

YOUR TRUE PARTNER



KISWEL

PATON

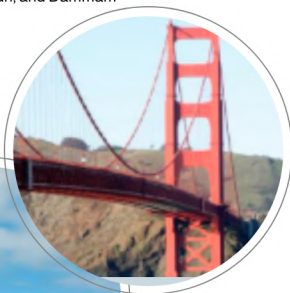


WHO WE ARE

Bakriya Welding Solutions (BWS), a fully-owned subsidiary of AHMED AL- ABUBAKER AL-AMOUDI GROUP, has been conceptualized to serve the ever-demanding industrial sector of Saudi Arabia.

BWS aims to be the top agent and distributor for a vast portfolio of prominent, internationally recognized manufacturers. BWS focus areas include Welding Machines, Welding Consumables, Welding Accessories, and Gas Cutting Equipment.

BWS aims to expand its abilities to strengthen existing customer segments and add new segments to the group's customer portfolio. To further strengthen our market position, we are setting up distribution points in, Jeddah, Riyadh, and Dammam



WHAT WE STAND FOR

VISION

Our vision is to become the leading provider of our product range achieved by having a highly qualified team that believes in our values, solid business partnerships, and state-of-the-art production, all the while maintaining integrity, and business ethics, safety, protecting environmental protection and community service.

MISSION

BWS is committed to:

- Provide its customers with the highest quality products.
- Provide a safe and green environment to our employees and customers.
- Provide added value to our customers.
- Maintain honest and fair business relations with our partners by having a high level of transparency and integrity.
- Be an active participant in our community.

VALUES

In all we do, we will uphold our core values:

- Integrity
- Customer Focus
- Professionalism
- People Development
- Corporate Social Responsibility

WHAT WE OFFER





INTRODUCTION

Since its founding, KISWEL has earned the trust of customers by focusing only on welding materials.

We aim to become the leading specialty welding materials company that places its highest priority on customer value.

KISWEL has solely focused on manufacturing welding materials for a solid period of over 50 years.

While the welding material industry was still in thier early stages during the 1970s and 80s. we have invested, dedicated and took part in contributing to the growth of the domestic industrial foundation.

with the demand for high quality and technology taking place in the 1990s, we have followed through with the establishment of an R&D center equipped with cutting-edge equipment and the automation of our manufacturing processes. The certification of the global standards of QS-9000, ISO/TS 16949, and ISO 14001 are a small display of our contribution to the enhancement of the global steel industry.

Along with the Headquarters locted in Seoul, KISWEL has four manufacturing plants and an R&D Center located in Korea. Globally, KISWEL operates manufacturing plants in the U.S., Malaysia, and China along with branches located in the U.S., Japan, China, Vietnam, Malaysia Thiland, and Luxembourg.

Today, our products with trademark "Elephant logo" can be seen in over 120 countries worldwide.

KISWEL will always strive to maintain the highest quality of materials and continue as an industry leader with bride in enhancing the national competitive edge and ultimately the global market.

We would like to thank you for providing us with opportunity to better satisfy you.



PRODUCT OVERVIEW

SMAW



Industrial Equipment
Pressure vessels
Boilers
Ocean & Shipbuilding
Pipe-lines
Construction

GMAW



Heavy construction
machinery
Automotive pipes
Pressure vessels
Boilers

FCAW



Shipbuilding
Ocean plant
Construction
Bridges
Pressure vessels
Automobile exhaust
systems

MIG/TIG



Heavy Industry
Chemical Industry
Vehicles
Railway systems,
Refrigerating containers

NONFERROUS



oil & Gas Industry
Petrochemical
Refinery
Desalination
Power Generation

SAW



Shipbuilding
Steel extruding
Steel structures
Pressure vessels

Oxy-Acetylene, gas welding



Heavy Ships
Chemical field
Industrial road
Aerospace industry
Automotive
Shipbuilding

Titanium Powder

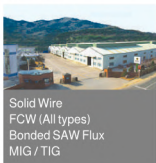


Electronics
Military
Medical
Industrial parts

PRODUCTION PLANT LOCATION

KOREA

CHANGWON



Solid Wire
FCW (All types)
Bonded SAW Flux
MIG / TIG

BUSAN



Covered Electrode
(ALL types)

POHANG

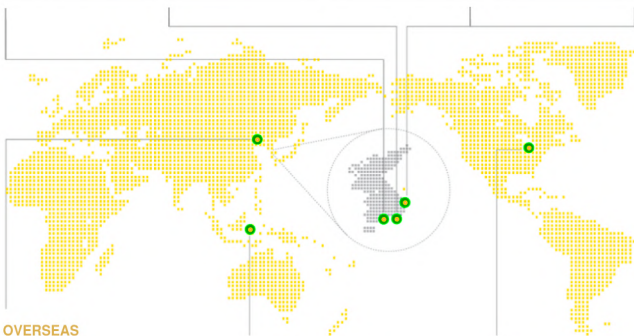


FCW (Baking)
- For General Sectors

POSWELDING



Composite Wire
Bonded SAW Flux
Seamless FCW (Baking)



