

Why EVOLVE?

Today's welding challenges are complex and constantly changing. Welding machines that can update their processes and functions on demand are JASIC's answer to these challenges. This game-changing product range combines the power of advanced digital control, modular hardware architecture, and cloud service. It is capable of constantly "EVOLVING" to be ready for **Any Weld, Anytime, Anywhere.**



Any Weld, Any Time, Anywhere

Stay ahead with future proof technology, continuous updates and modular upgrades ready for today and tomorrow.



Modular Design

Expand the machine's functionality with additional hardware modules, allowing for upgrades and new processes as your needs evolve. Modular hardware platform is the basis for continuous evolution of EVOLVE's hardware - for now and in the future.

• Plug & Play Modules

EVOLVE's additional hardware modules can be quickly integrated into the existing setup without the need for further reconfiguration or calibration. Simply connect the desired module, and the machine is ready to use with the new functions.



Wire Feeder Module



Equipped with digital 4-roll wire feeder and a color touch screen interface, this module enhances wire feeding flexibility for various welding setups and wire types.



DC Module



This module supports Tungsten Inert Gas (TIG) welding using direct current (DC), making it suitable for welding materials like stainless steel and mild steel.



AC/DC Module



With TIG AC/DC capabilities, this module enables welding with both alternating current (AC) and direct current (DC), allowing for precise control, especially when working with aluminum and other materials.



Water Cooler Module



The cooling unit ensures optimal operating temperatures for the welding equipment, guarding against overheating and promoting consistent performance.



CUT Module (Coming Soon)



Two versions will be available: the 50A version comes with built-in compressor, and is ideal for light-duty applications. The 120A version is to be paired with EVOLVE400 or above for heavy-duty applications.





Wireless Data Connectivity

EVOLVE's ability to connect via WiFi or GSM ensures reliable access to JTECloud, whether in workshops or remote locations. This flexibility enables real-time updates and monitoring, making EVOLVE adaptable for welding operations anywhere.



GPS

EVOLVE's GPS ensures precise tracking and management of machines across diverse job sites, from workshops to remote locations. It simplifies fleet management, improves resource allocation, and enhances security by monitoring machine locations in real time. This makes EVOLVE reliable and adaptable for use "anywhere" in the world.



Input Power Adaptability

EVOLVE power sources' input power adaptability allow them to seamlessly switch between single-phase and three-phase power*, and operate across a wide voltage range. This flexibility ensures reliable performance in diverse environments, from workshops with stable power supplies to rugged sites with varying electrical conditions.

*: only applicable to EVOLVE300 & 400



Robotics Ready

EVOLVE's CAN Bus robotic interface allows seamless integration into automated welding systems, making it adaptable for diverse environments - from workshops to fully automated production lines. This flexibility ensures EVOLVE can perform consistently in manual or automated settings.



Why EVOLVE?



JTECloud Service

The JTECloud reaffirms EVOLVE's aptitude to face modern day welding challenges, giving users comprehensive control over tasks ranging from the customization of individual machine to the operation management of industrial welding workshop.

● On-Demand Processes & Functions

Tailor your machine's welding process/function setup on the cloud. Explore new processes and functions available for download directly to your machines.

Active	Add-On	Expiration Date	INFO
<input checked="" type="checkbox"/>	MANUAL MIG AND SYNERGIC MIG	Unlimited	INFO
<input checked="" type="checkbox"/>	PULSE MIG BASE INCLUDING DOUBLE PULSE BASE	Unlimited	INFO
<input checked="" type="checkbox"/>	CLICK MIG	Unlimited	INFO
<input checked="" type="checkbox"/>	JOB MIG	Unlimited	INFO
<input type="checkbox"/>	UP/DOWN MIG TORCH	Unlimited	INFO

● Welding Data Management

Harness the full potential of welding data tracking and analytics through JTECloud, effectively optimizing workshop productivity and curtailing operation costs.



● Fleet Management

Effortlessly oversee an entire fleet of cloud-connected welding machines. Monitor performance, deploy updates, and ensure standardized operations with ease.

