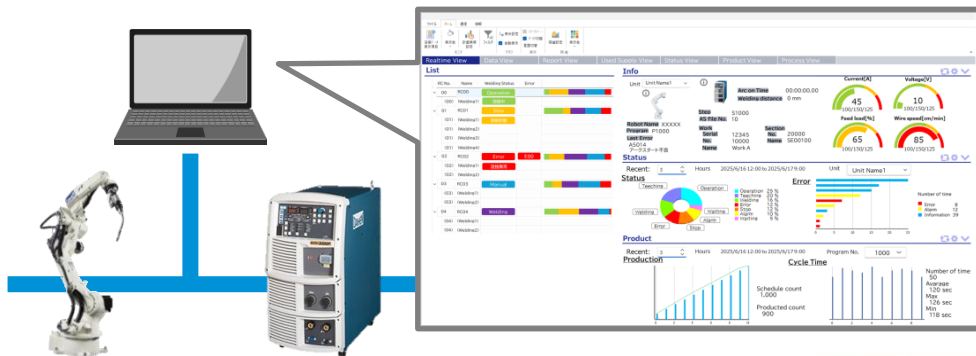
Robot Management System

Customer Concerns



- Unable to identify causes of abnormalities or stoppages
- Want to track maintenance schedules
- Want to avoid large-scale IT investments

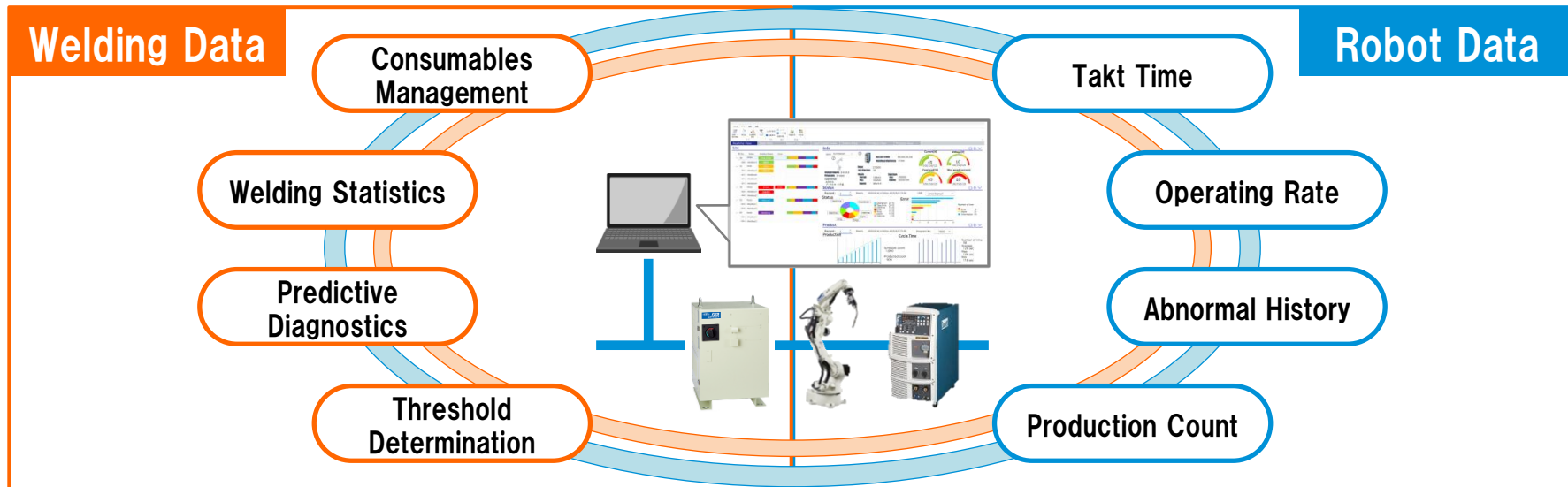
Supporting Challenge Resolution by Managing Both Robots and Welding