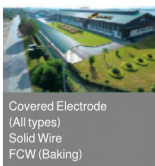
OVERSEAS

CHINA



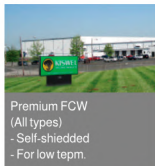
FCW
(Non baking, Baking)
-STS 400
-Self shielded

MALAYSIA



Covered Electrode
(All types)
Solid Wire
FCW (Baking)

USA



Premium FCW
(All types)
- Self-shielded
- For low temp.



MANAGEMENT POLICY

1. POWER OF UNITY

2. QUALITY INNOVATION

3. SOUND MANAGMENT

WORLDWIDE KISWEL HAPPY CUSTOMERS



KOMATSU

KOBELCO



SAMSUNG
SAMSUNG C&T



SAMSUNG
SAMSUNG HEAVY INDUSTRIES



DAELIM

LOTTE E&C

posco e&c
POSCO Engineering & Construction Co., Ltd.



 Sumitomo Heavy Industries, Ltd.

HITACHI

WORLDWIDE KISWEL HAPPY CUSTOMERS



NIPPON STEEL &
SUMITOMO METAL



PATON

LEADING UKRAINIAN MANUFACTURER
OF WELDING EQUIPMENT
AND CONSUMABLES



20
23



ABOUT THE COMPANY

More than 60 years of successful development, and production of welding equipment.



More than
50000
machines
per year



More than
250
employees



More than
60 years
of market
experience



More than
50
countries of
the world



More than
5000 m²
of production
facilities



More than
5000 t
electrodes
per year

Today the company produces more than 60 models of welding equipment, such as:

- MMA machines (from 150A to 630A);
- MIG/MAG welding machines (from 160A to 630A);
- TIG machines (from 160A to 350A);
- Air-plasma cutting devices (from 40 to 100A);
- Multi-mode welding inverters (from 250A to 350A).

The company has its own design and technological base and production facilities, equipped with high-quality equipment for the development and production from scratch of new models of welding equipment, which are fully unique and have no analogs in Ukraine.

Thanks to more than 60 years of experience producing a wide range of high-quality welding equipment and consumables, we meet the needs of welding professionals both in Ukraine and in more than 50 countries worldwide.



PRODUCTION STAGES



Checking the boards and the electronic



Tooling



Machines assembling



Temperature testing



Thorough testing of each machine



Thermal testing



Stickering and packaging of the machine



R & D CENTER

PATON INTERNATIONAL has its R&D laboratories, which are developing all the key components of the welding machines, starting from the design of the machine body and ending with its own boards design and software development. Research is underway for modes:

- manual arc welding (MMA);
- argon arc welding (TIG);
- semi-automatic welding (MIG / MAG);
- air-plasma cutting (CUT).

Laboratories are equipped with modern and high-quality measuring and adjusting equipment, which is used to fine-tune inverter welding machines, which are capable of working with currents up to 1200 amps.

In the laboratory of electrode production, in addition to ongoing quality assurance of incoming raw materials and batches of end products, new promising formulations of welding materials are being developed.

All PATON welding equipment and consumables, which are sold by the company are products exclusively of our own development, which are produced at our own production facilities in Kyiv, using raw materials and electronic components from the best domestic manufacturers, and foreign brands (Vishay, NXP, Infineon, Kendeil, Toshiba, Texas Instruments, etc.).

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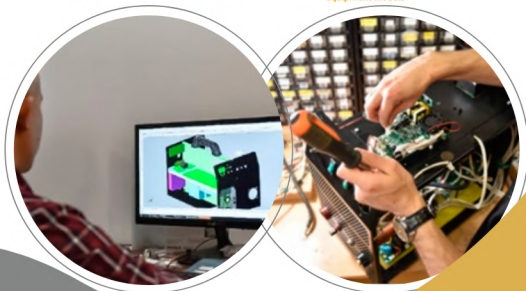
laboratory

20+

developers

50+

developed
equipment models



ADVANTAGES

PATON INTERNATIONAL is one of the leading Ukrainian manufacturers of welding equipment and consumables, and also takes the leading position among manufacturers in the CIS area.

