

# VARMIG WELDING MACHINES

DAIHEN VARSTROJ

# VARIN



PERFECT CHOICE FOR  
**WELDING**

WELDING MACHINES DAIHEN VARSTROJ

# FIRST CHOICE OF WELDERS

**VARIN** | WITH FEATURES SUITABLE EVEN FOR BEGINNERS 

**HOBBY**  3 kg  230 V

**HOBBY AND WORKSHOP**  5 kg  230 V

**INDUSTRY**  13 kg  3 x 400 V

ADJUSTABLE HOT START  | ADJUSTABLE ARC FORCE  | ANTI - STICK 

The VARIN series is available with **MMA PULSED** welding process 



**VARIN 1405 MINI**

**VARIN 1605 LCD**


**VARIN 1805 LCD**

**VARIN 2005 LCD CEL GEN**

**VARIN 3005 LCD**

VARIN	1405 MINI	1605 LCD	1805 LCD	2005 LCD CEL GEN	3005 LCD
Welding Mode	MMA, LIFT TIG	MMA, LIFT TIG	MMA, LIFT TIG	MMA, LIFT TIG	MMA, LIFT TIG
Welding Current Range (A)	10 - 140 A	10 - 160 A	10 - 180 A	10 - 200 A	10 - 315 A
Welding Wire Diameter (Ø)	3,25 mm	3,25 mm	4 mm	5 mm	6 mm

Smart Assistance 	✗	✓	✓	✓	✓
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 **FOR EASIER AND FASTER WORK**  
It provides optimal welding parameters and electrode thickness based on the thickness of the welded material, while also allowing adjustment of other welding parameters.

## VARMIG MINI

## VARMIG PROFIMIG

**HOBBY**  7.5 kg  230 V

**HOBBY AND WORKSHOP**  10 kg  230 V



**VARMIG 1605D MINI**

**VARMIG 1605D PROFIMIG**

**VARMIG 2005D PROFIMIG**

VARMIG	1605D MINI
Welding Mode	MIG/MAG, MMA, LIFT TIG
Welding Current Range (A)	50 - 160 A
Duty Cycle (40 °C)	20 % 160 A
Wire Spool	do 5 kg
Welding Wire Diameter (Ø)	0.6 - 0.8 - 0.9 - 1.0 mm
Torch Button Operation Mode	2T / 4T

VARMIG PROFIMIG	1605D PROFIMIG	2005D PROFIMIG
Welding Mode	MIG/MAG, MMA, LIFT TIG	MIG/MAG, MMA, LIFT TIG
Welding Current Range (A)	50 - 160 A	50 - 200 A
Duty Cycle (40 °C)	60% 113 A	60 % 115 A
Wire Spool	do 5 kg	do 5 kg
Welding Wire Diameter (Ø)	0.6 - 0.8 - 0.9 - 1.0 mm	0.6 - 0.8 - 0.9 - 1.0 mm
Torch Button Operation Mode	2T / 4T	2T / 4T

**COMPACT, LIGHT, AND CONVENIENT**

# VARMIG LCD

WORKSHOP

23 kg 3 x 400 V



VARMIG 231-I LCD

VARMIG 271-I LCD

WELDING CART

WORKSHOP

13 kg 230 V



VARMIG 201-I LCD PULSE

VARMIG	231-I LCD	271-I LCD
Welding Mode	MIG/MAG, MMA, LIFT TIG	MIG/MAG, MMA, LIFT TIG
Welding Current Range (A)	40 - 230 A	40 - 270 A
Duty Cycle (40 °C)	60 % 230 A	60 % 270 A
Wire Spool	do 15 kg	do 15 kg
Welding Wire Diameter (Ø)	0.8, - 0.9 - 1.0 - 1.2 mm	0.8, - 0.9 - 1.0 - 1.2 mm
Torch Button Operation Mode	2T / 4T	2T / 4T
Smart Assistance	✓	✓

VARMIG	201-I LCD PULSE
Welding Mode	MIG/MAG, MMA, LIFT TIG
Welding Current Range (A)	30 - 200 A
Duty Cycle (40 °C)	30 % 200 A
Wire Spool	do 5 kg
Welding Wire Diameter (Ø)	0.8, - 0.9 - 1.0 - 1.2 mm
Torch Button Operation Mode	2T / 4T
Smart Assistance	✓

