



SOLUTION

FLW ENSIS

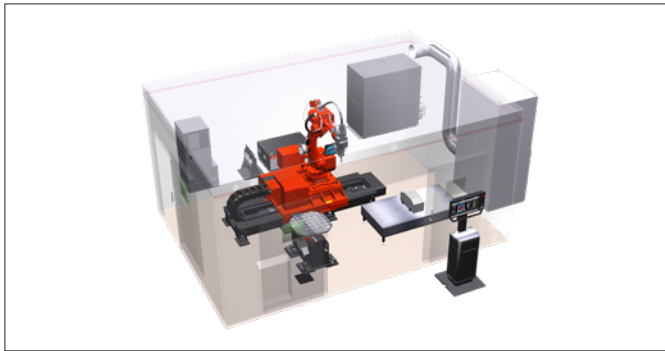
HIGHER OUTPUT WITH LESS SETUP



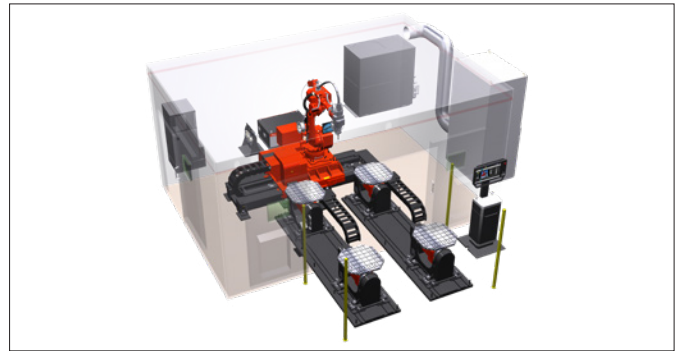
HIGHER OUTPUT WITH LESS SETUP

Utilizing AMADA's original Variable Beam Control technology in either 3kW or 6kW variants, the FLW-ENSIS_{Se} allows a wider range of welding applications to be covered. The new AI-TAS function automatically detects welding positions and corrects the robot position as necessary. Other standard features such as the automatic Push-Pull filler wire function and automatic focal point adjustment aim to provide high quality parts with reduced setup.

M3 - Robot carriage, fixed positioner table



M5 - Robot carriage, 2 exchange tables



MAIN FEATURES

- ENSIS technology (Variable Beam Control)
- 3kW or 6kW welding power options
- AI -TAS (Teaching Assist System)
- Multiple positioner table options
- Automatic Push-Pull filler wire function
- AMNC 4ie control
- Beam Weaving

BENEFITS

- Wider range of welding applications can be covered
- High speed, deeper penetration possibilities
- Artificial Intelligence for faster setup
- System layout to suit your production requirements
- Large gap welding with Push-Pull filler wire management and control
- Facial recognition for personalized operator setup
- Assist large gap welding

MACHINE SPECIFICATIONS

FLW-3000ENSIS _{Se}			M3	M5
Numerical control			AMNC 4ie	
Operator protection			Full cover partition	
Carriage	Travel stroke	m	3	4
	Maximum travel speed	m/min	60	
	Repeatable positioning accuracy	mm	± 0.1	
Positioner table	Maximum payload capacity	kg	500	
	Rotating axis		±720°	±200°
	Tilting axis		±90°	
	Maximum travel speed	m/min	-	30
Cabin dimensions*	L x W x H	mm	Dependent on work type and customer requirements.	

OSCILLATOR SPECIFICATIONS

	ENSIS-3000	ENSIS-6000
Beam generation	Laser diode excitation, fibre laser	
Maximum power	W 3000	6000
Processing head	AMADA	

ROBOT

MC2000	
Robot	Vertical articulated 6-axis robot
Robot controller	YRC1000

* Please refer to your specific layout drawing.

Specifications, appearance and equipment are subject to change without notice by reason of improvement.
Hazard prevention measures are removed in the photos used in this sheet.

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