The main features of PATON welding equipment:

- up to 5 years equipment warranty
- exclusive use of high-quality parts and components
- full compliance of declared characteristics with the actual ones
- low power consumption and small size
- unique multifunctional performance and ease of use
- loyal terms of service maintenance

The main advantages of cooperation with PATON INTERNATIONAL:

- more than 60 years on the market of welding equipment
- unblemished brand reputation
- design laboratories and production facilities, located in Ukraine
- profitable and clear cooperation conditions
- professional technical and advisory client support
- processing of the newest technologies and researches



NIP

TOSHIBA

ОДЕССАБЕЛЬ



Kendeil



ABICOR
BINZEL

Infineon

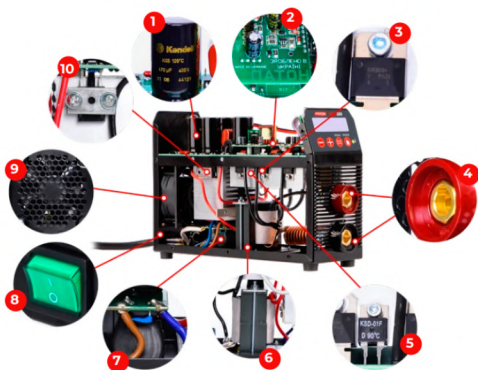


TEXAS
INSTRUMENTS

КРОК-IT

ADVANTAGES

1. Capacitors from the Italian Kendeil brand
2. Unique electrical boards of our own design
3. Rectifier diodes from the American Vishay brand
4. Power connector housings made of heat-resistant material
5. Overheating protection system on all key components of the machine
6. The copper transformer of our own design and production
7. Protection system against short-term overvoltage in the supply network
8. Signal button for turning ON the device - there is no risk of its burning out even with frequent use
9. A double ball-bearing fan is characterized by increased reliability and durability
10. Power transistors from the German Infineon brand



EXPORT



More than
50
countries of
the world



More than
55000
machines exported
over 5 years



More than
10000^t
electrodes exported
over 5 years

In 2013, PATON INTERNATIONAL began to regularly export welding equipment and consumables to foreign markets.

Thanks to its innovativeness, perfect quality of assembly, and high working reliability, the PATON products continue to successfully conquer the foreign markets being highly demanded among professional welders!



North America



Azerbaijan	Poland	Costa Rica	India
Armenia	Czech Republic	Netherlands	United Kingdom
Australia	Slovakia	Hungary	Turkey
Bulgaria	Latvia	Egypt	Germany
Kazakhstan	Lithuania	Greece	South Korea
Georgia	Romania	Cyprus	Croatia
Moldova	Uzbekistan	Sri Lanka	Belgium
Saudi Arabia	Spain	Portugal	Denmark
Libya	Estonia	Serbia	Montenegro
Kuwait	Italy	Israel	Bahrain
Jordan	Sweden	Oman	Qatar
Myanmar	Lebanon	UAE	Nigeria
	Burkina Faso	Ireland	

INDUSTRIES

PATON welding equipment and consumables are used in many industries.



Building Construction



Agriculture



Car Production
and repair shops



Shipbuilding and
ship repair



Aviation



Mining



Operation of Pipelines



Bridge Constructin



Food Industry



Power Industry



Manufacturing



Railway transport
operation

PRO-160 . 200 .250 DC MMA/TIG/MIG/MAG

PATON DIGITAL WELDING INVERTERS OF PROFESSIONAL SERIES — professional machines designed for welding in MMA, TIG, and MIG/MAG modes. Thanks to adjustable additional settings and LCD display, the machine is easy to adjust to any welding task. The increased protection class IP33 and high duty cycle (70%) make these devices the best choice for professional welders.



**LONG CABLES
COMPATIBILITY**



**OVERVOLTAGE
PROTECTION**



ANTI-STICK



**ADAPTIVE
COOLING**



**WORK FROM
GENERATOR**



**WORK WITH
WEAK POWER
NETWORKS**

IGBT

TECHNOLOGY



**HOUSEHOLD
CHAIN**



HOT START



ARC-FORCE

PRO-160 . 200 .250 DC MMA/TIG/MIG/MAG

PARAMETERS:	PRO-160	PRO-200	PRO-250
Rated mains voltage 50Hz, V	230	230	230
Rated current consumption from the mains phase, A	18-21	23-27	29,5-35
Rated welding current, A	160	200	250
Maximum operating current, A	215	270	335
Duty cycle	70% at 160A 100% at 134A	70% at 200A 100% at 167A	70% at 250A 100% at 208A
Power supply voltage range, V	160 - 260	160 - 260	160 - 260
Welding current control range, A	8 - 160	10 - 200	12 - 250
Diameter of a stick electrode, mm	1,6 - 4,0	1,6 - 5,0	1,6 - 6,0
Hot Start Function	Adjustable		
Arc-Force Function	Adjustable		
Anti-Stick function	Automatic		
Idling voltage, V	12/75		
Arc striking voltage, V	110		
Rated power consumption, kVA	4,0 - 4,6	5,0 - 6,0	6,5 - 7,7
Maximum power consumption, kVA	5,8	7,4	9,4
Efficiency, %	92		
Cooling	Adaptive		
Overall dimensions, LxWxH, mm	330 x 115 x 262		
Weight, kg	5,4	5,6	5,7
Protection class	IP33	IP33	IP33