INDUSTRY

50 kg 3 x 400 V



air cooled  
water cooled

VARMIG 301-I LCD



air cooled  
water cooled

VARMIG 351-I LCD



air cooled  
water cooled

VARMIG 301-I LCD PULSE



air cooled  
water cooled

VARMIG 351-I LCD PULSE

VARMIG	301-I LCD	351-I LCD	301-I LCD PULSE	351-I LCD PULSE
Welding Mode	MIG/MAG, MMA, LIFT TIG	MIG/MAG, MMA, LIFT TIG	MIG/MAG, MMA, LIFT TIG	MIG/MAG, MMA, LIFT TIG
Welding Current Range (A)	50 - 300 A	50 - 350 A	50 - 300 A	50 - 350 A
Duty Cycle (40 °C)	60 % 300 A	60 % 350 A	60 % 300 A	60 % 350 A
Wire Spool	do 15 kg	do 15 kg	do 15 kg	do 15 kg
Welding Wire Diameter (Ø)	0.8, - 0.9 - 1.0 - 1.2 mm	0.8, - 0.9 - 1.0 - 1.2 mm	0.8, - 0.9 - 1.0 - 1.2 mm	0.8, - 0.9 - 1.0 - 1.2 mm
Torch Button Operation Mode	2T / 4T	2T / 4T	2T / 4T	2T / 4T
Water Cooling	option	option	option	option
Smart Assistance	✓	✓	✓	✓

# PLASMA

WORKSHOP

7 kg 230 V

PLASMA D-4005



PLASMA	D-4005
Torch Ignition	HF
Cutting Current Range (A)	20 - 40 A
Duty Cycle (40 °C)	30 % 40 A
Cutting Thickness	20 mm
Air Compressor Pressure	0.3 - 0.45 MPa

# VARTIG

WORKSHOP

9.5 kg 230 V

VARTIG 205 AC/DC



VARTIG	205 AC/DC
Welding Mode	HF TIG, LIFT TIG, MMA
Welding Current Range (A)	10 - 200 A
Duty Cycle (40 °C)	20 % 200 A
Torch Button Operation Mode	2T / 4T
Welding of all types of materials	



# VARIN 1405 MINI

YOUR ASSISTANT FOR EASY  
WELDING AT HOME



ELECTRODE  
WELDING



lift TIG



EASY TO HANDLE



LIGHTWEIGHT



HANDY

now available with  
**MMA PULSE**  
process

## RECOMMENDED FOR

- » HOBBY WELDING
- » WELDING WITH ELECTRODES  
UP TO 3.25 mm





### TRANSPARENT LED DISPLAY

- ▶▶▶ MMA
- ▶▶▶ MMA PULSE  
Good at thin plate welding
- ▶▶▶ LIFT TIG

### RUTILE AND BASIC ELECTRODES

Welding machines VARIN enable welding with both rutile and basic electrodes.

## ELECTRODE WELDING

### HOT START

The start of welding by raising the welding current ensures a better and more stable initial melt formation, which contributes to an improved and reliable start of welding. Suitable for beginners in welding.

### ARC FORCE

An advanced feature that ensures arc stability and control for flawless welding. It provides full control over the welding arc during the process, helping to achieve clean and strong welds. Especially suitable for beginners.

### ANTI-STICK

Reduces the output power of the welding machine when it detects the electrode sticking to the workpiece, making it easier to release the electrode and continue welding without interruption.

Model	VARIN 1405 MINI	
Welding method	MMA	LIFT TIG
Welding current area	10 - 140 A	10 - 140 A
Base welding current (IB)	10 - 140 A	10 - 140 A
Pulsed welding current (IP)	10 - 160 A	10 - 160 A
Frequency (F)	0.5 - 10 Hz	0.5 - 10 Hz
Duty Cycle (ED / 40 °C)	15%	140 A
	60%	65 A
	100%	50 A
Electrode Diameter (Ø)	2.5 - 3.25 mm	/
Net weight	3 kg	
Connection voltage	230 ± 10% V	

## ACCESSORIES



# VARIN

## 1605 LCD, 1805 LCD, 2005 LCD CEL GEN

YOUR ASSISTANT FOR EASY  
WELDING AT HOME AND WORKSHOP



ELECTRODE  
WELDING



lift TIG

✓ SET UP GUIDE FOR WELDING  
PARAMETERS

✓ LIGHTWEIGHT

✓ HANDY

now available with  
**MMA PULSE**  
process

### RECOMMENDED FOR

- » HOBBY AND WORKSHOP WELDING
- » WELDING WITH ELECTRODES  
FROM 1.6 TO 5.0 mm



VARIN Series  
LCD MCD





### USER-FRIENDLY DISPLAY

- User-friendly welding settings overview
- Selection of welding mode and special functions using the button on the screen.

