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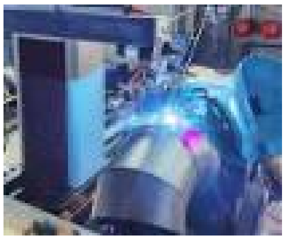


Welding & Cutting Equipment

PRODUCT CATALOGUE

2023

WELD-CUTTER COMBO

CMT 250 Weld-Cutter

5 in 1, Plasma CUT / MIG / HF TIG / Lift-TIG / MMA

Main Features

- 5 in 1, Take one more project with one machine that include MIG, Plasma CUT, HF TIG, Lift-TIG, Stick,
- 4 rollers driver-stable and powerful wire feeding ability, make sure quality MIG welding performance.
- CMT 250 can go where the work is, plus the added convenience of one machine versus two or more, Lightweight & portable - only 15 kg and measuring 530 x 230 x 380 mm.
- Plasma Cutting ability- cuts up to15mm mild steel
- Synergic MIG welding -Simplifies setup by recommending optimal welding parameters for each welding procedure.
- Dependable TIG ignition--provides High-Frequency, non-contact arc starting to eliminate tungsten and material contamination time after time.

Memory Capability - Easily recall saved settings to get welding faster.

CMT 250 Weld-Cutter is the only machine combines multi welding process and plasma cutting function. Highly versatile and portable the CMT250 can be used in the workshop or on-site by contractors, general fabrication, sheet metal, maintenance/repair, rural and general DIY.

Technical Specifications

	CMT250			
Input Power Voltage/Hz	1Phase~AC 230 (±15%) /50-60Hz			
Function	CUT	MIG	TIG	MMA
Rated Input Power (KVA)	6.5	8.1	6.1	7.1
Output Current Range(A)	20~40	30~200	10~200	10~170
Output Voltage Range(V)	88~96	16~24	10.4~18	20.4~26.8
No Load Voltage(V)	270V	72	72	72
Duty Cycle Imax(40℃)	40A@40% 25A@100%	200A@25% 100A@100%	200@35% 118A@100%	170A@20% 76A@100%
Max Cutting Thickness	≤20mm	N/A	N/A	N/A
Rated Cutting Thickness	≤15mm			
Efficiency	85%			
Power Factor	0.7			
Protection Class	IP 21S			
Insulation Class	F			
Size (LxWxH)	550*200*390			
Weight (Kgs)	14.5			

MIG & MULTI PROCESS WELDERS

TitanMig 218 XP,218 XP PFC

Power Factor Correction (PFC)

more welding power, energy, less input current,
Wide voltage input range 110/230V

Main Features

- Professional Multi Process –Double Pulse MIG, Pulse MIG, Fast MIG, DC MIG, TIG, Stick
- Choose either Synergic or Manual model
- LCD interface, easy-to-use visual welding settings
- Use Fe, Ss, Al, FCW wires, 1 kg and 5 kg spools
- Precise weld quality and arc ignition
- Extremely Portable – only 13 kgs

As a stylish high performance machine, TitanMig 218 XP combines synergic double-pulse MIG, Single-Pulse MIG, Fast MIG, DC MIG, TIG, MMA processes in a portable body. With a large graphical interface you can simply set only one parameter, all others will match automatically. You could easily weld mild steel, stainless steel, aluminum and Flux-cored wires. It is most easy use and powerful portable machine ever before.

Technical Specifications

Model/Item	TitanMig 218X			TitanMig 218X PFC					
Input Power Voltage (V)	AC 230V+ 15%			AC 110V+ 15%			AC 230V+1 5%		
	MIG	TIG	MMA	MIG	TIG	MMA	MIG	TIG	MMA
Rated Power Capacity (KVA)	8.1.	6.1.	7.1.	2.3	1	2.4	5.7	3.4	5.4
Current Adjustment Range (A)	20~200	10~170	10~170	20~100	10~85	10~85	20-200	10~170	10~170
Voltage Adjustment Range (V)	15~24	10.4~16.8	20 4~26.8	15~19	10. 4~13.4	20.4~23.4	15~24	10.4~16.8	20.4~6.8
No-load Voltage (V)	72	72	72	72	72	72	72	72	72
Welding Wire Diameter (mm)	0.6/0.8/0.9/1.0			0.6/0.8/0.9/1.0			0.6/0.8/0.9/1.0		
Duty Cycle Imax (40C)	20%	35%	20%	25%	35%	20%	25%	35%	20%
Duty cycle 100% (40C)	89A	118A	76A	50A	50A	38A	100A	100A	76A
Duty cycle 60% (40°C)	115A	1 52A	98A	65A	65A	49A	129A	129A	98A
Effciency (%)	85%			85%					
Power Factor	0.7			0.99					
Protection Class	IP 23			IP 23					
Insulation Class	F			F					
Size (mm) with Handle	550x195x375			550x195x375					
Weight (Kg)	13			13					

TitanMig 238 XP PFC

Power Factor Correction (PFC)
more welding power, energy, less input current, Wide voltage input range 110/230V

Main Features

- Professional Multi Process –Double Pulse MIG, Pulse MIG, Fast MIG, MIG, TIG, Stick
- Choose either Synergic or Manual model
- LCD interface, easy-to-use visual welding settings
- Use Fe, Ss, Al, FCW wires, 15 kg spools
- Precise weld quality and arc ignition
- Extremely Portable – only 15 kgs

As a stylish high performance machine, TitanMig 238 X Pulse combines synergic double-pulse MIG, Single-Pulse Fast MIG, DC MIG, FCW, TIG, MMA processes in a portable body. With a large graphical interface you can simply set only one parameter, all others will match automatically. You could easily weld mild steel, stainless steel, aluminum and Flux-cored wires. It is most easy use and powerful portable machine ever before.

Technical Specifications

Model/Item	TitanMig 238 XP PFC					
Input Power Voltage (V)	AC 110V±15%			AC 230V±1 5%		
	MIG	TIG	MMA	MIG	TIG	MMA
Rated Power Capacity (KVA)	2.6	1.7	2.9	6.8	4.3	6.7
Current Adjustment Range (A)	20~110	10~100	10~100	20~225	10~200	10~200
Voltage Adjustment Range (V)	13~19.5	10.4~14	20.4~24	15~25.3	10.4~18	20.4~28
No-load Voltage (V)	72	72	72	72	72	72
Welding Wire Diameter (mm)	0.6/0.8/0.9/1.0					
Duty Cycle Imax (40C)	35%	40%	25%	25%	30%	20%
Duty cycle 100% (40C)	65A	63A	50A	112A	109A	89A
Duty cycle 60% (40°C)	84A	82A	65A	145A	141A	115A
Effciency (%)	85%					
Power Factor	0.99					
Protection Class	IP 23					
Insulation Class	F					
Size (mm) with Handle	610x210x420					
Weight (Kg)	15					

TitanMig 268iXP, 318iXP, 368iXP, 368iXP-W

Main Features

- Professional Multi Process –Double Pulse MIG, Pulse MIG, FastMIG, MIG, TIG, Stick
- Choose either Synergic or Manual model
- LCD interface, easy-to-use visual welding settings
- Use Fe, Ss, Al, FCW wires, 15 kg spools
- Precise weld quality and arc ignition
- Integrated trolley with cylinder holder
- program upgradable via cable or wireless
- Job/welding parameters setting save and load

The industrial, true multi-process machines that combine power and mobility. These compact and lightweight systems offer flexibility in any fabrication environment. Designed for productivity and reliability, the 4-wheel wire feed system provides high and consistent weld quality regardless of the material being welded. The TitanMig 268/318/368 iXP are the ideal universal welding system capable of running all 1.2 mm solid and flux-cored wires with a high duty cycle.

FRIENDLY INTERFACE

An extremely user-friendly and multilingual TFT display guides for all processes, which make many aspects of welding easier. From learning to use the system to making parameter changes on the fly, everything can be accomplished without removing your gloves.

START PARAMETERS

Automatically adaptive start parameters provide distinct and precise starts every time, regardless of wire type and dimension.

