



EVO2.0

New standard of UX in welding

Year  
Warranty  
**5** ON ALL MODELS

**PFC**  
Power Factor  
Correction  
EN 61000-3-3:2013

Passionate About Your Welding



# EVO 2.0

New standard of UX in welding

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Flexible remote control solutions

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# JASIC's Story

JASIC is a forerunner of IGBT inverter welding technology, and its products were used in some of the most ambitious projects in modern history such as the Beijing Bird's Nest Stadium.

Founded in 2005, the company has grown into an international business with a \$200 million annual turnover\* and over 1000 staffs worldwide. With 3 RDI centres, JASIC have more than 150 R&D personnel and industry-leading integrated test laboratories certified by TÜV Rheinland and CSA. Exporting to over 80 countries and regions, Jasic has an annual production capacity of 1 million machines.

JASIC is driven by its passion for the world's welding needs, and strives to deliver reliable and ecological solutions.

\*Data of 2021 financial year



## At A Glance



1 Million Units  
Annual Production  
Capacity



1000+  
Staffs Worldwide



3 RDI  
Centres



Exporting to  
80+  
Countries



200 Million  
Annual Turnover

## ■ JASIC Quality

The concept of “JASIC Quality” goes well beyond the product quality control. It’s about implementing sustainability strategies in all aspects of JASIC’s operation. Holder of ISO 9001:2015 and ISO 14001:2015, JASIC strives to develop reliable, energy-efficient and eco friendly solutions to the global welding market. JASIC Quality ensures reliability and performance certified by the most prodigious quality management institutions in the world.



## ■ Industry-leading Integrated Test Laboratories

A crucial part of JASIC Quality, our integrated test laboratories have been certified as witness test laboratories by both TÜV Rheinland and CSA Group. All welding power sources are comprehensively inspected with 42 test procedures, assuring product compliance with the most stringent quality and safety standards.





## 2005

09.2005 Founding of JASIC

## 2006

09.2006 Expanded to Australia

## 2007

04.2007 Expanded to Russia

Mass adaptation of IGBT technology in JASIC welding machines

06.2007 JASIC welding machines were used in the construction of the Beijing Bird Nest Stadium

12.2007 JASIC welding machines were used in the construction of the China Pavilion, World Expo 2010

## 2009

10.2009 Obtained CSA Certificate

## 2010

06.2010 Expanded to Thailand

## 2011

01.2011 Expanded to Vietnam

03.2011 Company Listed on Shenzhen Stock Exchange



## 2012

02.2012 JASIC UK established

11.2012 JASIC Technologies America, Inc. established

03.2012 New company head quarters established

03.2012 Integral test laboratory established

## 2017

12.2017 Obtained TÜV Rheinland witness testing laboratory appointment certificate

## 2018

04.2018 JASIC India founded

05.2018 JASIC Tech Europe established

## 2020

Reached \$158 million milestone in annual turnover

## 2021

Reached \$200 million milestone in annual turnover



## Redefined Industrial Design & HMI (human-machine interface)

- Rugged, robust looks with ergonomic features
- User-centric human-machine interface experience
- Flexible Remote control solutions

## Solid Welding Performance

- **Dash-Arc** technology for high frequency TIG
- **Smart Lift-TIG** arc sensing technology
- Consistent and efficient MIG spot welding performance
- **Intelligent synergic control**

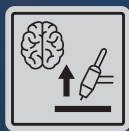
## High Standards in Safety, Reliability, Sustainability

- Power factor correction (PFC) for improved overall energy efficiency, generator friendliness
- Auto sleep mode for reduced energy consumption
- **Smart gas** for optimized shielding gas consumption