### SMART ASSISTANCE

#### FOR EASIER AND FASTER WORK

Welding machines VARIN provide welders with recommendations for optimal selection of welding parameters and electrode thickness that correspond to the thickness of the welded material. Support for adjusting other welding parameters is also available.

## ELECTRODE WELDING

### ADJUSTABLE HOT START

With an adjustable hot start setting from 0 to 10, this feature allows you to start welding by raising the current, ensuring a better and more stable initial weld pool. Ideal for beginners, it offers improved control and a reliable start every time.

### ADJUSTABLE ARC FORCE

The advanced function that ensures stable and flawless welding offers full control over the electric arc during the welding process, helping to achieve flawless and solid weld joints. Adjustable arc force settings from 0 to 10 make welding easier even for beginners.

### ANTI-STICK

Reducing the output power of the welding machine when it detects that the electrode is sticking to the workpiece, which makes it easier to detach the electrode and continue welding without interruption.

### RUTILE, BASIC AND CELLULOSE ELECTRODES

Welding machines VARIN support welding with rutile and basic electrodes, while the VARIN 2005 LCD CEL GEN also supports welding with cellulose electrodes.

Model	VARIN 1605 LCD	VARIN 1805 LCD	VARIN 2005 LCD CEL GEN
Welding current area	10 - 160 A	10 - 180 A	10 - 200 A
Base welding current (IB)	10 - 160 A	10 - 180 A	10 - 200 A
Pulsed welding current (IP)	10 - 160 A	10 - 180 A	10 - 200 A
Frequency (F)	0.5 - 10 Hz	0.5 - 10 Hz	0.5 - 10 Hz
Duty Cycle	25 % 160 A	20 % 180 A	15 % 200 A
Electrode Diameter (Ø)	1.6 - 3.25	1.6 - 4.0	1.6 - 5.0
Net weight	5 kg	5 kg	5 kg
Connection voltage	230 ± 10% V	230 ± 10% V	230 ± 10% V

## ACCESSORIES



GROUND CABLE WITH CLAMP 2 m



WELDING CABLE WITH ELECTRODE HOLDER 3 m



WELDING MASK



BRUSH FOR CLEANING WELDS



CARRYING BELT



STORAGE CASE



OPTIONAL

TORCH FOR lift TIG WELDING and GAS VALVE

# VARIN 3005 LCD

YOUR ASSISTANT FOR EASY AND CAREFREE  
WELDING EVEN FOR THE MOST DEMANDING  
FIELD WORK



ELECTRODE  
WELDING



lift TIG



SET UP GUIDE FOR WELDING  
PARAMETERS



LIGHTWEIGHT



POWERFUL

now available with  
**MMA PULSE**  
process

## RECOMMENDED FOR

- » INDUSTRY WELDING
- » WELDING WITH ELECTRODES  
UP TO 6.0 mm





### USER-FRIENDLY DISPLAY

- User-friendly welding settings overview
- Selection of welding mode and special functions using the button on the screen.

### SMART ASSISTANCE

#### FOR EASIER AND FASTER WORK

Welding machines VARIN provide welders with recommendations for optimal selection of welding parameters and electrode thickness that correspond to the thickness of the welded material. Support for adjusting other welding parameters is also available.

## ELECTRODE WELDING

### ADJUSTABLE HOT START

With an adjustable hot start setting from 0 to 10, this feature allows you to start welding by raising the current, ensuring a better and more stable initial weld pool. Ideal for beginners, it offers improved control and a reliable start every time.

### ADJUSTABLE ARC FORCE

The advanced function that ensures stable and flawless welding offers full control over the electric arc during the welding process, helping to achieve flawless and solid weld joints. Adjustable arc force settings from 0 to 10 make welding easier even for beginners.

### ANTI-STICK

Reducing the output power of the welding machine when it detects that the electrode is sticking to the workpiece, which makes it easier to detach the electrode and continue welding without interruption.