MOBILITY

Weighing in at 31.4 kg, the machine can be lifted manually or transported on a trolley to provide unmatched mobility. POWER A high duty cycle combined with a robust 4-wheel wire feed system offers both high speed and torque, makes it the perfect tool for the most demanding jobs.

INTELLIGENT MIG TECHNOLOGY

The innovative intelligent-MIG feature dynamically monitors the arc characteristics by adapting to your technique, resulting in a smooth, stable arc. Just set wire diameter, material and plate thickness, and you are ready to weld.

PERFORMANCE

Achieve full MMA performance with electrodes up to 5 mm and excellent Lift TIG performance with adjustable pre/post gas flow and weld current ramp up/down.

Technical Specifications

Model/Item	TitanMig 268 iXP	TitanMig 318 iXP	TitanMig 368 iXP	TitanMig 368 iXP-W
Input voltage (V)	AC230±15% (single phase),50/60Hz	AC400V±15%(3 phases),50/60Hz	AC400V±15%(3 phases),50/60Hz	AC400V±15%(3 phases),50/60Hz
Rated input current (A)	55	16	19.4	19.4
Rated power supply capacity (KVA)	12.6	13	14	14
Recommended fuse capacity (A)	70	40	40	40
MMA welding current range (A)	20~250	20~300	20~ 350	20~ 350
MIG current range (A)	20~250	20~ 300	20~ 350	20~ 350
MIG voltage range (V)	11~29	13~32	15~36	15~36
No-load voltage (V)	54	60	60	60
Wire feed speed range(m/min)	1 .5~16	1 .5~16	1 .5~16	1 .5~16
Electrode diameter applicable (mm)	0.6/0.8/0.9/1.0/1.2	0.6/0.8/0.9/1.0/1.2	0.6/0.8/0.9/1.0/1.2	0.6/0.8/0.9/1.0/1.2
Duty cycle Imax (40C)	40%	60%	60%	60%
Duty cycle 100% (40C)	1 58A	232A	271A	271A
Duty cycle 60% (40C)	205A	300A	350A	350A
Efficiency (%)	85	85	85	85
Power factor	0.75	0.93	0.93	0.93
Protection class	IP21S	IP21S	IP21S	IP21S
Insulation class	F	F	F	F
Size (mm)	880x295x616	880x295x616	880x295x616	880x295x850
Weight (Kg)	48	49	52	52

TitanMig130 Syn

DIY for everyone

Main Features

- Gasless MIG & MMA, Shield Gas Welding
- Single Knob Control
- Integrated Wire Feed Units -1kg spools
- Creep Start

TitanMig 130 are the most modern, easy-to-use small inverter MIG Welder. It provides accurate adjustment of the welding parameters reducing the amount of time wasted in the guessing settings!

We have specially configured this machine to be able to produce great welding results from domestic household power.

TitanMig 130 machine is ideal for people who want to do light fabrication, car repairs, automotive restorations, maintenance and repairs or DIY around the home, workshop, worksite, or farm, without compromising on quality or safety.

Technical Specifications

Model/Item	TitanMig 130 Syn
Input Power Voltage (V)	AC230V±15% 50/60HZ
Rated Power Capacity (KVA)	5.7
Current Adjustment Range (A)	10~130
Voltage Adjustment Range (V)	15.5~21
No-load Voltage (V)	55
Welding Wire Diameter (mm)	0.6/0.8/0.9/1.0
Duty Cycle Imax (40℃)	30%
Duty cycle 100% (40℃)	71A
Duty cycle 60% (40℃)	92A
Effciency (%)	85
Power Factor	0.7
Protection Class	Ip21
Insulation Class	F
Noises (db)	<70
Size (mm) with Handle	365x135x277
Weight (Kg)	7.5

TitanMig 160Syn,180 Syn,180 Syn PFC

Main Features

- Gasless MIG & MMA, Shield Gas Welding
- Single Knob Control
- Integrated Wire Feed Units -1kgs/5kgs spools
- Creep Start

TitanMig 160/180 are the most modern, easy-to-use small inverter MIG Welder. It provides accurate adjustment of the welding parameters reducing the amount of time wasted in the guessing settings!

We have specially configured this machine to be able to produce great welding results from domestic household power.

TitanMig 160/180 machine is ideal for people who want to do light fabrication, car repairs, automotive restorations, maintenance and repairs or DIY around the home, workshop, worksite, or farm, without compromising on quality or safety.

Technical Specifications

Model/Item	TitanMig 160Syn Pro	TitanMig 180Syn Pro	TitanMig 180Syn Pro PFC
Input Power Voltage (V)	AC230V±15% 50/60HZ	AC230V±15% 50/60HZ	AC230V±15% 50/60HZ
Rated Power Capacity (KVA)	6	7	5
Current Adjustment Range (A)	10~160	10~180	10~180
Voltage Adjustment Range (V)	15.5~22	15.5~23	15.5~23
No-load Voltage (V)	55	55	72
Welding Wire Diameter (mm)	0.6/0.8/0.9/1.0	0.6/0.8/0.9/1.0	0.6/0.8/0.9/1.0
Duty Cycle Imax (40℃)	30%	30%	30%
Duty cycle 100% (40℃)	88A	98A	98A
Duty cycle 60% (40℃)	114A	128A	128A
Effciency (%)	85	85	85
Power Factor	0.7	0.7	0.99
Protection Class	IP21	IP21	IP21
Insulation Class	F	F	F
Noises (db)	<70	<70	<70
Size (mm) with Handle	550x 195x375	550x 195x375	550x 195x375
Weight (Kg)	7.5	7.5	8

TitanMig 188, 195, 225, 195PFC, 225PFC

Awesome welding ability in a portable way

Main Features

- MIG/MMA
- Stable arc and reliable performance
- Suitable for 0.6 to 1.0mm wires
- Burn back control
- Precise welding quality and arc ignition
- Use with Fe,FeFCW,Ss,Al,CuSi filler wires,
- 1kgs/5kgs spools
- 3 meter torch,cable set
- Suitable for mains network or generator use

Technical Specifications

Model/Item	TitanMig 188	TitanMig 195	TitanMig 225	TitanMig 195 PFC	TitanMig 225PFC
Input Power Voltage (V)	AC230V±15% 50/60HZ				
Rated Power Capacity (KVA)	7.1	7.8	9.4	5.6	7.1
Current Adjustment Range (A)	10~188	10~195	10~225	10~195	10~225
Voltage Adjustment Range (V)	11~23	11~24	11~28	11~24	11~28
No-load Voltage (V)	53	53	53	53	53
Welding Wire Diameter (mm)	0.6/0.8/0.9	0.6/0.8/0.9	0.6/0.8/0.9/1.0	0.6/0.8/0.9	0.6/0.8/0.9/1.0
Duty Cycle Imax (40℃)	15%	25 %	30 %	25 %	30 %
Duty cycle 100% (40℃)	65A	95A	125A	95A	125A
Duty cycle 60% (40℃)	90A	120A	155A	120A	155A
Effciency (%)	85	85	85	85	85
Power Factor	0.7	0.7	0.7	0.99	0.99
Protection Class	IP21	IP21	IP21	IP21	IP21
Insulation Class	F	F	F	F	F
Noises (db)	<70	<70	< 80	<70	< 80
Size (mm) with Handle	550x 195x375	550x195x375	550x195x375	550x195x375	550x195x375
Weight (Kg)	12.5	12.5	12.5	12.5	12.5

TitanMig 195Syn, 225Syn, 195Syn PFC, 225Syn PFC

Awesome welding ability in a portable way

Energy efficient

1 Phase

CV CC

Main Features

- MIG/MMA /TIG
- Choose either Manual or Synergic model
- Stable arc and reliable performance
- Suitable for 0.6 to 1.0mm wires
- Burn back control
- Precise welding quality and arc ignition
- Use with Fe,FeFCW,Ss,Al,CuSi filler wires,
- 1kgs/5kgs spools for TitanMig 188/195/225(Syn)
- 3 meter torch,cable set
- Suitable for mains network or generator use
- Synergic programs for 0.8 / 1.0 or 0.8/0.9 Mild Steel(195/225 Syn)

Why TitanMig 195/225 Syn(PFC)

TitanMig195/225Syn combines finest MIG/MAG welding perfomance into their portable, compact size. Choose from either 225 A or 195 A models, delivering their welding power at 25 % duty cycle from 1-phase mains supply. TitanMig delivers premium results wherever your work takes you.