DELIVERY SET PRO-160/200/250:



Welding cables with ABICOR
BINZEL electrode holder and
«ground» terminal



Belt for carrying
the machine on
the shoulder



PATON branded
plastic case for
PRO-160/200/250

PRO-270-400V . PRO-350-400V DC MMA/TIG/MIG/MAG

PATON PROFESSIONAL industrial digital welding inverters – are designed for welding in MMA, TIG, and MIG/MAG modes. The machines are powered by an industrial three-phase network 380/400V and operate with rated welding currents of 270A (PRO-270-400V) and 350A (PRO-350-400V). They have an increased protection class (IP33), a high duty cycle (70%), and more than 30 parameters for adjustment in three welding modes.



**LONG CABLES
COMPATIBILITY**



**OVERVOLTAGE
PROTECTION**



ANTI-STICK



**ADAPTIVE
COOLING**



**WORK FROM
GENERATOR**



**WORK WITH
WEAK POWER
NETWORKS**

IGBT

TECHNOLOGY

3 $\approx$
3x400 50Hz

**3 - PHASE
CIRCUIT**



HOT START



ARC-FORCE

PRO-270-400V . PRO-350-400V DC MMA/TIG/MIG/MAG

PARAMETERS:

	PRO-270-400V	PRO-350-400V
Rated mains voltage 50Hz, V	400	400
Rated current consumption from the mains phase, A	12-14	16-18,5
Rated welding current, A	270	350
Maximum operating current, A	350	450
Duty cycle	70%/ 270A 100%/ 225A	70%/ 350A 100%/ 290A
Power supply voltage range, V	±15%	
Welding current control range, A	12 - 270	14 - 350
Diameter of a stick electrode, mm	1,6 – 6,0	
Hot-Start function	Adjustable	
Arc-Force function	Adjustable	
Anti-Stick function	Automatic	
Idling voltage, V	12/75	
Arc striking voltage, V	110	
Rated power consumption, kVA	7,9 - 9,3	10,6 - 12,2
Maximum power consumption, kVA	11,3	15,2
Protection class	IP33	
Cooling	Adaptive	
Overall dimensions, WxLxH, mm	390x145x335	
Weight, kg	10,5	10,9

DELIVERY SET PRO-270/350-400V:



Welding cables with ABICOR
BINZEL electrode holder and
«ground» terminal



Belt for carrying
the machine on
the shoulder



PATON branded
corrugated box

STANDARDTIG200 . 250 DC MMA/TIG/MIG/MAG

PATON StandardTIG-200 and StandardTIG-250 TIG inverters are designed for direct current welding in TIG, MMA, and MIG/MAG modes (combined with an external wire feeding unit). They are powered by a 220/230V network, equipped with a contactless arc ignition unit (oscillator) and an LCD screen with a multilingual interface. The PULSE function is present for all welding modes. The machines are supplied with a shock-resistant case for convenient transportation and storage.



LONG CABLES
COMPATIBILITY



OVERVOLTAGE
PROTECTION

HF/Lift

IGNITION



ADAPTIVE
COOLING



WORK WITH
WEAK POWER
NETWORKS

IGBT

TECHNOLOGY

1 ~
50 60 HZ

HOUSEHOLD
CHAIN



WORK FROM
GENERATOR

STANDARDTIG200 . 250 DC MMA/TIG/MIG/MAG

PARAMETERS:

	StandardTIG-200	StandardTIG-250
Rated power supply voltage, V	230	230
Rated current consumption, A	25 ... 28	29,5 ... 35
Rated welding current, A	200	250
Maximum operating current, A	270	335
Power supply voltage range, V	160 - 260	160 - 260
Duty cycle	45% at 200A 100% at 134A	45% at 250A 100% at 209A
Welding current control limits, A	10 - 200	12 - 250
Hot Start Function	Adjustable	Adjustable
Arc-Force Function	Adjustable	Adjustable
Anti-Stick Function	Automatic	Automatic
Idling voltage, V	12/70	12/70
Rated power consumption, kVA	5,2 - 6,2	6,5 - 7,7
Maximum power consumption, kVA	8,1	9,4
Cooling	Adaptive	Adaptive
Overall dimensions, LxWxH, mm	330 x 115 x 262	330 x 115 x 262
Weight, kg	5,9	6,3