**Dash-Arc**  
for HF TIG



**Smart**  
**Lift-TIG**



**HF Stabilising**  
**Technology**  
For AC TIG



**SurePlasma**  
**Technology**  
For non-HF CUT



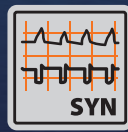
**Mesh**  
**Cutting**



**Power Factor**  
**Correction (PFC)**



**Wide Voltage**  
**Adaptation**



**Intelligent**  
**Synergic**  
**Control**



**50/60 Hz**  
Input Power  
Source



**On Demand**  
**Fan**



**Auto Sleep**  
**Mode**



**Smart**  
**Gas**



**Welding**  
**Engineer**  
**Mode**



**LED Inside**  
**Wire Feed**  
**Cabinet**



**Handy**  
**Accessory**  
**Storage Slot**



**Energy Saving**  
**Environment**  
**Friendly**



**JASIC**<sup>®</sup>  
**MMA**



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# ARC160 PFC

## Key Features

- Rugged, robust and industrial look with ergonomic design
- **ClearVision** technology
- **Intelligent synergic control**
- **Smart Lift TIG**
- Adaptable wide voltage range
- Quick factory reset
- Anti-stick, adjustable hot start and arc force
- Dedicated wireless remote control (minimalist version)
- Remote control receiver module (optional)
- Power factor correction (PFC), generator friendly
- **ABAP: Active Balancing Air Passage**
- On demand fan
- Voltage Reduction Device (VRD)
- Key power electronic component protection
- Overcurrent and overheat protection



## Specification

EA-160	ARC160 PFC	
Input power	AC95-265V, 50/60 Hz	
	AC 115V	AC 230V
Open circuit voltage	78V	
MMA	Rated input current	28.7A
	Rated input power capacity	3.3kVA
	Output current range	20-110A
	Rated duty cycle	25%
TIG	Rated input current	23.3A
	Rated input power capacity	2.2kVA
	Output current range	10-120A
	Rated duty cycle	25%
Efficiency	86%	
Power factor	0.99	
Idle state power	MMA: 38.2W TIG: 7W	
Protection class	IP23S	
Insulation class	H	
Dimensions LxWxH	413 x 150 x 311mm	
Net Weight	7.2Kg	



### Standard Accessories

- Protective Case
- Lead Set
- 2pcs Quick Plugs



# ARC200 PFC



## Key Features

- Rugged, robust and industrial look with ergonomic design
- **ClearVision** technology
- **Intelligent synergic control**
- **Smart Lift TIG**
- Adaptable wide voltage range
- Quick factory reset
- Anti-stick, adjustable hot start and arc force
- Dedicated wireless remote control (minimalist version)
- Remote control receiver module (optional)
- Power factor correction (PFC), generator friendly
- **ABAP: Active Balancing Air Passage**
- On demand fan
- Voltage Reduction Device (VRD)
- Key power electronic component protection
- Overcurrent and overheat protection



## Specification

EA-200		ARC200 PFC	
Input power		AC95-265V, 50/60 Hz	
Open circuit voltage		78V	
MMA	Rated input current	31.2A	29.7A
	Rated input power capacity	3.6kVA	6.8kVA
	Output current range	20-120A	20-200A
	Rated duty cycle	25%	
TIG	Rated input current	27.2A	19.6A
	Rated input power capacity	3.1kVA	4.5kVA
	Output current range	10-160A	10-200A
	Rated duty cycle	25%	
Efficiency		85%	
Power factor		0.99	
Idle state power		MMA: 46.8W TIG: 7W	
Protection class		IP23S	
Insulation class		H	
Dimensions LxWxH		413 x 150 x 311mm	
Net Weight		7.2Kg	



## Standard Accessories

- Protective Case
- Lead Set
- 2pcs Quick Plugs





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## MIG



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# MIG160 PFC

## Key Features

- Rugged, robust and industrial look with ergonomic design
- **ClearVision** technology
- **Intelligent synergic control**
- Adaptable wide voltage range
- Welding engineer mode
- **Smart Lift TIG**
- Consistent and efficient MIG spot welding performance
- Flexible remote control solutions
- Power factor correction (PFC), generator friendly
- Quick factory reset; auto sleep mode
- Compatible with MIG digital torch and spool gun
- LED inside wire feeder cabinet; handy accessory storage slot
- **ABAP: Active Balancing Air Passage**
- On demand fan
- Voltage Reduction Device (VRD)
- Key power electronic component protection
- Overcurrent and overheat protection