The TitanMig 195/225 Syn features Synergic Set welding with four Synergic Mild Steel welding programs for 0.8mm and 1.0(0.9) solid welding wires designed for ease of use with your selected gas mixture.res designed for ease of use with your selected gas mixture.

Technical Specifications

Model/Item	TitanMig 195 Syn	TitanMig 225 Syn	TitanMig 195 SynPFC	TitanMig 225Syn PFC
Input Power Voltage (V)	AC230V±15% 50/60HZ			
Rated Power Capacity (KVA)	7.8	9.4	5.6	7.1
Current Adjustment Range (A)	10~195	10~225	10~195	10~225
Voltage Adjustment Range (V)	11~27	11~28	11~27	11~28
No-load Voltage (V)	53	53	53	53
Welding Wire Diameter (mm)	0.6/0.8/0.9	0.6/0.8/0.9/1.0	0.6/0.8/0.9	0.6/0.8/0.9/1.0
Duty Cycle Imax (40℃)	25 %	30 %	25 %	30 %
Duty cycle 100% (40℃)	95A	125A	95A	125A
Duty cycle 60% (40℃)	120A	155A	120A	155A
Effciency (%)	85	85	85	85
Power Factor	0.7	0.7	0.99	0.99
Protection Class	IP21	IP21	IP21	IP21
Insulation Class	F	F	F	F
Noises (db)	<70	< 80	<70	< 80
Size (mm) with Handle	550x195x375	550x195x375	550x195x375	550x195x375
Weight (Kg)	12.5	12.5	12.5	12.5

TitanMig 235Syn PFC

Awesome welding ability in a portable way

Main Features

- MIG/MMA /TIG
- Choose either Manual or Synergic model
- Stable arc and reliable performance
- Suitable for 0.6 to 1.0mm wires
- Burn back control
- Precise welding quality and arc ignition
- Use with Fe,FeFCW,Ss,Al,CuSi filler wires,
- 1kgs/5kgs spools for TitanMig 188/195/225(Syn)
- 3 meter torch,cable set
- Suitable for mains network or generator use
- Synergic programs for 0.8 / 1.0 or 0.8/0.9 Mild Steel

Why TitanMig 235 Syn PFC

TitanMig235 Syn PFC combines finest MIG/MAG welding perfomance into their portable, compact size, delivering their welding power at 25 % duty cycle from 1-phase mains supply. TitanMig delivers premium results wherever your work takes you.

TitanMig235 Syn PFC features Synergic Set welding with four Synergic Mild Steel welding programs for 0.8mm and 1.0(0.9) solid welding wires designed for ease of use with your selected gas mixture.

Technical Specifications

Model/Item	TitanMig 235 Syn PFC					
Input Power Voltage (V)	AC 110V±15%			AC 230V±1 5%		
	MIG	TIG	MMA	MIG	TIG	MMA
Rated Power Capacity (KVA)	2.6	1.7	2.9	6.8	4.3	6.7
Current Adjustment Range (A)	20~110	10~100	10~100	20~225	10~200	10~200
Voltage Adjustment Range (V)	13~19.5	10.4~14	20.4~24	15~25.3	10.4~18	20.4~28
No-load Voltage (V)	72	72	72	72	72	72
Welding Wire Diameter (mm)	0.6/0.8/0.9/1.0			0.6/0.8/0.9/1.0		
Duty Cycle Imax (40C)	35%	40%	25%	25%	30%	20%
Duty cycle 100% (40C)	65A	63A	50A	112A	109A	89A
Duty cycle 60% (40°C)	84A	82A	65A	145A	141A	115A
Effciency (%)	85%			85%		
Power Factor	0.99			0.99		
Protection Class	IP 23			IP 23		
Insulation Class	F			F		
Size (mm) with Handle	610x210x420			610x210x420		
Weight (Kg)	15			15		

TitanMig 250MC,350MC

Multi Process- Combine cost advantage, mobile and excellent performance

Main Features

- Multi Process- Mig/Tig/MMA
- Basic MIG/MAG model
- Innovative IGBT Inverter Technology
- Excellent arc stability for MIG/TIG/MMA welding
- Minimal spatters
- 4-roll wire drive system
- Maximum output at 40 % duty cycle
- Spool gun interface

Why TitanMig 250/350MC series

TitanMig 250/350 MC is professional multi-process welding machine but easy to move. It has excellent welding performance for a multitude of welding tasks. The TitanMig 250/350MC are designed for demanding professional use in Steels, Stainless, Cast Iron, Bronze, Aluminum.

With an integrated 4 roll gear driven wire feeder and unique control mode, TitanMig 250/350MC provides excellent reliability with a high duty cycle. It's precise control of voltage and wire speed allows arc tuning during the weld process, Excellent arc ignition assisted by burn back time technology guarantee satisfaction.

Technical Specifications

Model/Item	TitanMig 250MC	TitanMig 350MC
Input voltage (V)	AC230 ± 15% (single phase) , 50/60Hz	AC400V ± 15%(3 phases) , 50/60Hz
Rated input current (A)	55	19.4
Rated power supply capacity (KVA)	12.6	14
Recommended fuse capacity (A)	70	40
MMA welding current range (A)	10~250	10~350
MIG current range (A)	30~250	30~350
MIG voltage range (V)	11~28	15~33
No-load voltage (V)	54	60
Wire feed speed range(m/min)	1.5~18	1.5~18
Electrode diameter applicable (mm)	0.6/0.8/0.9/1.0/1.2	0.6/0.8/0.9/1.0/1.2
Duty cycle Imax (40℃)	40%	60%
Duty cycle 100% (40℃)	158A	272A
Duty cycle 60% (40℃)	205A	350A
Efficiency (%)	85	85
Power factor	0.75	0.93
Protection class	IP21S	IP21S
Insulation class	F	F
Size (mm)	880x295x616	880x295x616
Weight (Kg)	48	52

TitanMig 250,350,500

All in one: Flexible, Quality and Value Price

Integrated Multi-process and perfect welding performance into compact lean dimensions and lightweight, increasing productivity and work site mobility. Precise arc performance suits environments where quality matters, and 15 % more power efficiency over conventional designs will please every user.

TitanMig range is the perfect alternative to traditional stepswitch designs. New control technology ensures excellent arc ignition and welding performance, so you spend more time welding and less time cleaning weld spatter. Choose from 250/350/500 amp power source models, plus impact resistant, plastic panel wire feeder for 300 mm wire spools.

Why TitanMig

- Easy to use
- Multi Process
- Efficient and productive
- Light and Durable
- Low power consumption
- Precise electronic control
- Quality welding performance
- Practical, Stylish design
- Flexible and Multi functions
- Distance wire feeding options

Applications

- Metal fabrication workshops
- Steel structure workshops
- Shipyards and offshore industry
- Repair and maintenance

Energy efficient

TitanMig key features:

- MIG/Flux-Cored /MMA/Lift Arc TIG Inverter
- Digital amp and voltmeter
- Precise electronic control
- Burn back control & wire inching
- Suitable for 0.6, 0.8, 1.0 and 1.2mm wire
- 2T/4T MMA function
- Power & status LED
- Gas check function
- Variable inductance
- V.R.D safe for MMA and TIG
- Long distance welding up to 50 meters

The TitanMig range of products offers perfect welding power for basic MIG/MAG welding in heavy and medium heavy industry. The selection of three power sources, wire feeder and other product options allows creating suitable welding equipment combinations for various needs.

With its durable and lightweight construction TitanMig makes an ideal companion for demanding welding conditions, and its stepless control and digital display put ease of use and the expert experience of welding within the reach of every workshop.

Power Sources

The TitanMig selection includes

250-,350-, and 500-ampere power sources, all of which are effective yet light and compact devices. The energy consumption is 15% lower than that of switch-operated power sources with the same output.

