



## iWNB

Integrated Welding Network Box

Visualization by IoT enables improved productivity and quality and enhanced traceability.

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Error history

Operation information



**iWNB**  
Integrated  
Welding Network  
Box



\* Up to 32 robots can be connected to iWNB PC.

### Productivity improvement

- Availability and cycle time analysis function.
- Support improvement of availability by visualizing error status.

### Quality improvement & Traceability enhancement

- Accumulation and retrieval of work information and welding data.
- Improvement of reliability by establishing traceability.

## iWNB has six categories of features



Collect, record, and analyze data to solve productive issues and help customers to improve their productivity, quality and traceability. Customers can view production information on the web screen from anywhere in the world.

- Management Indicators:** Visualize the current status vs Key Performance Indicator.
  - 1) Production volume and rate per hour
  - 2) Operating time and rate per hour
  - 3) Cycle time per hour
  - 4) Cost of product
- Operating Status:** Show the current operation status and the operating results.
- Production Status:** Show the current production status, results and the cycle time. Show the costs of shield gas, wire, electronic for each work piece.
- Traceability:** Show the list of weld programs, errors, inspection results and weldline information in one display.
- Error History:** Show the current operation status. Display the list of short or long time break down in production line. Displays a list for troubleshooting of errors and alarms.
- Maintenance:** Indicates the load factor of 6-axis, the current of feeding motor and send the notification. Infer the wear of contact tip from the decrease in the output current. Displays a list of equipment maintenance history.

KPI Examples

Actual costs

Contact Tip replacement

## Entire system configuration



• Visualized by iWNB on Web browser (Mobile devices)

Panasonic Connect Europe GmbH  
 Robot & Welding Systems Europe  
 Jagenbergstraße 11a  
 41468 Neuss, Germany  
 pfse.panasonic.eu



Phone: +49 (0)2131/60899-0  
 eMail: pwse.sales@eu.panasonic.com