

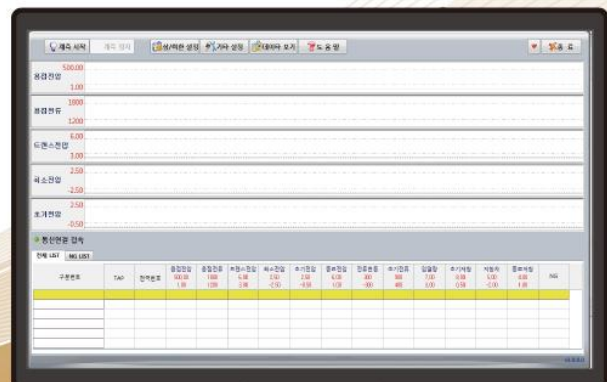
04

MICRO SPOT welding monitoring system

Model

WEMS-3000

MICRO SPOT

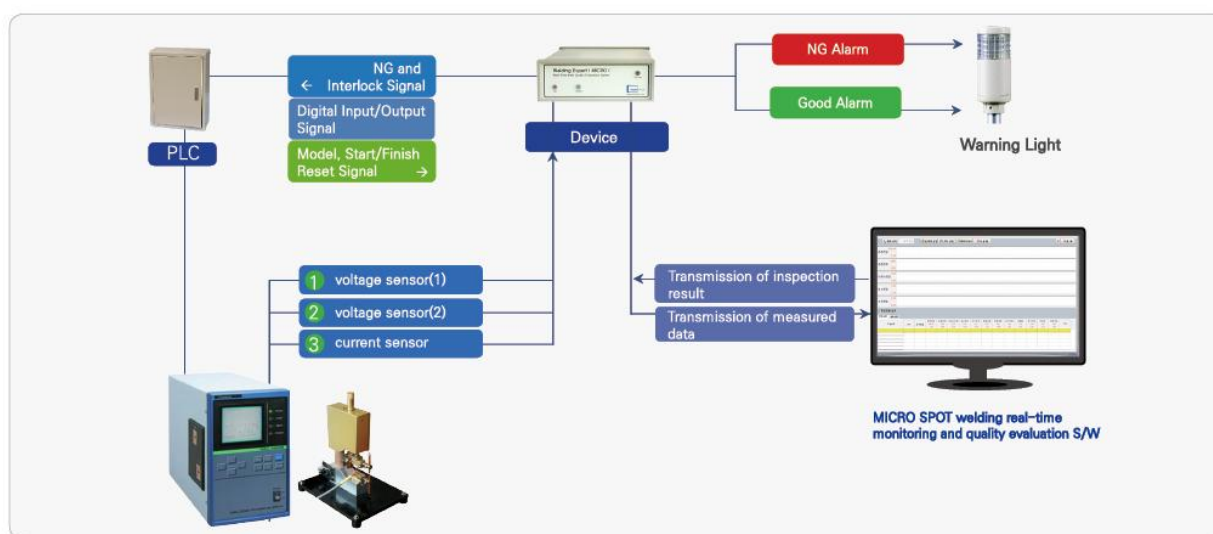


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System Overview

- It maximizes quality improvement of the product through welding quality evaluation on a real-time basis by measuring current and voltage of MICRO SPOT welding.
- It is a monitoring system built with quality estimation algorithm to satisfy customer requirements that are difficult to determine welding quality by only average current and welding time displayed in the welder
- By utilizing the monitoring system built with quality algorithm, it helps increase product quality stability

Basic Configuration of MICRO SPOT Welding System



S/W Main Functions

Item	Content	Item	Content
Basic Function	Manage Upper/lower limits by each model Manage voltage display function (Maximum, average) Separate list of measurement items (total, NG,GOOD) Manage settings of X-Rs chart (Storage up to 5 data and inquiry (date, electrode number) Graph and Cp/Cpk management Save NG data waveform	Additional Function	Develop and apply user-defined quality determination algorithm (Optional), Link with server PC situation, Check monitoring device On/Off

Applications



Prismatic secondary battery



cylindrical secondary battery

Main Clients



Real-time welding quality control and inspection solution

Real-time welding monitoring system

- 01. Welding quality monitoring system (ARC/SPOT/TIG)
- 02. Intelligent welding monitoring system
(NUT & BOLT Projection welding)
- 03. Welding calibration master equipment (ARC/SPOT/DUO)
- 04. MICRO SPOT welding monitoring system
- 05. High speed thermal imaging welding monitoring system
- 06. Ultrasonic welding monitoring system
- 07. Laser welding monitoring system

Welding process measurement and equipment

- 08. Welding force measuring gauge (FORCE)
- 09. Current and force gauge (HANDY)
- 10. Advanced current and force gauge (HANDY PRO)
- 11. Measuring analyzing equipment for WPS/PQR (WPS)
- 12. Welding waveform analysis management equipment (MULTI)

Inspection and integrated monitoring S/W

- 13. Integrated management and control system (MIS)
- 14. Inspection record computerized management system for the Initial, middle, and final products (IM)



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ISO 9001 / ISO 14001 / INNOBIZ / Venture

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