### RUTILE, BASIC AND CELLULOSE ELECTRODES

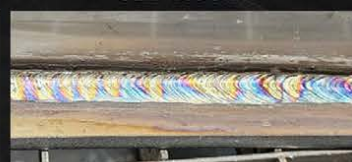
Welding machine VARIN 3005 LCD supports welding with rutile, basic, and cellulose electrodes.

Model	VARIN 3005 LCD	
Welding method	MMA	liftTIG
Welding current area	10 - 315 A	10 - 315 A
Base welding current (IB)	10 - 315 A	10 - 315 A
Pulsed welding current (IP)	70 - 315 A	70 - 315 A
Frequency (F)	70 - 315 A	70 - 315 A
Duty Cycle (ED / 40 °C)	30%	315 A
	60%	223 A
	100%	173 A
Electrode Diameter (Ø)	2.0 - 6.0 mm	/
Net weight	13 kg	
Connection voltage	3 x 400 ± 10% V	

## ACCESSORIES



Stainless steel



Construction steel



# VARMIG 1605D MINI

YOUR ASSISTANT FOR EASY  
WELDING AT HOME



MIG/MAG



ELECTRODE  
WELDING



lift TIG



EASY TO HANDLE



LIGHTWEIGHT



MULTIFUNCTIONAL



Material	Welding process	Welding wire diameter	Gas
		0.6 - 0.8 - 1.0	100 % CO <sub>2</sub>
Steel	MIG/MAG	0.6 - 0.8 - 1.0	82 % Ar + 18 % CO <sub>2</sub>
		0.9	flux core wire
Stainless steel		0.6 - 0.8 - 1.0	97.5 % Ar + 2.5 CO <sub>2</sub>
Steel	MMA	Ø2.5; Ø3.25	/
Stainless steel	liftTIG	/	100 % Ar





VARMIG 1605D MINI

## ELECTRODE WELDING

### ADJUSTABLE HOT START

With an adjustable hot start setting from 0 to 10, this feature allows you to start welding by raising the current, ensuring a better and more stable initial weld pool. Ideal for beginners, it offers improved control and a reliable start every time.

### ADJUSTABLE ARC FORCE

The advanced function that ensures stable and flawless welding offers full control over the electric arc during the welding process, helping to achieve flawless and solid weld joints. Adjustable arc force settings from 0 to 10 make welding easier even for beginners.

### ANTI-STICK

Reducing the output power of the welding machine when it detects that the electrode is sticking to the workpiece, which makes it easier to detach the electrode and continue welding without interruption.

### RUTILE AND BASIC ELECTRODES

Varmig 1605D mini enables welding with both rutile and basic electrodes.

## USER-FRIENDLY DISPLAY

## MIG / MAG WELDING

### 2T / 4T MODE SELECTION

In 2T welding mode, the welding arc works while you hold down the button on the welding torch. In 4T mode, you can sustain the welding arc without the need to continuously press the button; to deactivate welding, you simply press the button again.

### SYNERGY

The welding wire feed speed is adjusted to the welding current. The option of the synergy shutdown function allows the welder to independently adjust the welding current and welding voltage.

Model	VARMIG 1605D mini		
Welding method	MIG / MAG	MMA	liftTIG
Welding current area	50 - 160 A	10 - 150 A	10 - 160 A
Duty Cycle (ED / 40 °C)	20%	160 A	160 A
	60%	92 A	92 A
	100%	72 A	72 A
Wire diameter (Ø)	0.6 - 0.8 - 1.0 mm	/	/
Electrode Diameter (Ø)	/	2.5 - 3.25 mm	/
Wire spool	1,5 kg	/	/
Weight		8 kg	
Connection voltage	230 V ± 10 % V		

## ACCESSORIES



GROUND CABLE WITH CLAMP 2m

WELDING CABLE WITH ELECTRODE HOLDER 2 m

TORCH 3 m + CONSUMABLE PARTS

V-GROOVE ROLLS 0.8 - 1.0

OPTIONAL TORCH FOR liftTIG WELDING

# VARMIG PROFIMIG 1605D, 2005D

RELIABLE AND EFFICIENT PARTNER, EVEN FOR THE MOST DEMANDING FIELD AND WORKSHOP USE



MIG/MAG



ELECTRODE WELDING



lift TIG



EASY TO HANDLE



LIGHTWEIGHT



MULTIFUNCTIONAL



Material	Welding process	Welding wire diameter	Gas
Steel	MIG/MAG	0.6 - 0.8 - 1.0	100 % CO <sub>2</sub>
Stainless steel		0.6 - 0.8 - 1.0	82 % Ar + 18 % CO <sub>2</sub>
Steel	MMA	0.9	flux core wire
Stainless steel		0.6 - 0.8 - 1.0	97.5 % Ar + 2.5 CO <sub>2</sub>
Steel	liftTIG	Ø2.5; Ø3.25	/
Stainless steel		/	100 % Ar