Collect and visualize various robot and welding data

Three features support problem-solving

- ① Data Analysis Support ② Diagnostic function ③ Easy Implementation



Records various data at intervals as short as 0.1 milliseconds

► Accurately identify stoppage factors with more realistic data

Welding Waveform



High-Precision Data for
Detect abnormalities

Operational History



Welding Statistics



Easily obtain accurate information
Contributes to investigating stoppage causes

Production Status



Consumable Management



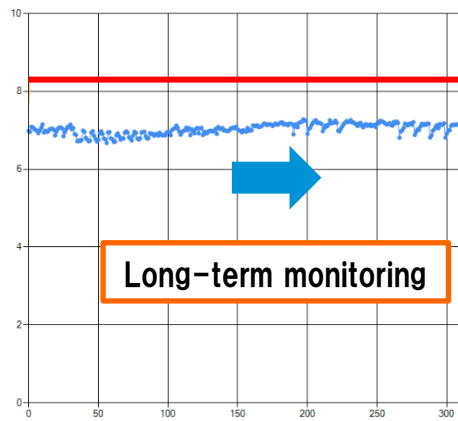
Analyze and diagnose welding machines in addition to robots

Reduce contact tip costs by 20%※

※ Based on our research

Robot

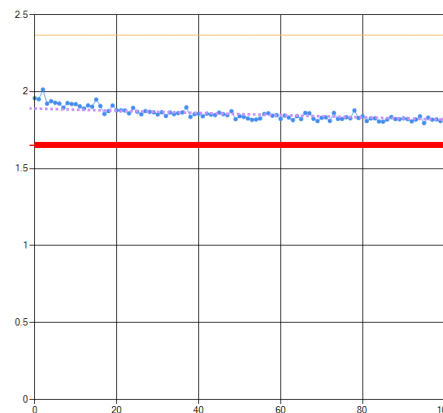
Notification of gear reducer
maintenance timing



Downtime Reduction

Welding Machine

Notification of Optimal Chip
Replacement Timing



Reduced Running Costs



No dedicated hardware required



Install on your PC and start using it immediately

- No space concerns
- Works seamlessly with existing systems

Simple and low-cost implementation

Intuitively track everything from overall operational status to detailed error displays

Simultaneously monitor the status of up to 32 robots

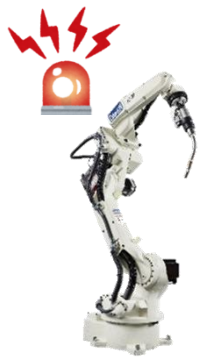
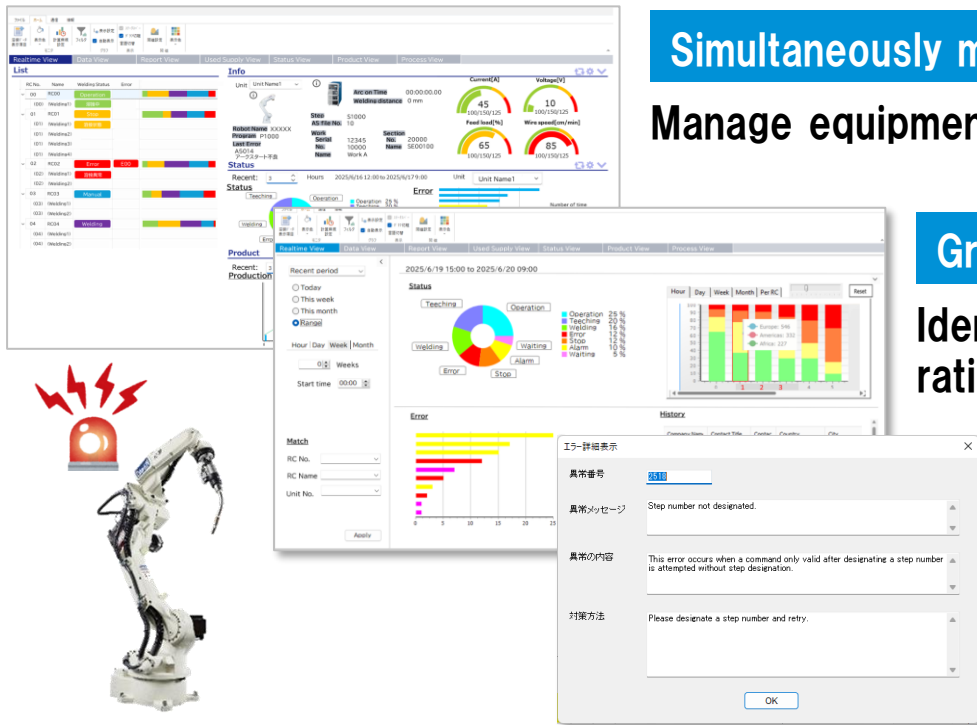
Manage equipment operational status in bulk