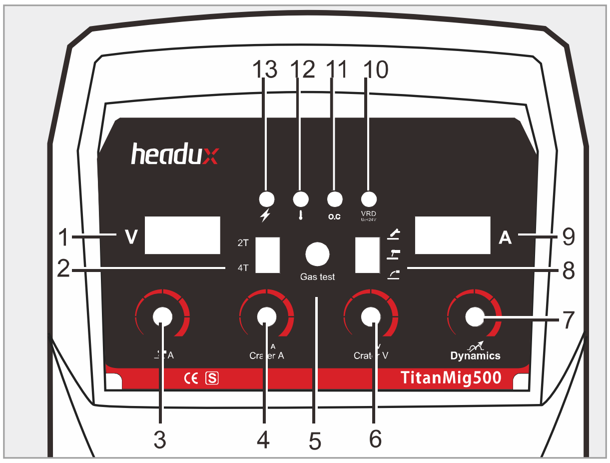
Wire Feeders

The HF10 wire feeders are designed for demanding welding conditions. The recyclable, double-skinned plastic casing is strong and elegant, and the reliable wire feed mechanism ensures a smooth and undisturbed wire feed.

Other Options

The TitanCooler 10 water cooling unit can be used for providing effective cooling of MIG/MAG welding guns.

The HMT 500 Trolley makes it easy for you to handle and move around the welding equipment.



1) Voltage Meter
2) 2T/4T Switch
3) MMA Current Knob
4) Crater Fill Current Knob
5) Gas Test Button
6) Crater Fill Voltage Knob
7) Arc Dynamics Adjust Knob
8) MMA/TIG/MIG Switch
9) Current Meter
10) VRD Indicator Light
11) Over Current Indicator Light
12) Thermal Overload Indicator Light
13) Power Indicator Light

Technical Specifications

Model/Item	TitanMig 250	TitanMig 350	TitanMig 500
Input voltage (V)	AC230 ± 15% (single phase) , 50/60Hz	AC400V ± 15%(3 phases) , 50/60Hz	
Rated input current (A)	55	19.4	34
Rated power supply capacity (KVA)	12.6	14	24.7
Recommended fuse capacity (A)	70	40	60
MMA welding current range (A)	10 ~250	20~350	20~500
MIG current range (A)	20 ~250	50~350	50~500
MIG voltage range (V)	11 ~29	15~36	15~48
No–load voltage (V)	54	60	75
Wire feed speed range(m/min)	1.5 ~ 16	1.5~16	1.5~18
Electrode diameter applicable (mm)	0.6/0.8/0.9 /1.0	0.8/1.0/1.2	1.0/1.2/1.6
Duty cycle Imax (40℃)	35%	40%	60%
Duty cycle 100% (40℃)	150A	220A	390A
Duty cycle 60% (40℃)	190A	280A	500A
Efficiency (%)	85	85	85
Power factor	0.75	0.93	0.93
Protection class	IP21S	IP21S	IP21S
Insulation class	F	F	F
Size (mm)	685x295x560	685x295x560	685x295x560
Weight (Kg)	26	32	35

TitanMig 350KB ,500KB

Awesome welding ability in a portable way

Main Features

- Easy operation

Basic Knob oepration for for the heaviest industrial conditions.

- Fully digital inverter

Managed by the high speed micro processor, it provides you with perfect arc control, improved droplet detachment and controlled ignition properties.

- Excellent Welding Performance

Stable dip-transfer arc process, Low-spatter, Fast welding process.

- High Welding Speed and Efficiency

With Headux patented control software, it helps the users save time on setup of machine and increase the productivity

Technical Specifications

Model/Item	TitanMig 350KB	TitanMig 500KB
Input voltage(A)	3P~380(±25%,)50-60Hz	3P~380(±25%,)50-60Hz
Rated input power(KVA)	15	24
Input Current	22.8	37
Rated output voltage(V)	12-38	12-45
Welding Range(A)	30-350	30-500
Open circuit voltage	70	70
Output 40℃	60%	60%
Duty cycle 100%,40℃	275	390
Wire feed speed(m/min)	2~24	0-25
Wire diameter(mm)	0.8/1.0/1.2	1.0/1.2/1.6
Arc adjustment	-9 soft to +9 hard (default 0)	-9 soft to +9 hard (default 0)
Cool way	Gas(optional water cooling)	Gas(optional water cooling)
Efficiency at 100 % ED	87	87
Power factor at 100%ED	0.9	0.9
Degree of Protection	IP23	IP23
Insulation Class	F	F
Dimensions LWH(mm)	685x300x560	685x300x560
Weight(kg)	48	52
other version	Robtics	Robtics

TitanMig 350Syn,500 Syn

Main Features

- Synergic MIG program

Step by step, easy Setup, suitable for the heaviest industrial conditions.

- Fully digital synergic inverter

Managed by the high speed micro processor, it provides you with perfect arc control, improved droplet detachment and controlled ignition properties.

- Excellent Welding Performance

Stable dip-transfer arc process, Low-spatter, Fast welding process.

- High Welding Speed and Efficiency

With Headux patented control software, it helps the users save time on setup of machine and increase the productivity

- User Friendly

Simple interface, Easy to access as well as quick and easy parameter configuration, system operation

Intelligent power sources with synergic and pulsed MIG/MAG and stick (MMA) welding process.

Technical Specifications

Model/Item	TitanMig 350Syn	TitanMig 500Syn
Input voltage(A)	3P~380(±25%,)50-60Hz	3P~380(±25%,)50-60Hz
Rated input power(KVA)	15	24
Input Current	22.8	37
Rated output voltage(V)	12~38	12~45
Welding Range(A)	30~350	30~500
Open circuit voltage	70	70
Output 40℃	60%	60%
Duty cycle 100%,40℃	275	390
Wire feed speed(m/min)	2~24	2~24
Wire diameter(mm)	0.8/1.0/1.2	1.0/1.2/1.6
Arc adjustment	-9 soft to +9 hard (default 0)	-9 soft to +9 hard (default 0)
Cool way	Gas(optional water cooling)	Gas(optional water cooling)
Efficiency at 100 % ED	87	87
Power factor at 100%ED	0.9	0.9
Degree of Protection	IP23	IP23
Insulation Class	F	F
Dimensions LWH(mm)	685x300x560	685x300x560
Weight(kg)	48	52
other version	Robtics	Robtics

TitanMig 350S,350SL,350SP

Main Features

- Designed for thin steel sheet, low heat output
- Fully digital synergic inverter

Managed by the high speed micro processor, it provides you with perfect arc control, improved droplet detachment and controlled ignition properties.

- Excellent Welding Performance

Stable dip-transfer arc process, Low-spatter, Fast welding process.

- High Welding Speed and Efficiency

With Headux patented control software, it helps the users save time on setup of machine and increase the productivity

- User Friendly

Simple interface, Easy to access as well as quick and easy parameter configuration, system operation

- Intelligent power sources with synergic and pulsed MIG/MAG and stick (MMA) welding process.

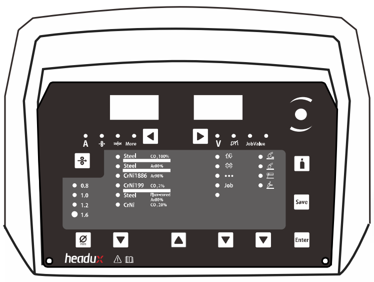
TitanMig 350S, Low Heat Output
TitanMig 350 SL—Low Heat Output, Low Spatter
TitanMig 350SP—Low Heat Output, Low Spatter, Pulse Welding for Steel& Stainless Steel

Technical Specifications

Model/Item	TitanMig 350S	TitanMig 350SL	TitanMig350SP
Input voltage(A)	3P~380(±25%,)50-60Hz	3P~380(±25%,)50-60Hz	3P~380(±25%,)50-60Hz
Rated input power(KVA)	15	15	15
Input Current	22.8	22.8	22.8
Rated output voltage(V)	12~38	12~38	12~38
Welding Range(A)	30~350	30~350	30~350
Open circuit voltage	70	70	70
Output 40℃	60%	60%	60%
Duty cycle 100%,40℃	275	275	275
Wire feed speed(m/min)	2~24	2~24	2~24
Wire diameter(mm)	0.8/1.0/1.2	0.8/1.0/1.2	0.8/1.0/1.2
Arc adjustment	-9 soft to +9 hard (default 0)	-9 soft to +9 hard (default 0)	-9 soft to +9 hard (default 0)
Cool way	Gas(optional water cooling)	Gas(optional water cooling)	Gas(optional water cooling)
Efficiency at 100 % ED	87	87	87
Power factor at 100%ED	0.9	0.9	0.9
Degree of Protection	IP23	IP23	IP23
Insulation Class	F	F	F
Dimensions LWH(mm)	685x300x560	685x300x560	685x300x560
Weight(kg)	48	48	48
other version	Robtics	Robtics	Robtics

TitanMig X4 Syn, X5 Syn

New generation of digital Welder Brilliant in every way



Main Features

Fully digital synergic inverter, Precise wire feeding system

- Synergic MIG program

Step by step, easy Setup, suitable for the heaviest industrial conditions.