Machine Model ID	Machine Firmware	User-Interface Firmware	Registration Date (T)	Location
EVOLVE 500	1.1.1.71	1.2.0.0	August 31, 2024, 9:21 AM	None
EVOLVE 500	1.1.1.71	1.2.0.0	August 29, 2024, 9:19 AM	None
EVOLVE 200 PLUS	1.2.1.71	1.2.0.0	July 17, 2024, 8:08 AM	None
EVOLVE 500	1.1.1.71	1.3.0.0	June 18, 2024, 1:05 PM	None
EVOLVE 200 PLUS	1.2.1.71	1.2.0.0	June 12, 2024, 2:12 AM	None
EVOLVE 200 PLUS	1.2.1.6.8	1.2.0.0	June 12, 2024, 2:11 AM	None
EVOLVE 400	1.1.1.71	1.3.1.0	June 12, 2024, 1:47 AM	None
EVOLVE 300	1.1.1.71	1.3.1.0	June 12, 2024, 1:45 AM	None
EVOLVE 500	1.1.1.71	1.3.1.0	June 12, 2024, 1:35 AM	None
EVOLVE 500	1.1.1.80	1.2.0.0	June 11, 2024, 4:52 AM	None
EVOLVE 200 PLUS	1.2.1.7.8	1.3.1.0	June 11, 2024, 2:53 AM	None
EVOLVE 200 PLUS	1.2.4.6.2	DTDR_V_L_L_R_P10	September 1, 2025, 1:00 AM	None
EVOLVE 200 PLUS	1.2.4.7.2	DTDR_V_L_L_R_P10	September 1, 2025, 1:00 AM	None



OTA Firmware Update

Keep your EVOLVE machines current with JTECloud's firmware update management. Connected machines automatically receive update notifications for the latest versions.



Recommended Versions

At present, whether you choose the EVOLVE300, 400, or 500 as your power source, we recommend 2 package versions as follows:



Specifications

Power Sources

Model	EVOLVE500(N3D1)	EVOLVE400(N3D2)	EVOLVE300(N2D4)	
Input power source	380V-400V-415V-440V 3PH 50/60Hz	195VAC~460VAC±10% 1PH/3PH 50/60Hz		
Power factor	0.85	0.99	0.99	
No load voltage	79(VRD 9V)	70(VRD 9V)	70(VRD 9V)	
Duty cycle	60%	40%	40%	
Welding	MMA	20A~500A	20A~225A(1PH)	20A~225A(1PH)
			20A~400A(3PH)	20A~300A(3PH)
	MIG	20A/15V~500A/39V	20A/15V~225A/25.2V(1PH)	20A/15V~225A/25.2V(1PH)
			20A/15V~400A/34V(3PH)	20A/15V~300A/29V(3PH)
Protection class	IP23	IP23S	IP23S	
Insulation class	H			
Cooling method	Air Cooling			
Power source dimension	842*302*395mm			

Wire Feeder

Model	EVOLVE W-FEED
Motor power	100W 24VDC
Power supply	24V
Max current	500A 60% ED
Water cooler	Available
Push pull	Available
Wire coil	300 mm
Diameter of wire	0.8-1.6
User interface	Color display 5"
Motor power	100W
Protection class	IP23S

AC/DC Module

Model	AC/DC Module EK-01(P1D03)
Duty cycle	40%
Welding current	DC: 5A-500A
	ACDC: 15A-500A
Protection class	IP23S
Insulation class	H
Cooling method	Air Cooling
Power source dimension	842*302*190 mm

Water Cooler Module

Model	EVOLVE W-Cool
Water cooler capacity	6L
Pump power	160W 24VDC
Water flow	2L/min
Motor power	100W 24V DC

DC Module

Model	DC Module EK-02(P1D04)
Duty cycle	40%
Welding current	5A-500A
Protection class	IP23S
Insulation class	H
Cooling method	Air Cooling
Power source dimension	842*302*190 mm