## Specification

	EM-160C	MIG160 PFC	
Input power		AC95-265V, 50/60 Hz	
		AC 115V      AC 230V	
Open circuit voltage	67V		
MIG	Rated input current	37.5A      33A	
	Rated input power capacity	2.98kVA      4.22kVA	
	Output current range	30-120A      20-160A	
	Rated duty cycle	30%	
	Wire feed speed	2-11m/min      2-14m/min	
	Wire spool size	D200	
MMA	Rated input current	25.3A      18.5A	
	Rated input power capacity	2.26kVA      4.19kVA	
	Output current range	20-100A      20-140A	
	Rated duty cycle	30%	
TIG	Rated input current	16.4A      14.4A	
	Rated input power capacity	1.79kVA      3.23kVA	
	Output current range	5-100A      5-160A	
	Rated duty cycle	30%	
Efficiency	84%		
Power factor	0.99		
Idle state power	<50W		
Protection class	IP23S		
Insulation class	H		
Dimensions LxWxH	565 x 220 x 415mm		
Net Weight	16Kg		



## Standard Accessories

- 3m MB-15 MIG Torch
- 3m Earth Clamp
- 1pc Quick Socket
- 2pcs Hose Clamps

# MIG200 PFC



## Key Features

- Rugged, robust and industrial look with ergonomic design
- **ClearVision** technology
- **Intelligent synergic control**
- Adaptable wide voltage range
- Welding engineer mode
- **Smart Lift TIG**
- Consistent and efficient MIG spot welding performance
- Flexible remote control solutions
- Power factor correction (PFC), generator friendly
- Quick factory reset; auto sleep mode
- Compatible with MIG digital torch and spool gun
- LED inside wire feeder cabinet; handy accessory storage slot
- **ABAP: Active Balancing Air Passage**
- On demand fan
- Voltage Reduction Device (VRD)
- Key power electronic component protection
- Overcurrent and overheat protection



## Specification

EM-200C		MIG200 PFC	
Input power		AC95-265V, 50/60 Hz	
Open circuit voltage		67V	
MIG	Rated input current	41.8A	38.3A
	Rated input power capacity	3.68kVA	5.74kVA
	Output current range	30-140A	30-200A
	Rated duty cycle	25%	
	Wire feed speed	2-13m/min	2-15m/min
Wire spool size		D200	
MMA	Rated input current	28.5A	25A
	Rated input power capacity	3.28kVA	5.77kVA
	Output current range	20-110A	20-180A
Rated duty cycle		25%	
TIG	Rated input current	23.7A	19.1A
	Rated input power capacity	2.79kVA	4.43kVA
	Output current range	5-140A	5-200A
	Rated duty cycle	25%	
Efficiency		84%	
Power factor		0.99	
Idle state power		<50W	
Protection class		IP23S	
Insulation class		H	
Dimensions LxWxH		565 x 220 x 415mm	
Net Weight		16Kg	



## Standard Accessories

- 3m MB-15 MIG Torch
- 3m Earth Clamp
- 1pc Quick Socket
- 2pcs Hose Clamps





# MIG200 PFC

## Key Features

- Rugged, robust and industrial look with ergonomic design
- **ClearVision** technology
- **Intelligent synergic control**
- Adaptable wide voltage range
- Welding engineer mode
- **Smart Lift TIG**
- Consistent and efficient MIG spot welding performance
- Flexible remote control solutions
- Power factor correction (PFC), generator friendly
- Quick factory reset; auto sleep mode
- Compatible with MIG digital torch and spool gun and pull-push torch
- LED inside wire feeder cabinet; handy accessory storage slot
- On demand fan
- Trolley with cylinder holder
- Voltage Reduction Device (VRD)
- Key power electronic component protection
- Overcurrent and overheat protection