- Fully digital synergic inverter

Managed by the high speed micro processor, it provides you with perfect arc control, improved droplet detachment and controlled ignition properties.

- Excellent Welding Performance

Stable dip-transfer arc process, Low-spatter, Fast welding process.

- High Welding Speed and Efficiency

With Headux patented control software, it helps the users save time on setup of machine and increase the productivity

- User Friendly

Simple interface, Easy to access as well as quick and easy parameter configuration, system operation

Intelligent power sources with synergic and MIG/MAG and stick (MMA) welding process.

The TitanMig X series are intelligent power sources with synergic and pulsed MIG/MAG and stick (MMA) welding process. Managed by the high speed micro processor, they provide you with perfect arc control, improved droplet detachment and controlled ignition properties. TitanMig X series bring added value for customers by significantly improving welding speed, boosting production efficiency, and enabling the same equipment to be used for a variety of welding tasks. TianMig X series make the welding process more precise and reduce spattering in the dip transfer arc process.

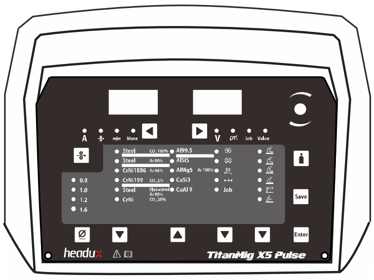
As upgradeable power sources, TitanMig X series could meet the most extreme expectations of individual welding and provide supreme usability based on actual field application.

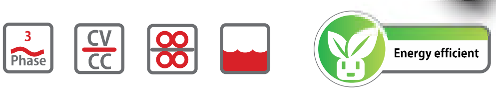
Technical Specifications

Model/Item	TitanMig X4 Syn	TitanMig X5 Syn
Input voltage(A)	3P~380(±25%,)50-60Hz	3P~380(±25%,)50-60Hz
Rated input power(KVA)	15	24
Input Current	22.8	37
Rated output voltage(V)	12~38	12~45
Welding Range(A)	30~350	30~500
Open circuit voltage	70	70
Output 40℃	60%	60%
Duty cycle 100%,40℃	275	390
Wire feed speed(m/min)	2~24	2~24
Wire diameter(mm)	0.8/1.0/1.2	1.0/1.2/1.6
Arc adjustment	-9 soft to +9 hard (default 0)	-9 soft to +9 hard (default 0)
Cool way	Gas(optional water cooling)	Gas(optional water cooling)
Efficiency at 100 % ED	87	87
Power factor at 100%ED	0.9	0.9
Degree of Protection	IP23	IP23
Insulation Class	F	F
Dimensions LWH(mm)	685x300x560	685x300x560
Weight(kg)	48	52
other version	Robtics	Robtics

TitanMig X4 Pulse,X5 Pulse

New generation of digital Welder Brilliant in every way





Main Features

Fully digital synergic inverter, Precise wire feeding system

- Synergic MIG & Pulse MIG program

Step by step, easy Setup, suitable for the heaviest industrial conditions.

- Fully digital synergic inverter

Managed by the high speed micro processor, it provides you with perfect arc control, improved droplet detachment and controlled ignition properties.

- Excellent Welding Performance

Stable dip-transfer arc process, Low-spatter, Fast welding process.

- High Welding Speed and Efficiency

With Headux patented control software, it helps the users save time on setup of machine and increase the productivity

- User Friendly

Simple interface, Easy to access as well as quick and easy parameter configuration, system operation

Intelligent power sources with synergic and MIG/MAG and stick (MMA) welding process.

The TitanMig X series are intelligent power sources with synergic and pulsed MIG/MAG and stick (MMA) welding process. Managed by the high speed micro processor, they provide you with perfect arc control, improved droplet detachment and controlled ignition properties. TitanMig X series bring added value for customers by significantly improving welding speed, boosting production efficiency, and enabling the same equipment to be used for a variety of welding tasks. TianMig X series make the welding process more precise and reduce spattering in the dip transfer arc process.

As upgradeable power sources, TitanMig X series could meet the most extreme expectations of individual welding and provide supreme usability based on actual field application.

Technical Specifications

Model/Item	TitanMig X4 Pulse	TitanMig X5 Pulse
Input voltage(A)	3P~380(±25%,)50-60Hz	3P~380(±25%,)50-60Hz
Rated input power(KVA)	15	24
Input Current	22.8	37
Rated output voltage(V)	12~38	12~48
Welding Range(A)	30~350	30~500
Open circuit voltage	70	70
Output 40℃	60%	60%
Duty cycle 100%,40℃	275	390
Wire feed speed(m/min)	2~24	2~24
Wire diameter(mm)	0.8/1.0/1.2	1.0/1.2/1.6
Arc adjustment	-9 soft to +9 hard (default 0)	-9 soft to +9 hard (default 0)
Cool way	Gas(optional water cooling)	Gas(optional water cooling)
Efficiency at 100 % ED	87	87
Power factor at 100%ED	0.9	0.9
Degree of Protection	IP23	IP23
Insulation Class	F	F
Dimensions LWH(mm)	685x300x560	685x300x560
Weight(kg)	48	52
other version	Robtics	Robtics

TIG WELDERS

TitanTig 180, 200

Perfect TIG welding performance from compact size

Main Features

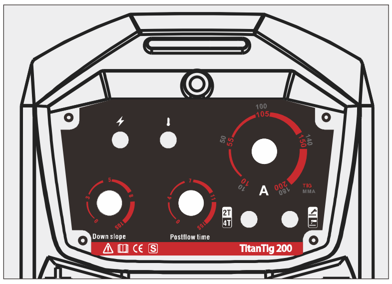
Energy efficient

1 Phase CC DC

- DC TIG / MMA
- Smooth welding quality
- Hot start, lift arc, HF arc ignition, 2T/4T
- Down slope & post flow
- High frequency inverter, high-efficiency
- Compact size, lightweight and modern design
- Refined arc ignition, stable and reliable arc
- Auto-compensation for voltage fluctuation
- Mains network or generator use

TitanTig180/200 is just what you'd expect from a high quality TIG welding machine. Accurate and refined HF ignition and the necessary control, power and work capacity to reliably complete a variety of professional welding tasks. TitanTig180/200 is the ideal DC TIG welding solution for light industrial manufacturing, installation, repair and maintenance applications. The lightweight and compact size is a real perfect tool for welding professionals on the move.