## ELECTRODE WELDING

### ADJUSTABLE HOT START

With an adjustable hot start setting from 0 to 10, this feature allows you to start welding by raising the current, ensuring a better and more stable initial weld pool. Ideal for beginners, it offers improved control and a reliable start every time.

### ADJUSTABLE ARC FORCE

The advanced function that ensures stable and flawless welding offers full control over the electric arc during the welding process, helping to achieve flawless and solid weld joints. Adjustable arc force settings from 0 to 10 make welding easier even for beginners.

### ANTI-STICK

Reducing the output power of the welding machine when it detects that the electrode is sticking to the workpiece, which makes it easier to detach the electrode and continue welding without interruption.

### RUTILE AND BASIC ELECTRODES

Welding machines VARMIG enable welding with both rutile and basic electrodes.

## USER-FRIENDLY DISPLAY

Where you can easily select and verify the choice of gas, welding modes, welding voltage, welding current, wire diameter and other welding variables.

## MIG / MAG WELDING

### SYNERGY

The welding wire feed speed is adjusted to the welding current. The option of the synergy shutdown function allows the welder to independently adjust the welding current and welding voltage.

### 2T / 4T MODE SELECTION

In 2T welding mode, the welding arc works while you hold down the button on the welding torch. In 4T mode, you can sustain the welding arc without the need to continuously press the button; to deactivate welding, you simply press the button again.

### INDUCTIVITY

Weld pool compactness setting: hard / softer electric welding arc.

Model	VARMIG 1605D PROFIMIG			VARMIG 2005D PROFIMIG		
Welding method	MIG / MAG	MMA	liftTIG	MIG / MAG	MMA	liftTIG
Welding current range	50 - 160 A	10 - 160 A	10 - 160 A	50 - 200 A	10 - 160 A	10 - 200 A
Duty Cycle (ED / 40 °C)	60%	113 A	106 A	113 A	115 A	92 A
	100%	88 A	82 A	88 A	89 A	72 A
Wire diameter (Ø)	0.6 - 0.8 - 0.9 - 1.0 mm	/	/	0.6 - 0.8 - 0.9 - 1.0 mm	/	/
Electrode Diameter (Ø)	/	2.5 - 3.25 mm	/	/	2.5 - 3.25 mm	/
Wire spool	5 kg	/	/	5 kg	/	/
Weight		10 kg			10 kg	
Connection voltage		230 V ± 10 % V			230 V ± 10 % V	

## ACCESSORIES



GROUND CABLE WITH CLAMP 2 m



WELDING CABLE WITH ELECTRODE HOLDER 3 m



TORCH 3m + CONSUMABLE PARTS



REDUCTION VALVE (mini Ar / CO2) + GAS PIPE 1.5 m



V GROOVE ROLLS 0.6 - 0.8 (1605D) 0.6 - 0.8, 0.8 - 0.9, 0.8 - 1.0 (2005D)



TORCH FOR liftTIG WELDING

# VARMIG 201-i LCD PULSE

RELIABLE AND EFFICIENT PARTNER, EVEN FOR THE MOST DEMANDING FIELD AND WORKSHOP USE



MIG/MAG



ELECTRODE WELDING



lift TIG



SETUP GUIDE FOR WELDING PARAMETERS



LIGHTWEIGHT



MULTIFUNCTIONAL



Material	Welding process	Welding wire diameter	Gas
Steel	MIG/MAG	0.8 - 0.9 - 1.0	100 % CO <sub>2</sub>
Steel		0.8 - 0.9 - 1.0	82 % Ar + 18 % CO <sub>2</sub>
Stainless steel		0.8 - 0.9 - 1.0	82 % Ar + 18 % CO <sub>2</sub>
AlSi	Pulse / Double pulse	0.8 - 0.9 - 1.0	97,5 % Ar + 2,5 CO <sub>2</sub>
AlMg		0.9 - 1.0 - 1.2	100 % Ar
CuSi		0.8 - 0.9 - 1.0	100 % Ar
Steel	MMA	Ø2.5 - Ø5.0	/
Stainless steel			
Steel	LIFT TIG	/	100 % Ar
Stainless steel			

available with  
**SINGLE & DOUBLE PULSE**  
process





### LCD SCREEN

Bigger and brighter screen allows more accurate monitoring of welding settings and quick checking of parameters during welding.