## Specification

	EM-200CT	MIG200 PFC
Input power		AC95-265V, 50/60 Hz
		AC 115V      AC 230V
Open circuit voltage		68V
MIG	Rated input current	38.1A
	Rated input power capacity	4.4kVA
	Output current range	30-140A
	Rated duty cycle	30%
	Wire feed speed	2-12m/min
		2-16m/min
		D300
MMA	Rated input current	28.3A
	Rated input power capacity	3.2kVA
	Output current range	20-110A
		20-180A
TIG	Rated duty cycle	30%
	Rated input current	24.2A
	Rated input power capacity	2.8kVA
	Output current range	5-140A
		5-200A
		30%
Efficiency		>80%
Power factor		0.99
Idle state power		<50W
Protection class		IP23S
Insulation class		H
Dimensions LxWxH		920 x 480 x 755mm
Net Weight		41.9Kg



## Standard Accessories

- Trolley
- 3m MB-15 MIG Torch
- 3m Earth Clamp
- 1pc Quick Socket
- 2pcs Hose Clamps

# MIG250 PFC



## Key Features

- Rugged, robust and industrial look with ergonomic design
- **ClearVision** technology
- **Intelligent synergic control**
- Adaptable wide voltage range
- Welding engineer mode
- **Smart Lift TIG**
- Consistent and efficient MIG spot welding performance
- Flexible remote control solutions
- Power factor correction (PFC), generator friendly
- Quick factory reset; auto sleep mode
- Compatible with MIG digital torch and spool gun and push-pull torch
- LED inside wire feeder cabinet; handy accessory storage slot
- On demand fan
- Trolley with cylinder holder
- Voltage Reduction Device (VRD)
- Key power electronic component protection
- Overcurrent and overheat protection



## Specification

EM-250CT		MIG250 PFC	
Input power		AC95-265V, 50/60 Hz	
Open circuit voltage		70V	
MIG	Rated input current	53.2A	44.9A
	Rated input power capacity	6.1kVA	10.3kVA
	Output current range	30-160A	30-250A
	Rated duty cycle	30%	
	Wire feed speed	2-14m/min	2-18m/min
Wire spool size		D300	
MMA	Rated input current	33A	32.2A
	Rated input power capacity	3.8kVA	6.9kVA
	Output current range	20-125A	20-220A
Rated duty cycle		30%	
TIG	Rated input current	29.1A	26.5A
	Rated input power capacity	3.3kVA	6.1kVA
	Output current range	5-160A	5-250A
	Rated duty cycle	30%	
Efficiency		>80%	
Power factor		0.99	
Idle state power		<50W	
Protection class		IP23S	
Insulation class		H	
Dimensions LxWxH		920 x 480 x 755mm	
Net Weight		41.9Kg	



## Standard Accessories

Trolley  
 3m MB-24 MIG Torch  
 3m Earth Clamp  
 1pc Quick Socket  
 2pcs Hose Clamps



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 **JASIC**<sup>®</sup>  
**TIG**



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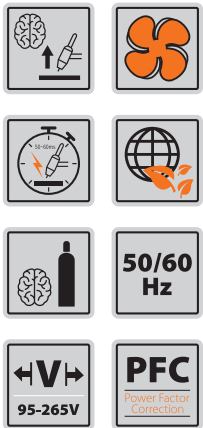
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# TIG200 PFC

## Key Features

- Rugged, robust and industrial look with ergonomic design
- **ClearVision** technology
- Adaptable wide voltage range
- **Dash-Arc**
- **Smart Lift TIG**
- Full featured TIG parameters
- Flexible remote control solutions
- Power factor correction (PFC), generator friendly
- Quick factory reset; auto sleep mode
- **ABAP: Active Balancing Air Passage**
- **Smart gas** for optimised shielding gas consumption
- On demand fan
- Voltage Reduction Device (VRD)
- Key power electronic component protection
- Overcurrent and overheat protection