DELIVERY SET StandardTIG-200/250:



Welding cables with
ABICORBINZEL
electrodeholder and
«ground» terminal



PATON branded
plastic case
(for StandardTIG-200)



PATON branded
corrugated box
(for StandardTIG-250)



ABICOR BINZEL TIG
torch
(for StandardTIG-200)



Belt for carrying the
device on the shoulder

STANDARDTIG270 . 400V STANDARDTIG -350-400V DCMMA/TIG/MIG/MAG

PATON StandardTIG digital inverters are an excellent choice for TIG DC welding of most non-ferrous metals and their alloys, as well as all steel grades. They are operate in MMA (pulsed), MIG/MAG (pulsed), TIG (pulsed, HF, Lift) modes. Equipped with an oscillator to provide contactless ignition in TIG DC mode, an LCD screen and more than 30 adjustable parameters for easy setup and operation. Up to 16 user parameter programs can be stored in memory in each welding mode. The machines are fully compatible with the PATON Feeder wire feeding units, which allows them to fully operate in MIG/MAG mode and at the same time maintain high mobility when working in MMA and TIG modes



**LONG CABLES
COMPATIBILITY**



**OVERVOLTAGE
PROTECTION**

HF/Lift

IGNITION



**ADAPTIVE
COOLING**



**WORK WITH
WEAK POWER
NETWORKS**

IGBT

TECHNOLOGY

3 $\approx$
3x400 50Hz

**3 - PHASE
CIRCUIT**



**WORK FROM
GENERATOR**

STANDARDTIG270 . 400V STANDARDTIG -350-400V DCMMA/TIG/MIG/MAG

PARAMETERS:

	StandardTIG-270-400V	StandardTIG-350-400V
Rated power supply voltage, V	3x400	3x400
Rated current consumption from the mains phase, A	12 - 14	16 - 18,5
Rated welding current, A	270	350
Maximum operating current, A	350	450
Duty cycle	70% at 270A 100% at 225A	70% at 350A 100% at 290A
Power supply voltage range, V	±15%	±15%
Welding current control limits, A	12 - 270	14 - 350
Hot Start Function	Adjustable	
Arc-Force Function	Adjustable	
Anti-Stick Function	Automatic	
Idling voltage, V	12 / 70	
Rated power consumption, kVA	7,9 - 9,3	10,6 - 12,2
Maximum power consumption, kVA	11,5	15,2
Cooling	Adaptive	
Overall dimensions, LxWxH, mm	390 x 145 x 335	
Weight, kg	10,1	10,9
Protection class	IP 33	

DELIVERY SET StandardTIG-270/350-400V:



Belt for carrying the device
on the shoulder



PATON branded
corrugated box

STANDARDMIG-270-400V . 350-400V DC MMA/TIG/MIG/MAG

Inverter three-phase MIG/MAG devices PATON StandardMIG-270/350 of the «Standard» series are designed for direct current welding of a wide range of materials in MIG/MAG, MMA, and TIG modes with the PULSE function for each of them. These devices are powered by a three-phase 400V network and provide a 55% duty cycle at their nominal current of 270A and 350A, respectively. The bracket makes it possible to install coils with wire weighing up to 15 kg, which are placed in a separate closed compartment, which ensures protection of the wire from dirt, and a reliable feeding mechanism guarantees stable wire feeding through the torch channel, up to 5 meters long.



STANDARDMIG-270-400V . 350-400V DC MMA/TIG/MIG/MAG

PARAMETERS:	StandardMIG-270-400V	StandardMIG-350-400V
Rated supply mains voltage 50Hz, V	3x400	3x400
Rated current consumption from the mains phase, A	12,0 - 14,0	16,0 - 18,5
Rated welding current, A	270	350
Maximum operating current, A	350	450
Duty cycle	55% at 270A 100% at 200A	55% at 350A 100% at 260A
Power supply voltage range, V	15%	
Welding current control range, A	12-270	14-350
Welding voltage control range, V	12 - 29	12 - 30
Wire feed speed control limits, m/min	2,0 - 16	
Welding wire diameter, mm	0,6 - 1,2	0,6 - 1,4
Number of rollers of the wire feed mechanism	2	4
Coil weight, kg	up to 15	
Operating temperature range	-25 ... +45°C	
Hot Start Function	Adjustable	
Arc-Force Function	Adjustable	
Anti-Stick Function	Automatic	
Idle voltage reduction unit	on / off	
Idling voltage, V	12 / 75	
Arc striking voltage, V	110	
Rated power consumption, kVA	8 - 9,4	10,7 - 12,3
Maximum power consumption, kVA	11,4	15,3
Cooling	Adaptive	
Dimensions, mm (length, width, height)	615x310x460	
Weight, kg	27,6	27,7
Protection class	IP21	

