

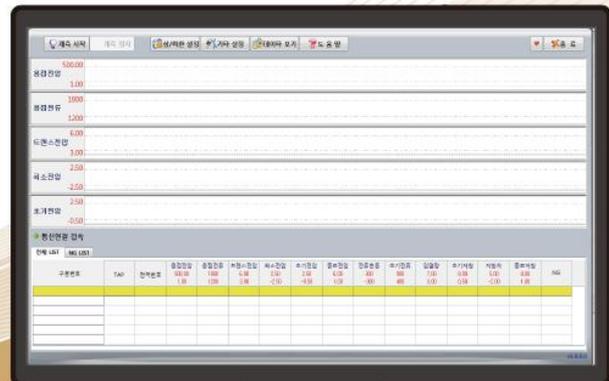
04

MICRO SPOT welding monitoring system

Model

WEMS-3000

MICRO SPOT

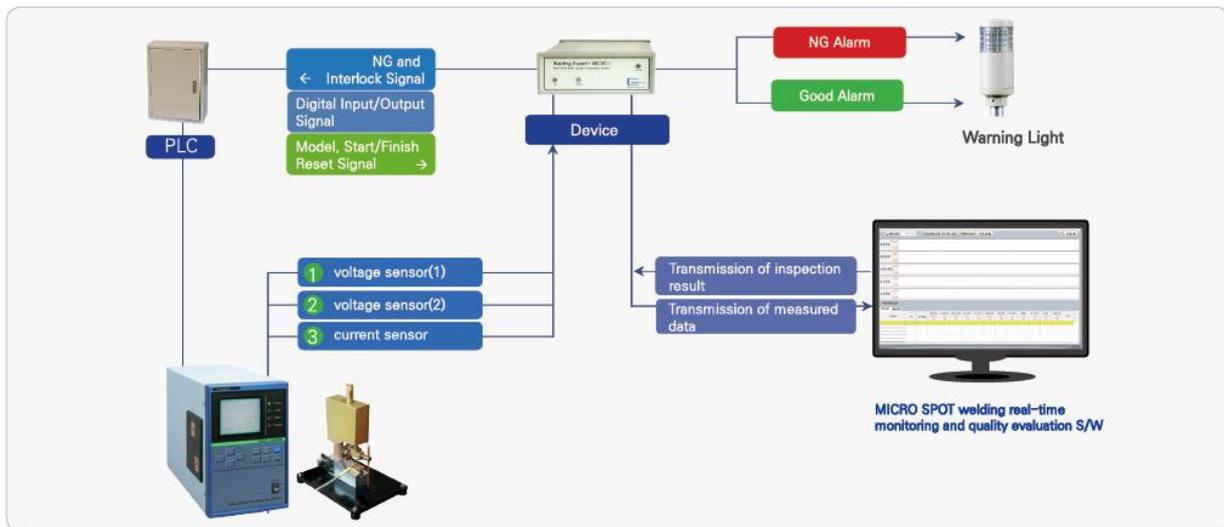


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System Overview

- 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)



ISO 9001 / ISO 14001 / INNOBIZ / Venture

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