The design combines useful performance advantages, including excellent energy efficiency and the ability to reliably perform on long distance. TitanTig180/200 models feature a range of functions including post gas time control, slope current time controls. It is a dual-process machine that also provides quality MMA welding for a range of DC electrode types

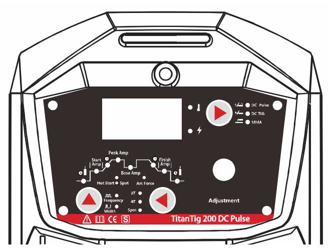


Technical Specifications

Model/Item	TitanTig 180		TitanTig 200	
Input Power Voltage (V)	Ac230±15% , 50-60Hz		Ac230±15% , 50-60Hz	
Rated Power Capacity (KVA)	7.1 (MMA)	5.2 (TIG)	8.2 (MMA)	6 (TIG)
Current Adjustment Range (A)	10~160 (MMA)	10~180 (TIG)	10~180 (MMA)	10~200 (TIG)
Voltage Adjustment Range (V)	20.4~26.4(MMA)	10.4~17.2 (TIG)	20.4~26.4(MMA)	10.4~18 (TIG)
No-load Voltage (V)	60 (MMA)	65 (TIG)	60 (MMA)	65 (TIG)
Down-slop Time (S)	0~10		0~10	
Duty Cycle Imax (40℃)	35		35	
Duty cycle 100% (40℃)	106A		118A	
Duty cycle 60% (40℃)	134A		152A	
Effciency (%)	85		85	
Power Factor	0.7		0.7	
Protection Class	IP21s		IP21s	
Insulation Class	F		F	
Noises (db)	<70		< 70	
Size (mm) with Handle	365x135x277		365x135x277	
Weight (Kg)	5.94		6.12	

TitanTig 200 DC Pulse

Powerful in a simple way



Main Features

- **Multiple Mode**
  MMA/LIFT TIG/HF TIG.
- **Protections**
  Equipped with temperature, voltage and current sensors for high protection.
- **Up/Down Slope**
  Selectable Up/Down Slope Time.
- **Pre/Post Flow**
  Selectable Pre/Post Flow Time.
- **Pulse**
  High performance on ultra thin surfaces with no deformation
- **Generator friendly**
  Designed to work with diesel generators and to avoid failures due to its voltage spikes.

TitanTig 200 DC Pulse is the ideal dual-process, providing an impressive DC TIG and MMA welding experience for installation, repair and maintenance applications. It suits high quality work and the lightweight and compact size is a real bonus for professionals on the move around site.

TitanTig 200 DC Pulse is an Digital Controlled DC TIG welding machine with HF arc ignition and pulse capability. It allows full parameter setting of Peak Current, Base Current, Pulse Frequency and Pulse Width, allowing to manipulate the heat input to the work, control penetration and minimise distortion.

TitanTig 200 DC Pulse i feature a range of functions including pre and post gas time control, slope current time controls and remote control options. The unique Torch Remote Control Interface provides remote amperage control from the torch in both static and live welding modes.

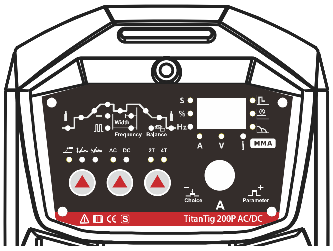
Technical Specifications

Model/Item	TitanTig 200 DC Pulse	
Power Supply Voltage V	1~220/230/240±10%	
Rated Input Power KW	TIG 6	MMA 8.2
Rated Input Current A	TIG 27	MMA 36
Duty Cycle 40℃ 10min	35% 200A	
	60% 152A	
	100% 118A	
No Load Voltage V	59V	
Welding Current Range A	5~200	
Net Weight kg	5.5	
Dimensions mm	410x146x278	
Up Slope/Down Slope	0~10	
Pre/Post FLow	0~2/0~10	
Pulse Fre.	0.5~200	
Pulse Width Range	5%~95%	
Power Factor	0.75	
Fre.	50/60	
Efficiency	≥85%	
Insulation Class	H	
Protection Class	IP23	
Cooling	FAN	

TitanTig 200 PACDC

Main Features

- High success rate of striking arc
- Generator Friendly
- MCU Control System
- Smart Knob Operation
- Easy and intuitive parameter selection with Smart Knob



Why TitanTig 200P AC/DC

AC/DC Technology

Allows for any input voltage , providing convenience to any job setting

AC Balance Control

AC balance (30~80%) control monitors the oxide and helps better cleaning during aluminum welding

Protections Equipped with temperature, voltage and current sensors for high protection

Technical Specifications

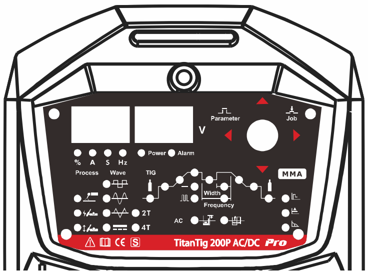
	TitanTig 200P AC/DC	
Power Supply Voltage (V)	1~220/230/240±10%	
Fre. (HZ)	50/60	
Rated Input Power (KW)	4.3(TIG) 6.2(MMA)AC	3.7(TIG) 5.7(MMA) DC
Rated Input Current (A)	30(TIG) 42(MMA0 AC	28(TIG) 38(MMA0 DC
Duty Cycle (40℃)	200A@35%(AC)	170A@40%(DC)
	155A@60% / 120A@100% (AC)	140A@60% / 110A@100%(DC)
No Load Voltage (V)	66	
Welding Current Range (A)	10~200(AC)	10~170(DC)
UP slope/Down slope Flow (S)	0~10	
Pre/Post Flow(S)	1~10	
Pulse frequency (HZ)	0.5~200	
AC frequency (HZ)	50~250	
Pulse width range (%)	5~95	
Clearance effect(AC TIG)	15~50	
Efficiency (%)	≥85	
Net Weight (kg)	10	
Dimensions (mm)	420*135*250	
Protection Class	IP23	
Insulation Class	H	
Cooling	AF	

TitanTig 200 PACDC Pro

Smooth welding that takes everything to the edge

Main Features

- High success rate of striking arc
- Generator Friendly
- MCU Control System
- Smart Knob Operation
- Easy and intuitive parameter selection with Smart Knob
- Wireless Remote Control



Why TitanTig 200P AC/DC Pro

AC/DC Technology

Allows for any input voltage , providing convenience to any job setting

Multi-Waveform Output (Pro)

AC waveforms include square wave, sine wave, triangular wave and trapezoidal wave

AC Balance Control

AC balance (30~80%) control monitors the oxide and helps better cleaning during aluminum welding

Protections Equipped with temperature, voltage and current sensors for high protection

Technical Specifications

	TitanTig 200P AC/DC Pro	
Power Supply Voltage (V)	1~220/230/240±10%	
Fre. (HZ)	50/60	
Rated Input Power (KW)	4.3(TIG) 6.2(MMA)AC	3.7(TIG) 5.7(MMA) DC
Rated Input Current (A)	30(TIG) 42(MMA0 AC	28(TIG) 38(MMA0 DC
Duty Cycle (40°C)	200A@35%(AC)	170A@40%(DC)
	155A@60% / 120A@100% (AC)	140A@60% / 110A@100%(DC)
No Load Voltage (V)	66	
Welding Current Range (A)	5~200(AC)	5~170(DC)
UP slope/Down slope Flow (S)	0~10	
Pre/Post Flow(S)	1~10	
Pulse frequency (HZ)	0.5~999	
AC frequency (HZ)	50~250	
Pulse width range (%)	5~95	
Clearance effect(AC TIG)	15~50	
Efficiency (%)	≥85	
Net Weight (kg)	10	
Dimensions (mm)	420*135*250	
Protection Class	IP23	
Insulation Class	H	
Cooling	AF	

TitanTig 320,400,500 DC Pulse

Finest DC Tig for industrial application

Main Features

- **Pre/Post Flow**

Selectable Pre/Post Slope Time.

- **Up/Down Slope**

Selectable Up/Down Slope Time.

- **Multiple Mode**

MMA/LIFT TIG/HF TIG.

- **Pulse**

High performance on ultra thin surfaces with no deformation.

- **Protections**

Equipped with temperature, voltage and current sensors for high protection.

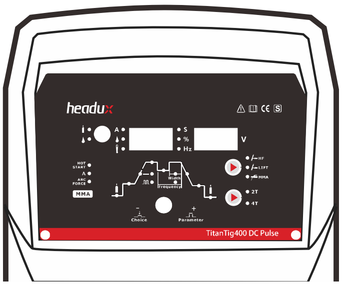
- **Heavy duty**

High duty cycle for industrial applications.

- **Accessories**

Optional trolley and water cooling unit.