DELIVERY SET StandardMIG-270/350-400V:



Welding cables with
ABICORBINZEL
electrodeholder and
«ground» terminal



ABICOR BINZEL
MIG/MAG torch



PATON branded
corrugated box



Set of rollers for 4 diameters
of welding wire and 2
diameters of aluminum wire
(for StandartMIG-350) and
a union for quick-release
connection of a gas hose

PROMIG-500-400V PROMIG-630-400V DC MMA/TIG/MIG/MAG

Industrial inverter MIG/MAG machines PATON ProMIG-500/630 are designed for MMA, TIG, and MIG/MAG in the environment of protective gases and mixtures on a direct current in industrial conditions. These machines are powered by a powerful three-phase power-supply network 400V, and provide almost continuous operation at their rated currents of 500A and 630A correspondingly, which is enough to work with any electrodes from Ø1.6 mm to Ø8 mm and welding with solid wire with a diameter of Ø0,6 mm to Ø2,0 mm. A distinctive feature of PATON MIG/MAG machines is a potent, high-quality metal 4-roller wire feed mechanism with a sealed motor.



**LONG CABLES
COMPATIBILITY**



**OVERVOLTAGE
PROTECTION**

IGBT

TECHNOLOGY



**ADAPTIVE
COOLING**



DOUBLE CASE



**INDUCTION
FUNCTION**

3 $\approx$
3x400 50Hz

**3 - PHASE
CIRCUIT**



**WORK FROM
GENERATOR**

PROMIG-500-400V PROMIG-630-400V DC MMA/TIG/MIG/MAG

PARAMETERS:

	ProMIG-500-400V	ProMIG-630-400V
Rated supply mains voltage 50Hz, V	3 x 400	3 x 400
Rated current consumption from the mains phase, A	30 - 35,5	42 - 49
Rated welding current, A	500	630
Maximum operating current, A	630	800
Duty cycle	70% at 500A / 100% at 420A	70% at 630A / 100% at 520A
Power supply voltage range, V	±15%	
Welding current control range, A	16 - 500	18 - 630
Welding voltage control range, V	12 - 40	12 - 44
Diameter of an electrode, mm	1,6 - 8,0	
Welding wire diameter, mm	0,6 - 1,6	0,6 - 2,0
Wire feed speed control range, m/min	1,5 - 20	
Hot Start Function	Adjustable	
Arc-Force Function	Adjustable	
Anti-Stick Function	Automatic	
Idle voltage reduction unit	on / off	
Idling voltage, V	12/75	
Arc striking voltage, V	110	
Rated power consumption, kVA	19,9 - 23,6	27,8 - 32,5
Maximum power consumption, kVA	29,0	40,1
Cooling	Adaptive	
Dimensions, mm (length, width, height)	510 x 180 x 385	510 x 235 x 410
Weight, kg	36,7	38,4
Protection class	IP23	

DELIVERY SET StandardMIG-270/350-400V:



Welding cables with
ABICOR BINZEL
electrode holder and
«ground» terminal



PATON branded
corrugated box



PROTECTIVE BOX



Fitting for quick-release gas
hose connection, set of rollers
for 4 diameters of steel and 2
diameters of aluminum wire

PROMIG-350-400V W . PROMIG-500-400VW PROMIG-630-400V W DC MMA/TIG/MIG/MAG

Inverter digital MIG/MAG machines PATON ProMIG-350/500/630-400V W are designed for industrial use in MMA, TIG, and MIG/MAG welding modes. The machines are implemented in a fully digital control method, due to which, its versatility and wide capabilities in the precise setting of welding modes are provided. The increased duty cycle on a rated current of 350A, 500A and 630A correspondingly, allows the welder to work with any electrodes with a diameter from Ø1,6 mm to Ø8 mm, and weld with solid wire with a diameter from Ø0,6 mm to Ø2,0 mm. The machines have a potent, high-quality metal 4-roller wire feed mechanism with a sealed motor.