Grasp operational history

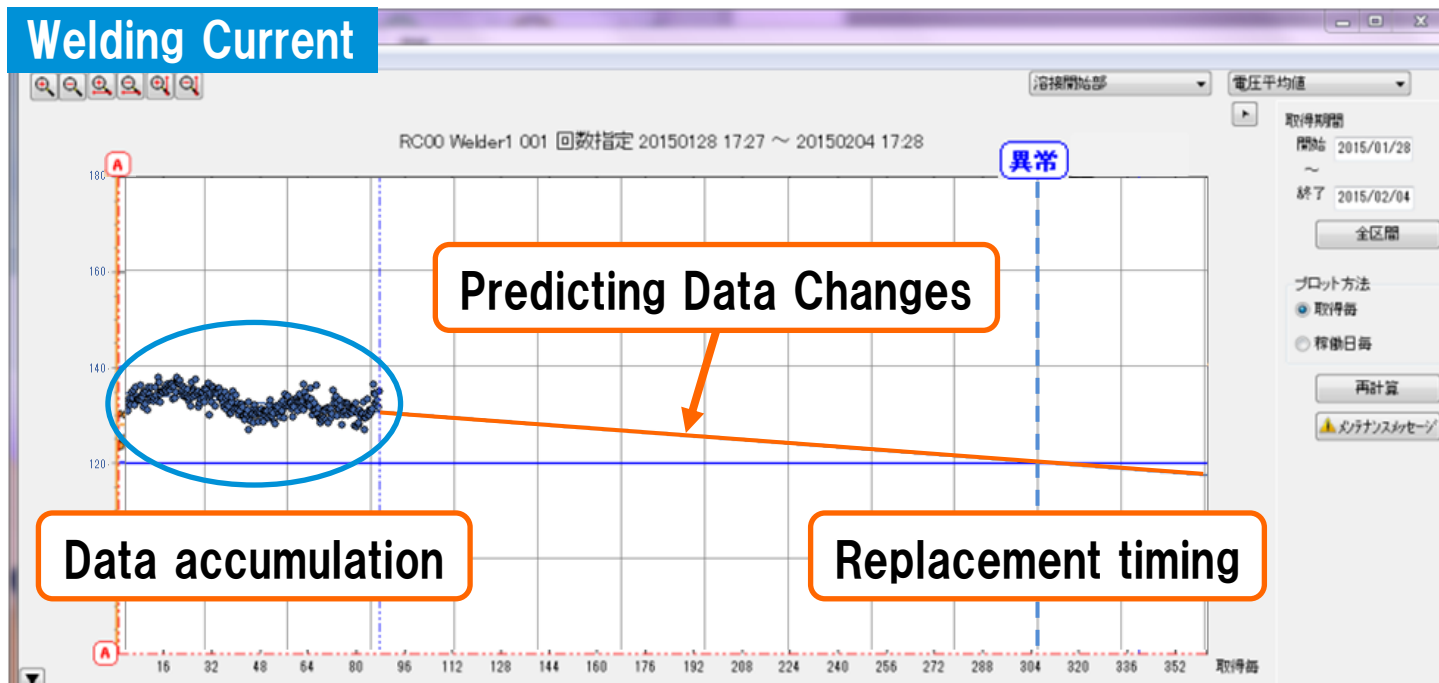
Identify issues from time-series operation ratios and error histories Identify issues

Display detailed error information

Display detailed error messages to and verify solutions



Predict welding condition trends and replace the welding tip before defects occur



※ Depending on the customer's welding environment, predicting welding condition changes may be difficult.

**The Welding Robot Centralized Management
System to improve your production efficiency.**

DAIHEN