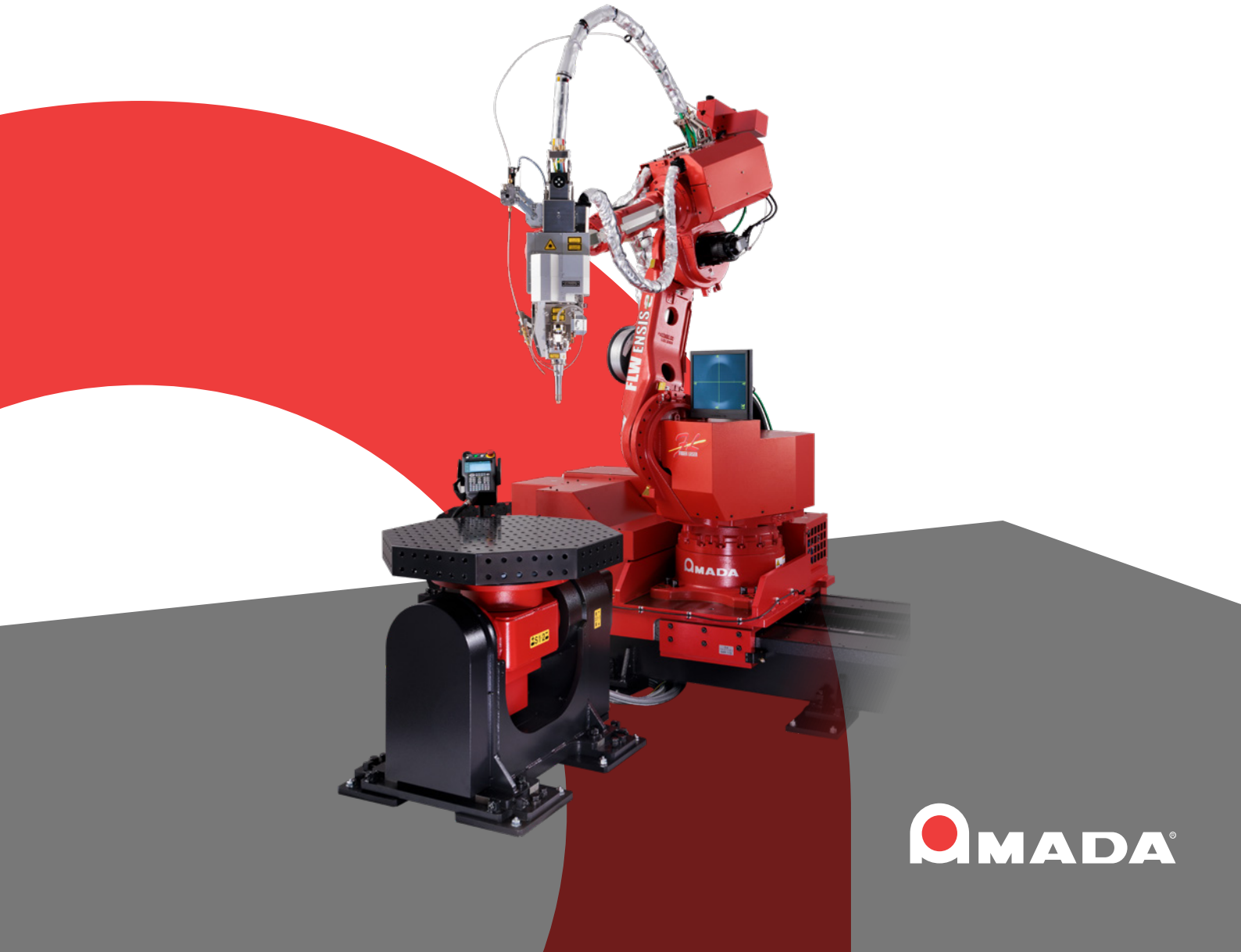
SOLUTION

FLW ENSIS 2

HIGHER OUTPUT WITH LESS SETUP



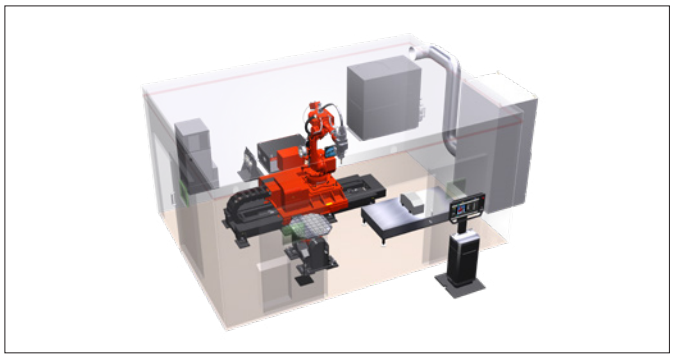
AMADA®

FLW ENSIS e

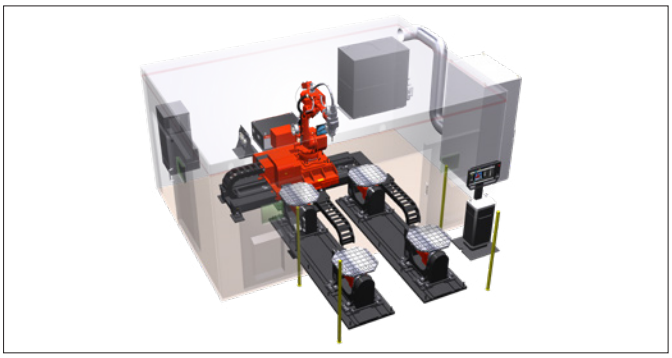
HIGHER OUTPUT WITH LESS SETUP

Utilizing AMADA's original Variable Beam Control technology in either 3kW or 6kW variants, the FLW-ENSISe 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-3000ENSISe			M3	M5
Numerical control			AMNC 4ie	
Operator protection			Full cover partition (safety level T2)	
Carriage	Travel stroke	m	3	4
	Maximum travel speed	m/min	60	
	Repeatable positioning accurary	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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