The universal connector KZ-2 of the EURO type allows users to connect welding torches from a wide range of producers. Also, machines are equipped with connectors for connecting an autonomous cooling unit and liquid-cooled MIG/MAG torches. In combination with high power and productivity, these machines have small weights and overall dimensions. And thanks to LCD screens, the devices are easy and convenient to configure to solve any welding task



PROMIG-350-400V W . PROMIG-500-400VW PROMIG-630-400V W DC MMA/TIG/MIG/MAG

PARAMETERS:

	ProMIG-350W	ProMIG-500 W	ProMIG-630 W
Rated supply mains voltage 50Hz, V	3 x 400	3 x 400	3 x 400
Rated current consumption from the mains phase, A	16 - 18,5	30 - 35,5	42 - 49
Rated welding current, A	350	500	630
Maximum operating current, A	450	630	800
Duty cycle	70% at 350A / 100% at 290A	70% at 500A / 100% at 420A	70% at 630A / 100% at 520A
Power supply voltage range, V	±15%		
Welding current control range, A	14 - 350	16 - 500	18 - 630
Welding voltage control range, V	12 - 30	12 - 40	12 - 44
Diameter of an electrode, mm	1,6 - 8,0		
Welding wire diameter, mm	0,6 - 1,4	0,6 - 1,6	0,6 - 2,0
Wire feed speed control range, m/min	1,5 - 20		
Hot Start Function	Adjustable		
Arc-Force Function	Adjustable		
Anti-Stick Function	Automatic		
Idle voltage reduction unit	on / off		
Idling voltage, V	12/75		
Arc striking voltage, V	110		
Rated power consumption, kVA	10,7 - 12,3	19,9 - 23,6	27,8 - 32,5
Maximum power consumption, kVA	15,3	29,0	40,1
Cooling	Adaptive		
Dimensions, mm (length, width, height)	360x540x400	510 x 180 x 385	510 x 235 x 410
Weight, kg	23,9	36,7	38,4
Protection class	IP33	IP23	IP23

DELIVERY SET ProMIG-350/500/630-400V W:



Welding cables with
ABICOR BINZEL
electrode holder and
«ground» terminal



PATON branded
corrugated box



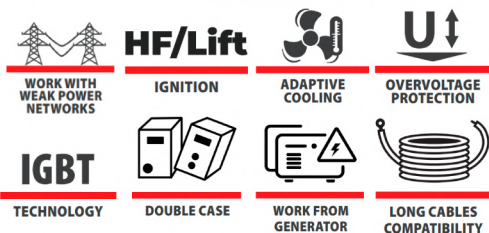
PROTECTIVE BOX



Fitting for quick-release gas
hose connection, set of rollers
for 4 diameters of steel and 2
diameters of aluminum wire

MULTIPRO - 250 . 270-400V . 350-400V DC MMA/TIG/MIG/MAG

PATON INVERTER WELDING MACHINES OF THE MULTIPRO SERIES are multi-mode inverters with a digital control method. Designed for manual arc welding (MMA), argon-arc welding (TIG), and semi-automatic welding (MIG/MAG) in shielding gases and mixtures with rated currents 250A, 270A and 350A correspondingly. The machines have a doublecase design, a powerful wire feeding mechanism, and the most complete delivery set of accessories for three welding modes.



MULTIPRO - 250 . 270-400V . 350-400V DC MMA/TIG/MIG/MAG

PARAMETERS:

	MultiPRO-250	MultiPRO-270-400V	MultiPRO-350-400V
Rated power supply voltage, V	230	3 x 400	3x400
Rated current consumption from the mains phase, A	29,6 - 35,1	12,1 - 14,1	16,2 - 18,7
Rated welding current, A	250	270	350
Maximum operating current, A	335	350	450
Duty cycle	70% at 250 A 100% at 208 A	70% at 270 A 100% at 225 A	70% at 350 A 100% at 290 A
Power supply voltage range, V	160 - 260	±15%	±15%
Welding current control range, A	12 - 250	12 - 270	14 - 350
Welding voltage control range, V	12 - 28	12 - 29	12 - 30
Diameter of a stick electrode, mm		1,6 - 6,0	
Diameter of a welding wire, mm	0,6 - 1,2	0,6-1,4	0,6-1,4
Hot Start Function		Adjustable	
Arc-Force Function		Adjustable	
Anti-Stick Function		Automatic	
Idle voltage reduction unit		On/Off	
Idling voltage, V		12/75	
Arc striking voltage, V		110	
Rated power consumption, kVA	6,6 - 7,8	8,0 - 9,4	10,7 - 12,3
Maximum power consumption, kVA	9,5	11,4	15,3
Cooling		Adaptive	
Overall dimensions, LxWxH, mm	360 x 260 x 270	540 x 360 x 400	540 x 360 x 400
Weight, kg	14,1	16,5	16,9
Protection class	IP21	IP33	IP33

DELIVERY SET MultiPRO-250/270-400V/350-400V:



Welding cables with ABICOR
BINZEL electrode holder and
«ground» terminal



ABICOR BINZEL
MIG/MAG torch



PATON branded
corrugated box



Fitting for quick-release gas
hose connection, set of rollers
for 4 diameters of steel and
2 diameters of aluminum wire



ABICOR BINZEL
TIG torch

STANDARDCUT-100-400V DC CUT

PATON StandardCUT-100-400V inverter plasma cutter is intended for the manual cutting of metals and alloys by a plasma arc in an air stream. This device of the Standard series combines high power, ease of use, and small overall dimensions. It is powered by a 400V industrial power supply network, equipped with a plasmatron protection system in case of insufficient air pressure, and a pneumatic system with two valves - for soft ignition of the arc, with reduced metal spatter, and for prolonging the lifespan of plasmatron consumables.