## Specification

ET-200		TIG200 PFC	
Input power		AC95-265V, 50/60 Hz	
		AC 115V	AC 230V
Open circuit voltage		68V	
TIG	Rated input current	29.7A	19.5A
	Rated input power capacity	3.4kVA	4.5kVA
	Output current range	5-160A	5-200A
	Rated duty cycle	25%	
MMA	Rated input current	31.6A	25.6A
	Rated input power capacity	3.7kVA	5.9kVA
	Output current range	10-120A	10-180A
Rated duty cycle		25%	
Efficiency		84%	
Power factor		0.99	
Idle state power		MMA: 33W TIG: 7W	
Protection class		IP23S	
Insulation class		H	
Dimensions LxWxH		453 x 150 x 313mm	
Net Weight		8.97Kg	



## Standard Accessories

- Protective Case
- Lead Set
- 4m SGT26-S1 180A TIG Torch
- 3m Earth Clamp
- 1pc Quick Socket
- 2pcs Hose Clamps
- 1pc Quick Plug
- 1pc Tungsten Electrode



# TIG200P PFC



## Key Features

- Rugged, robust and industrial look with ergonomic design
- **ClearVision** technology
- Adaptable wide voltage range
- **Dash-Arc**
- **Smart Lift TIG**
- Full featured pulse TIG parameters
- Flexible remote control solutions
- Power factor correction (PFC), generator friendly
- Quick factory reset; auto sleep mode
- **ABAP: Active Balancing Air Passage**
- **Smart gas** for optimised shielding gas consumption
- On demand fan
- Voltage Reduction Device (VRD)
- Key power electronic component protection
- Overcurrent and overheat protection



## Specification

ET-200P		TIG200P PFC	
Input power		AC95-265V, 50/60 Hz	
Open circuit voltage		68V	
TIG	Rated input current	29.7A	19.5A
	Rated input power capacity	3.4kVA	4.5kVA
	Output current range	5-160A	5-200A
	Rated duty cycle	25%	
MMA	Rated input current	31.6A	25.6A
	Rated input power capacity	3.7kVA	5.9kVA
	Output current range	10-120A	10-180A
	Rated duty cycle	25%	
Efficiency	84%		
Power factor	0.99		
Idle state power	MMA: 33W TIG: 7W		
Protection class	IP23S		
Insulation class	H		
Dimensions LxWxH	453 x 150 x 313mm		
Net Weight	8.97Kg		



## Standard Accessories

- 4m SGT26-S1 180A TIG Torch
- 3m Earth Clamp
- 1pc Quick Socket
- 2pcs Hose Clamps
- 1pc Quick Plug
- 1pc Tungsten Electrode



# TIG200PACDC PFC

## Key Features

- Rugged, robust and industrial look with ergonomic design
- **ClearVision** technology
- Adaptable wide voltage range
- HF stabilising technology
- **Dash-Arc**
- **Smart Lift TIG**
- Full featured pulse TIG parameters
- Multiple AC waveforms
- Mixed waveform, mixed waveform frequency, mixed waveform duty cycle
- Flexible remote control solutions
- Power factor correction (PFC), generator friendly
- Quick factory reset; auto sleep mode
- Water cooled option available
- **ABAP: Active Balancing Air Passage**
- **Smart gas** for optimised shielding gas consumption
- On demand fan
- Voltage Reduction Device (VRD)
- Key power electronic component protection
- Overcurrent and overheat protection



## Specification

ET-200PACDC		TIG200P ACDC PFC	
Input power		AC95-265V, 50/60 Hz	
Open circuit voltage		65V	
TIG	Rated input current	32.2A	21.1A
	Rated input power capacity	3.5kVA	4.7kVA
	Output current range	DC: 5-160A AC: 20-160A	DC: 5-200A AC: 20-200A
	Rated duty cycle	25%	
MMA	Rated input current	34.1A	22.7A
	Rated input power capacity	3.9kVA	5.6kVA
	Output current range	10-120A	10-160A
	Rated duty cycle	30%	
Efficiency		80%	
Power factor		0.95	
Idle state power		<50W	
Protection class		IP23S	
Insulation class		H	
Dimensions LxWxH		490 x 165 x 341mm	
Net Weight		11.9Kg	