Parameters



Technical Specifications

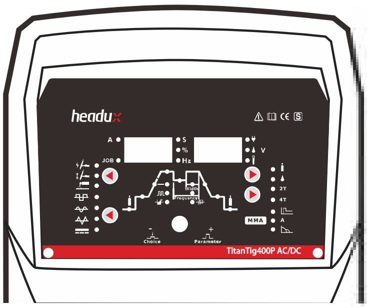
Model/Item	TitanTig 320 DC Pulse	TitanTig 400 DC Pulse	TitanTig 500 DC Pulse
Power Supply Voltage V	3~400 ±10%	3~400 ±10%	3~400 ±10%
Fre.(HZ)	50/60	50/60	50/60
Rated Input Power (KW)	9.5(TIG) / 11.5(MMA)	13(TIG) / 15.5(MMA)	18(TIG)/24(MMA)
Rated input current(A)	19(TIG) / 23(MMA)	25.5(TIG) / 31.5(MMA)	27.4(TIG)/36.5(MMA)
Duty Cycle(40℃ 10Min)	60% 320A 100% 250A	60% 400A 100% 310A	40%500A 100%316A
No Load Voltage(V	68	68	68
Welding Current Range(A)	10~320	10~400	10~500
Up Slope/Down Slope Time(S)	0~10	0~10	0~10
Pre/Post Flow(S)	0~2/ 0~10	0~2/ 0~10	0~2/ 0~10
Pulse Fre.(HZ)	0.5~999	0.5~999	0.5~999
Pulse width range(%)	5~95	5~95	5~95
Efficiency	≥85%	≥85%	≥85%
Net Weight(Kg)	20.0	20.5	20.5
Dimensions(mm)	685x295x560	685x295x560	685x295x560
Electrode Diamerter(mm)			
Electrode Type			
power factor	0.93	0.93	0.93
Insulation Class	ClassH	ClassH	ClassH
Protection Class	ClassIP23	ClassIP23	ClassIP23
Cooling	AF	AF	AF

TitanTig 320PACDC , 400 PACDC

Powerful ACDC TIG equipment for professional demand

Main Features

- **Multiple Mode**
  MMA/LIFT TIG/HF TIG.
- **Protections**
  Equipped with temperature, voltage and current sensors for high protection.
- **Up/Down Slope**
  Selectable Up/Down Slope Time.
- **Pre/Post Flow**
  Selectable Pre/Post Slope Time.
- **Pulse**
  High performance on ultra thin surfaces with no deformation.
- **Heavy duty**
  High duty cycle for industrial applications.
- **Accessories**
  Optional trolley and water cooling unit.



Technical Specifications

Model/Item	TitanTig 320 AC/DC		TitanTig 400 AC/DC	
Power Supply Voltage V	3~400±10%		3~400±10%	
Rated Input Power KW	TIG 9.5	MMA 12	TIG12.1	MMA 18.5
Rated Input Current A	TIG 15.5	MMA 24	TIG 24.5	MMA 33
Duty Cycle 40℃ 10 min	60%320A	100%250A	60%400A	100%310A
No Load Voltage V	50		50	
Welding Current Range A	10~320		10~400	
PowerFactor	0.93		0.93	
Efficiency	≥85		≥85	
Cooling	AF		AF	
Insulation Class	H		H	
Protection Class	IP23		IP23	
Up Slope Down Slope S	0~10		0~10	
Pre/Post Flow S	0~2/0~10		0~2/0~10	
Pulse Fre Hz	0.5~999		0.5~999	
Pulse Width Range %	5~95		5~95	
AC Fre. Hz	50~250		50~250	
Net Weight Kg	25.5		27	
Dimensions mm	685x295x560		685x295x560	

STICK WELDERS

TitanArc 140 Pro,160 Pro,180 Pro,200 Pro

Heavy duty in a mini body.

Main Features

- Premium welding performance
- Self adaptive arc force, VRD
- Auto-compensation for voltage fluctuation
- High current output and dutycycle
- Lightweight and portable
- Precise lift TIG echnology
- Mains network or generator use

Energy efficient

1 Phase

CC

Why TitanArc Welder

Premium welding performance is based on Headux know how knowledge on welding. TitanArc Series are designed to meet the needs of professional welders on mobile usage, with size, weight and welding quality are perfect combined. It is ideal welder for site use, you can use TitanArc welder from mains or generator power supplies. TitanArc welders are easy to carry, so you can take everything you need in a simple way.
Auto-compensation for voltage fluctuation and automatic arc force control provide excellent arc stability in all welding positions and for a wide range of electrode types, making sure you have quality welding results all the time. Precise lift TIG ignition ensures high quality DC TIG welding.

Technical Specifications

Model/Item	TitanArc 140 Pro	TitanArc160 Pro	TitanArc 180 Pro	TitanArc 200 Pro
Rated Input Voltage (V)		AC230V±15% 50/60HZ		
Rated Input Power (KVA)	6	7.1	8	9.4
Rated Input Current (A)	27.4	31	35	42.8
Raed Output	140A/25.6V	160A/26.4V	180A/27.2V	200A/28V
Output Current Range (A)	10~140A	10~160A	10~180A	10~200A
No-load Voltage (A)	67	70	70	75
Duty Cycle Imax	30% / 40℃	30% / 40℃	30% / 40℃	35% / 40℃
Duty cycle 100% (40℃)	77A	88A	100A	120A
Duty cycle 60% (40℃)	100A	113A	130A	152A
Efficiency (%)	85	85	85	85
Power Factor	0.70	0.70	0.70	0.70
Protection Class	IP21	IP21	IP21	IP21
Insulation Class	F	F	F	F
Size (mm) Without Handle	313x130x206	313x130x206	313x130x206	351x130x206
Size (mm) With Handle	313x130x250	313x130x250	313x130x250	351x130x250
Weight (Kg)	4.7	4.7	4.7	5.2

TitanArc 160PFC, 200 PFC

More powerful, More versatile, Extremely efficient

Main Features

- **PFC Technology**
  Power factor more than 0.99.Multiple advantages such as energy saving and wider input voltage.
- **Tig Mode**
  Capable of welding with Lift Tig Mode.
- **PreProtections**
  Equipped with temperature, voltage and current sensors for high protection.
- **Generator friendly**
  Designed to work with diesel generators and to avoid failures due to its voltage spikes.
- **Extra functions**
  ‘Hot Start’,’Anti-sticking’ and ’Arc Force’ built in.

Technical Specifications

Model/Item	TitanArc 160 PFC				TitanArc 200 PFC			
Power Supply Voltage V	90VAC~275VAC				90VAC~275VAC			
Fre.HZ	50/60				50/60			
Rated input power KW	1~110/120/130±10%		1~220/230/240±10%		1~110/120/130±10%		1~220/230/240±10%	
	2.0	2.9	3.6	5	2.5	3.9	4.9	7
Rated Input Current A	17.5	26	16.5	23	22.5	36	22	32
Duty Cycle 40℃ 10min	TIG	MMA	TIG	MMA	TIG	MMA	TIG	MMA
	70%100A	30%110A	100%160A	40%160A	60%130A	20%120A	70%200A	30%200A
Duty Cycle60%	60%118A	60%75A	60%135A	60%130A	60%120A	60%69A	60%185A	60%142A
Duty Cycle100%	100%92A	100%60A	100%160A	100%101A	100%93A	100%54A	100%167A	100%110A
No Load Voltage V	66				66			
Welding Current Range A	10~110		10~160		10~120		10~200	
Efficiency %	≥85				≥85			
Net Weight kg	6				6			
Dimensions mm	390x145x280				390x145x280			
Protection Class	IP23				IP23			
Insulation Class	H				H			
Cooling	AF				AF			
Electrode Diameter	1.6~ 4.0				1.6~ 5.0			
Electrode Type	6013,7018 etc.				6013,7018 etc.			
Power Factor	0.99				0.99			

Elfin Stick 320/400

Premium welding quality and low cost

Main Features

- Tig Mode（Optional）

Capable of welding with Lift Tig Mode.

- Extra functions

“Hot Start” and “Arc Force” adjustable ;

VRD selectable;

“Anti-sticking” built in.

- Protections

Equipped with temperature, voltage and current sensors for high protection.

