



integrated Welding Network Box

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

Management index

Traceability

Maintenance

Production information

Error history

Operation information



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

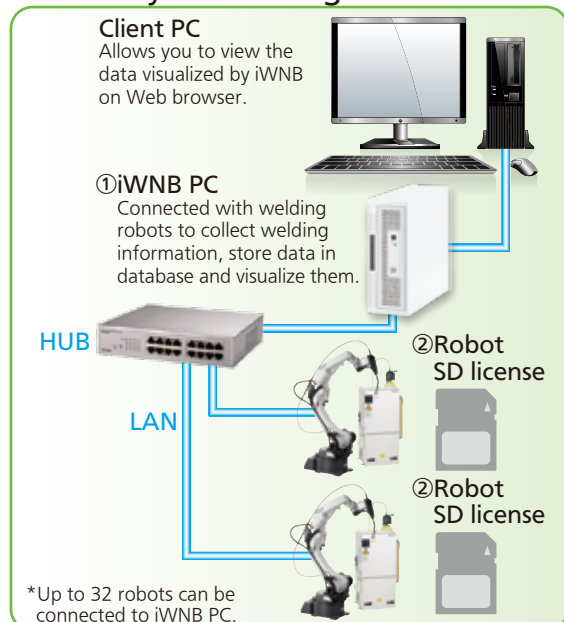
**Productivity improvement** >

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

## ■ Entire system configuration



## ■ Restrictions

<b>Applicable models</b>	①WGIII/WGIII ②GIII * External power source: Only "operation information" is obtainable but "Welding information" is not. LAPRISS: Only "operation information" is obtainable but "laser information" is not.
<b>Excluded models</b>	①GII controller, ② TIG robot, ③ Third-party robots, ④Robot harmonious function
<b>Other conditions</b>	①It is not possible to use the Production management function. ②For the use together with the "Robot data access" function, please contact us.

## ■ Customer preparation items

Item	Contents	Details
Power cable	For iWNB PC	For details, please contact us.
Network device	LAN cable	Use CAT5e or higher grade. In environments that suffer from heavy electromagnetic interference, use CAT6A or higher-grade cable, or STP (Shielded Twist Pair) cable with noise canceling capabilities. Note: Cable types: •Select straight cable when using a network hub. •Select crossover cable when connecting robots directly. * Depending on the hub or PC in use, communication may be enabled regardless of the cable type.
	HUB	•Use a network hub that supports 1000BASE-T or faster. •For connection method, refer to the manual provided with the network hub.
Client PC	Supported OS: Windows 10 32-bit version / 64-bit version	Web browser: Internet Explorer 11 Monitor resolution: 1920 × 1200 or higher
IP address	A number identical to that of the robots.	
Network environment	Communication environment capable of Ping communication (For details, please contact us.)	
Dust-proof rack	To be provided as necessary. Recommendation: A dust-proof of SDS Co., LTD. ①For 10 to 30°C environment: E66H (Heat exchanger type) ②For 10 to 40°C environment: E66C-01 (Cooler type)	

\*For network environment, although wireless LAN is we recommend wired LAN in terms of influence of noise generated during welding.

## ■ About personal information

- Information Security and Personal Information Protection
- Take appropriate action to prevent security risks such as outflow of personal information via this product.
  - Change your login password periodically to prevent unauthorized operation of the equipment.
  - Easy-to-guess passwords may be figured out by third parties. Set a hard-to-guess password and keep it strictly confidential to prevent leaks to third parties.
  - Do not use the same password that you use on other systems or services.
  - When entering your password, take care so that third parties may not steal glances at it.
  - Take appropriate measures to avoid safety risks and to prevent third parties from illegally using the product, interfering or stopping the use of it.
  - Secure the equipment and devices of this product firmly so that they may not be moved or relocated easily.
  - Use keys, locks or other means to restrict physical access to the location of the equipment.
  - Handle personal information in accordance with national laws and regulations.



## Safety precautions

- Before attempting to use any welding product, always read the manual to ensure correct use.

## ■ iWNB includes:

Item	Model	Included items	Details
① iWNB	YY-NWBST1	iWNB PC	OS: Linux CPU: Xeon Memory: 32 GB SSD: 512 GB
	A set of iWNB PC and iWNB software	iWNB software (Preinstalled on iWNB PC)	• Database • Collector • 6 visualization functions
		USB license key	For license authentication
		OSS license CD	
		Operating instructions	
② Robot license	YA-1UPXD1T01	Production management function Robot SD	One license is required per robot
	YA-1TPWY2	Welding data management Robot SD	One license is required per TAWERS • Welding data log output (Average value) • Weld waveform output • Weld monitor Use the above three functions

\* Installation requires separate quotation.

It is necessary to upgrade the robot software to version 31.00 or higher.

## ■ About functions and robot SD licenses

No.	Category	Item	Robot SD license YA-1UPXD1T01 Production management function	Robot SD license YA-1TPWY2 Welding data management
1	Management index	KPI	Necessary	Unnecessary
2		OEE		
3	Operation information	Operation status		
4		Actual operation		
5	Production information	Production status		
6		Production results		
7		Cycle time		
8		Cost performance		
9		Production plan		
10	Traceability	List of welding result		Necessary
11	Error history	Error list		Necessary
12		Temporary stop ranking		Unnecessary
13		Long-term stop ranking		Unnecessary
14	Maintenance	Load rate		Necessary
15		Feed motor current		Necessary
16		Tip replacement		Necessary

\* Using already purchased robot SD license is available.

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Catalog No.

IS0001

Printed in Japan [2020.9] 1-002P