### Standard Accessories

- 4m SGT26-S1 180A TIG Torch
- 3m Earth Clamp
- 1pc Quick Socket
- 2pcs Hose Clamps

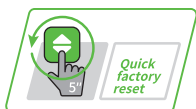
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**CUT**



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# CUT45 PFC

## Key Features

- Rugged, robust and industrial look with ergonomic design
- **ClearVision** technology
- Adaptable wide voltage range
- HF stabilising technology
- **SurePlasma** technology for consistent arc ignition performance with different torch lengths
- Mesh cutting, 2T/4T, non HF arc ignition and pilot arc
- Gas check, postflow time setting, cutting torch length setting
- Power factor correction (PFC), generator friendly
- Quick factory reset; auto sleep mode
- **ABAP: Active Balancing Air Passage**
- On demand fan
- Key power electronic component protection
- Overcurrent and overheat protection



## Specification

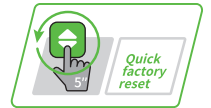
EP -45	CUT45 PFC	
Input power	AC95-265V, 50/60 Hz	
	AC 115V	AC 230V
Open circuit voltage	300V	
Rated input current	31A	23A
Rated input power capacity	3.6kVA	5.3kVA
Output current range	20-30A	20-45A
Arc starting	NHF	
Rated duty cycle	25%	
Good cutting (carbon steel)/@400mm/min	5mm	14mm
Severance (carbon steel)	12mm	25mm
Efficiency	86%	
Power factor	0.99	
Idle state power	<50W	
Protection class	IP23S	
Insulation class	H	
Dimensions LxWxH	546 x 166 x 341mm	
Net Weight	10Kg	



### Standard Accessories

- 6m IPT40 cutting torch
- 3m Earth Clamp
- 2pcs Electrodes
- 2pcs Nozzles
- 2pcs Hose Clamps
- 1pc Quick Socket

# CUT45 PFC Compressor



## Key Features

- With separated compressor unit
- Rugged, robust and industrial look with ergonomic design
- **ClearVision** technology
- Adaptable wide voltage range
- Welding engineer mode
- **SurePlasma** technology for consistent arc ignition performance with different torch lengths
- Mesh cutting, 2T/4T, non HF arc ignition and pilot arc
- Gas check, postflow time setting, cutting torch length setting
- Power factor correction (PFC), generator friendly
- Quick factory reset; auto sleep mode
- **ABAP: Active Balancing Air Passage**
- On demand fan
- Key power electronic component protection
- Overcurrent and overheat protection



## Specification

EP-45C	CUT45 PFC	
Input power	AC95-265V, 50/60 Hz	
	AC 115V	AC 230V
Open circuit voltage	300V	
Rated input current	37A	27A
Rated input power capacity	4.3kVA	6.2kVA
Output current range	20-30A	20-45A
Arc starting	NHF	
Rated duty cycle	25%	
Good cutting (carbon steel)/@400mm/min	5mm	14mm
Severance (carbon steel)	12mm	25mm
Efficiency	86%	
Power factor	0.99	
Idle state power	<50W	
Protection class	IP23S	
Insulation class	H	
Dimensions LxWxH	548 x 187 x 558mm	
Net Weight	26.5Kg	



## Standard Accessories

- 6m IPT40 cutting torch
- 3m Earth Clamp
- 2pcs Electrodes
- 2pcs Nozzles
- 2pcs Hose Clamps
- 1pc Quick Socket



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# Flexible Remote Control Solutions



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UK  
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**+44 (0)161 793 8127**

**European Sales Manager** [steve.waring@wilkinsonstar.com](mailto:steve.waring@wilkinsonstar.com)  
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