JASIC

EVOLVE

MIG TIG STICK 200+

Powered by

JTECLOUD

+

OTA Firmware Updates

+

On Demand Processes & Functions

JTECloud App:

App Store | Google Play

- ARM Cortex-M4 Microprocessor
- 5" Color LCD Touch Screen
- Inverter Frequency Modulation
- Fully Synergic
- Double Pulse MIG Welding
- High Frequency TIG
- Glick Function
- Digital Control 4 Roll Wire Feeder
- 100 Job Memory Slots
- EVOLVE Digital Torch (Optional)

What is EVOLVE?

It is a new product series developed by JASIC, which features full digital control welding machines with IoT technology and cloud service.

Why EVOLVE?

Today's welding challenges are complex and constantly changing, and a welding machine that can update its processes and functions on demand is JASIC's response to those challenges.

This is a constantly EVOLVEing machine that fits the modern welding environment and survives its challenges.

The EVOLVE200+

Being the introductory model in the range, it brings in JASIC's concept of advanced digital welding thanks to 4 main aspects of the machine:

Advanced DSP Microprocessor

Full Digital HMI

Advanced Digital Welding

High Precision Arc Control

Cloud Service

Advanced DSP Microprocessor for Refined Welding Performance

The ARM Cortex-M4 is the optimal DSP (digital signal processing) microprocessor with floating-point unit (FPU).
Its high-efficiency signal processing capabilities make it ideal for precise pulse control. This processor also supports advanced welding algorithm, which elevates the overall weld results of the EVOLVE200+.

Full Digital HMI (Human-Machine Interface)

Whether the welder is near by or far away from the power source, EVOLVE's full digital human-machine interface delivers seamless user experience with its accessibility and intuitive architecture.

Mobile App

- Capable of managing multiple machines
- Wireless connection via Bluetooth or Wifi
- Intuitive user interface
- Comprehensive welding parameter configuration

Inverter Frequency Modulation for Optimal Output Performance

This feature significantly increases overall energy efficiency of EVOLVE200+ by modulating its IGBT inverters' switching frequency to optimal range in accordance to different output settings. Switching frequency modulation range: 26K~40K.

When welding in low current settings, switching frequency is set at high tier range to deliver high arc dynamic response rate and high arc control precision.

While in high current settings, switching frequency is lowered in order to reduce power loss and limit heat generation.

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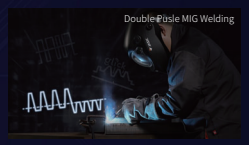
Glick Function

This easy-to-use function allows users to "trim" output current during 4T MIG/TIG welding by pressing the torch's trigger when a 4T welding cycle is on-going.
It allows more precise control on heat input, giving users more options in weld bead formation.

Double Pulse MIG Welding

Double pulse MIG welding process uses 2 different current pulses to form an output pulse. The 2-pulses cycle can stir the weld pool more thoroughly compared to single pulse, forming smaller grain structure and thus better quality weld bead with reduced heat input.



JTECloud

This cloud service aims to provide comprehensive productivity boost by allowing users to capitalize on the power of welding data and IoT applications.

Professional Welding Cloud Service for Scalable, Enhanced Productivity:

- Welding data documentation, statistics, and analysis
- Cost calculation and analysis
- Machine management and maintenance

OTA (Over-the-air) Firmware Update

Users can receive push notification on the EVOLVE200+ whenever there's a new version of firmware available*. Upon the user's approval, the machine will download the updated firmware and complete firmware update process automatically.

Note: the machine's firmware is also downgradable.

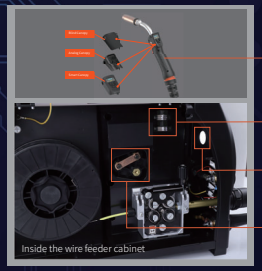
On Demand Processes & Functions

To be an EVOLVE welding machine means being able to renew its processes and functions according to the job's requirements. When connected to JTECloud, the EVOLVE200+ is able to download new processes and functions, and replace the old ones if the user wishes.

Fully Synergic, Powered by JTECloud

The EVOLVE200+ has 19 built-in synergic programs covering MMA, TIG, MIG/MAG, pulse MIG and double pulse MIG.
And on JTECloud, users can have access to an ever-expanding synergic program library. Users can download these on-cloud synergic programs to the EVOLVE200+ when the machine is connected to JTECloud.

Other Distinguishing Features…



- EVOLVE Digital Torch (Optional)
- Built-in Wire Feed Roller Cabinet
- Wire Feed System's LED Lighting
- Secured Polarity Switch

Key Features

Powered by JTECloud
- Machine connects to cloud via WiFi
- Welding data statistics and cost analysis available in cloud
- Dedicated cloud data storage for each machine
- OTA firmware updates

ARM Cortex-M4 microprocessor for top-notch digital control
- High performance DSP capabilities with FPU (floating-point unit)
- Advanced welding algorithm support

Optimal welding quality comparable to machines of higher amperage range
- Inverter frequency modulation for optimal output performance
- Double pulse MIG and high frequency TIG
- 19 built-in synergic programs
- Glick function provides real-time output current fine-tuning for 4T operation
- Digital control wire feeder

Connectivity / Expandability / Job Management
- Wireless connectivity: WiFi / Bluetooth
- Dedicated mobile APP for remote control and device management
- Extended function library available in cloud
- 100 local job memory slots

Specifications

Model	EVOLVE200+ N2D2
Processes	MMA/MIG/MAG/Pulse MIG/Double Pulse MIG/Lift TIG/HF TIG
Power supply	1ph~AC230 V, 50/60 Hz
Rated input power	5.83 kVA
Power factor	0.65
Rated efficiency	82%
Rated no-load voltage	77 V
Rated maximum output	MMA 180 A/27.2 V
	MIG/MAG 200 A/24 V
	Lift TIG/HF TIG 200 A/18 V
Rated duty cycle	25% @40°C
Welding output range	MMA 20~180 A
	MIG/MAG 20~200 A
	Lift TIG/HF TIG 5~200 A
Protection class	IP23S
Insulation class	F
Welding wire material	SG2/SST (CrNi)/AlMg5/AlSi4/CuSi3
Cooling method	Air cooling
Dimensions	605 x 400 x 230 mm
Weight	17.0 kg

JASIC | Passionate About Your Welding

3 Phase Models Available