- Generator friendly

Designed to work with diesel generators and to avoid failures due to its voltage spikes.

Technical Specifications

Model/Item	Elfin Stick 320	Elfin Stick 400
Power Supply Voltage V	3~380 ±10%	3~380 ±10%
Fre.(HZ)	50/60	50/60
Rated Input Power (KW)	13.3	18.2
Rated input current(A)	23	30
Duty Cycle(40℃ 10Min)	40% 320A 100% 202A	40% 400A 100% 253A
No Load Voltage(V	55	90
Welding Current Range(A)	40~320	40~400
Efficiency	≥90%	≥90%
Net Weight(Kg)	17.5	19
Dimensions(mm)	530x240x445	530x240x445
Electrode Diamerter(mm)	1.6~6.0	1.6~6.0
Electrode Type	6018,7018 etc.	6018,7018 etc.
power factor	0.75	0.75
Insulation Class	H	H
Protection Class	IP21	IP21
Cooling	Fan	Fan

PLASMA CUTTERS

TitanCut 40, 40 PFC

Giant, but small

Main Features

- **Pilot Arc Controller**

Increases cutting capabilities andspeed.Extends tip’s life.Ideal for grid cutting.

- **PFC Technology**

Wide Input Voltage 90VAC~275VAC.

Power factor more than 0.99.Multiple advantages such as energy saving and wider input voltage,works with 110V and 220V.

- **Protections**

Various protective and alarm functions for over-temperature and over-current.

Technical Specifications

Model/Item	TitanCut40	TitanCut40 PFC	
Power Supply Voltage V	160VAC~275VAC	90VAC~275VAC	
Fre. HZ	50/60	1~110/120/130±10%	1~220/230/240±10% 50/60
Rate Input Power KW	4.9	3.3	4.6
Rate Input Current A	32	34.5	22.6
Duty Cycle 40℃10min	60%40A	35%30A	50%40A
	100%30A	60%22A 100%20A	60%36A 100%30A
No Load Voltage V	220V	320V	320V
Cutting Current range A	20~40	20~30	20~40
Severance Cut for	≤25	≤20	≤25
Carbon Steel mm			
Production Cut mm	≤20	≤15	≤20
Carbon Steel	≤20	≤15	≤20
Stainless Steel	≤16	≤12	≤16
Aluminum	≤12	≤8	≤12
Copper	6.2	7	
Net Weight kg	460x146x278	480x146x278	
Dimensions mm	H	H	
Insulation Class	IP23	IP23	
Protection Class	AF	AF	
Cooling	0.7	0.99	

TitanCut 40 PFC COMP

Main Features

- **Pilot Arc Controller**

Increases cutting capabilities andspeed.Extends tip’s life.Ideal for grid cutting.

- **PFC Technology**

Wide Input Voltage 90VAC~275VAC.

Power factor more than 0.99.Multiple advantages such as energy saving and wider input voltage,works with 110V and 220V.

- **Protections**

Various protective and alarm functions for over-temperature and over-current.

- **Built in Compressor**

Pilot Arc Controller, concentrated plasma stream increases cutting capabilities and speed
Protction for over-temperature and over-current

Technical Specifications

Model/Item	TitanCut40 PFC COMP	
Power Supply Voltage V	90VAC~275VAC	
Fre. HZ	1~110/120/130±10%	1~220/230/240±10% 50/60
Rate Input Power KW	3.3	4.6
Rate Input Current A	34.5	22.6
Duty Cycle 40℃10min	35%30A	50%40A
	60%22A 100%20A	60%36A 100%30A
No Load Voltage V	320V	320V
Cutting Current range A	20~30	20~40
Severance Cut for	≤20	≤25
Carbon Steel mm		
Production Cut mm	≤15	≤20
Carbon Steel	≤15	≤20
Stainless Steel	≤12	≤16
Aluminum	≤8	≤12
Copper	7	
Net Weight kg	480x146x278	
Dimensions mm	H	
Insulation Class	IP23	
Protection Class	AF	
Cooling	0.99	
Power Factor		

TitanCut 100/120(CNC)

Superior power and performance, Low operating cost

Main Features

Perfect combine of power and performance

- Superior speed and cutting capacity
- Low operating cost
- Higher-quality cuts
- Safety
- Reliability
- Ease of use
- Robust, portable cutting system.

Why TitanCut 100/120

The new TitanCut plasma is a high duty cycle, inverter based system specifically designed for heavy duty applications requiring superior cutting performance. The unit is specifically designed to serve the 35mm/40mm market with a high duty cycle of 60% in a 40˚C ambient environment. superior performance.

Technical Specifications

Model/Item	CUT100(CNC)	CUT120(CNC)
Input Voltage	Ac380	Ac380
Frequency	50/60 Hz	50/60 Hz
Input Power	14.2 KVA	18.2 KVA
Max Input Current	21.7	27.8
No Load Voltage	285	285
Current Range	30-100 A	30-120A
Duty Cycle	60% (100%)	60% (100%)
Compressor Air	0.4-0.5 MPA	0.4-0.5 MPA
Pretection Class	IP21S	IP21S
ARC Starting	HF non contact	HF non contact
Max Cutting thickness(Carbon Steel)	40	45
Size	685*295*560	685*295*560
Weight	25KG	25KG

STUD WELDERS

TitanStud1600/2500

Portable, robust, reliable

Energy efficient

1 Phase

Stud

Main Features

- anti-voltage fluctuation design.
- Suitable for harsh operating environments.
- User friendly interface, easy adjustment, large digital display.
- Continuously adjustable charging voltage, short charging time, energy saving.
- Welding applications: steel, aluminum, brass, special weldable alloys.

Technical Specifications

Model/Item	TitanStud1600	TitanStud2500
Input Voltage (V)	AC220±15%	AC220±15%
Frequency (HZ)	50/60	50/60
Rated Input Power (KVA)	1.6	2.5
Charging Voltage(V)	20-200	20-200
Capacitance(UF)	66000	99000
Power Mode stored energy	stored energy	stored energy
Stored energy (J)	1600	2500
Insulation Grade	F	F
Welding Range	M3-M8	M3-M10
Welding Efficiency(S/Min)	Up to 20 studs/min	Up to 20 studs/min
Dimension(MM)	545*205*385	545*205*385
New Weight (KG)	22	24
Standard accesories	Stud welding torch ; 3m,16mm2 earth lead	


LASER WELDERS

TitanLaser 1000 , 1500
Portable Laser Welder

Main Features

- Easy operation， new user can also weld products beautifully
- The welding seam is smooth and good shape, the welding is reliable and high quality, saving time and cost
- High electro-optical conversion， long laser life， better penetration
- Aiming at the irregular shape of various complex welding workpieces/large workpieces， arbitrary angle welding is realized
- Compact design， uitable for different workplaces

Technical Specifications

Model/Item	TitanLaser 1000	TitanLaser 1500
Laser Wavelength	1070nm+5%	1070nm+5%
Working Voltage	Single-phase 220V±5%,50Hz	Single-phase 220V±5%,50Hz
Fiber Wire Length	10m	10m
Aiming Positioning	TTL level/ Gul	Red Light Indicator + Therapeuritc Tool
Control Model	Red Light Indicator + Therapeuritc Tool	TTL level/ GUI
Welding Speed Range	0~120mm/s	0~120mm/s
Cooling System	Integrated Thermostat	Integrated Thermostat
Temperature range of working environment	15~35C	15~35C
Humidity range of Working Environment	<70%No Condensation	<70%No Condensation
Suggestions On Welding Thickness	0.5-5mm	0.5-5mm
Welding Gap Requirements	≤0.2mm	≤0.2mm
Consumables	Protective Lens	Protective Lens
Machine size	740*490*680mm	740*490*680mm

Accessories

Wire Feeder

Hf10

HF10W

HF200

Water Cooler

HC 10

Wire feeder and
water cooler installation

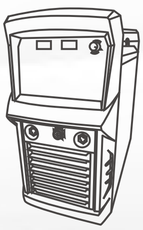
Trolley

HMT100

HMT300

HMT500

CE RoHS



headux

Email:info@headux.com

Http://www.headux.com