IGBT

TECHNOLOGY



OVERVOLTAGE
PROTECTION



ADAPTIVE
COOLING

3 $\approx$
3x400 50Hz

3 - PHASE
CIRCUIT

2T/4T

TWO-STROKE /
FOUR-STROKE
MODE

STANDARDCUT-100-400V DC CUT

PARAMETERS:

Rated supply mains voltage 50Hz, V

Rated current consumption from the mains phase, A

Rated cutting current, A

Duty cycle

Power supply voltage range, V

Cutting current control range, A

Maximum thickness of metal cut, mm

Operating air pressure range, MPa

Air flow, lpm

Non-contact ignition unit (oscillator)

Pilot arc

No-load voltage, V

Plasma ignition voltage, V

Rated power consumption, kVA

Maximum power consumption, kVA

Efficiency, %

Cooling

Operating temperature range

Overall dimensions (L x W x H), mm

Weight without plasmatron, kg

Protection class

StandardCUT-100-400V

3x400

20

100

50% at 100A / 100% at 70A

360 - 420

35 - 100

35

0,48 - 0,7

not less than 180

+

+

-

270 - 310

13,2

16,5

90

Forced

-25 ... +45°C

560 x 225 x 440

25,8

IP 23

DELIVERY SET StandardTIG-200/250:



Welding cable with
ABICOR BINZEL
«ground» terminal



ABICOR BINZEL
plasmatron



PATON branded
corrugated box



Fitting for quick-release gas
hose

PROCUT -40 DC CUT

PATON ProCUT-40 plasma cutting machine is designed for manual cutting of metals and alloys with a plasma arc in the air stream. This machine of the «Professional» series is powered by 230 single-phase mains, has a big color LCD screen with a multilingual interface, and has an increased duty cycle. A pneumatic ignition system makes it possible to use this machine in the sensitive to electromagnetic vibrations environment



**OVERVOLTAGE
PROTECTION**



**ADAPTIVE
COOLING**



**WORK WITH
WEAK POWER
NETWORKS**

IGBT

TECHNOLOGY

2T/4T

**TWO-STROKE /
FOUR-STROKE
MODE**

**1~
50 60 HZ**

**HOUSEHOLD
CHAIN**

PROCUT -40 DC CUT

PARAMETERS:

	ProCUT-40
Rated supply mains voltage 50Hz, V	230
Rated current consumption from the mains phase, A	30
Rated cutting current, A	40
Duty cycle	70% at 40A / 100% at 33A
Power supply voltage range, V	185 – 250
Cutting current control range, A	15 – 40
Maximum thickness of metal cut, mm	12
Operating air pressure range, MPa	0,5 - 0,55
Air flow, l / min	not less than 135
Plasma ignition voltage, V	270
Rated power consumption, kVA	5,2
Maximum power consumption, kVA	6,6
Efficiency,%	90
Cooling	Adaptive
Overall dimensions, LxWxH, mm	470 x 200 x 320
Weight, kg	11,3
Protection class	IP 23

DELIVERY SET ProCUT-40:



Welding cable with
ABICOR BINZEL
«ground» terminal



Thermacut
plasmatron



PATON branded
corrugated box



Fitting for quick-release gas
hose

CERTIFICATES





The Certificate of ISO 9001 Quality Management System of ATLANTIC



The Laboratory Accreditation Certificate of ISO 17025 of ATLANTIC

APPROVALS:



CCS
中国船级社
China Classification Society



LR
劳氏船级社
Lloyd's Register of Shipping



RIS
船级社
Risch Shipbuilding



DL
德意志船级社
Deutscher Lloyd



BV
必维船级社
Bureau Veritas



DNV
挪威船级社
Det Norske Veritas



NK
日本船级社
Nippon Kaiji Kyokai



RINA
意大利船级社
Riviera Italiana



KR
韩国船级社
Korean Register of Shipping



CWB
中国船级社
China Winding Service



CE
欧洲船级社
European Commission



DB
德国船级社
Deutsche Bureau of



TUV
德国船级社
Technische Universität München

PRODUCTS



SMAW Electrode E6013



MIG/MAG Wire ER 70S-6



FCW E71T - 1C



WELDING



GAS CUTTING



TIG ACCESSORIES



SAFETY ITEMS



GAS APPARATUS



MIG TORCHES