### SMART ASSISTANCE

When setting parameters, the VARMIG welding machine automatically suggests parameters based on the welded material thickness

### EASY ARC LENGTH CONTROL

Helps to maintain the proper arc length effectively to achieve a stable welding process.

- ▶▶▶ 2T OR 4T WELDING SETUP
- ▶▶▶ ADJUSTABLE GAS POST FLOW
- ▶▶▶ EASY CORRECTION OF THE WELDING VOLTAGE



Single Pulse MIG



Double Pulse MIG



MMA



CO<sub>2</sub>



Ar + CO<sub>2</sub> mixed



Flux cored



LIFT TIG

Model	VARMIG 201-i LCD Pulse		
Welding method	<b>MIG / MAG</b>	<b>MMA</b>	<b>liftTIG</b>
Welding current range	30 - 200 A	10 - 200 A	10 - 200 A
Duty Cycle (ED / 40 °C)	30 %	200 A	200 A
	60 %	141 A	141 A
	100 %	110 A	110 A
Wire diameter (Ø)	0.8 - 0.9 - 1.0 - 1.2 mm	/	/
Electrode Diameter (Ø)	/	2.5 - 5.0 mm	/
Wire spool	1kg, 5kg	/	/
Net weight	13 kg	13 kg	13 kg
Connection voltage	230 V	230 V	230 V

### ACCESSORIES



GROUND CABLE WITH CLAMP 3 m



WELDING CABLE WITH ELECTRODE HOLDER 3 m



TORCH 3m + CONSUMABLE PARTS



REDUCTION VALVE (mini Ar / CO<sub>2</sub>) + GAS PIPE 1.5 m



V and U-GROOVE WHEELS 0.8 - 1.0



TORCH FOR liftTIG WELDING

# VARMIG

## 231-i LCD, 271-i LCD

POWER, DURABILITY AND PRECISION FOR WELDING WITHOUT COMPROMISE



MIG/MAG



ELECTRODE WELDING



lift TIG



**SETUP GUIDE FOR WELDING PARAMETERS**



**POWERFUL**



**TRANSPARENT LCD SCREEN**



Material	Welding process	Welding wire diameter	Gas
Steel	MIG/MAG	0.8 - 1.0 - 1.2	100 % CO <sub>2</sub>
		0.8 - 1.0 - 1.2	82 % Ar + 18 % CO <sub>2</sub>
		0.9	flux core wire
Stainless steel		0.8 - 1.0 - 1.2	97.5 % Ar + 2.5 % CO <sub>2</sub>
Al		0.8 - 1.0 - 1.2	100 % Ar
Steel	MMA	Ø2.5 - Ø5.0	/
Stainless steel			
Steel	liftTIG	/	100 % Ar
Stainless steel			





- 2T OR 4T WELDING SETUP
- EASY ARC WIDTH ADJUSTMENT
- ADJUSTABLE GAS POST FLOW
- EASY CORRECTION OF THE WELDING VOLTAGE

### LCD SCREEN

A larger and brighter display allows for easier adjustment and monitoring of welding parameters.

### SMART ASSISTANCE

When setting parameters, the VARMIG welding machine automatically suggests parameters based on the welded material thickness

### WELDING CART FOR

- WELDING MACHINE
- WELDING ACCESSORIES
- OTHER HAND TOOLS



### ELECTRODE WELDING

- ADJUSTABLE HOT START
- ADJUSTABLE ARC FORCE
- ANTI STICK

Model	VARMIG 231-i LCD			VARMIG 271-i LCD		
Welding method	MIG / MAG	MMA	liftTIG	MIG / MAG	MMA	liftTIG
Welding current range	40 - 230 A	10 - 230 A	10 - 230 A	40 - 270 A	10 - 250 A	10 - 270 A
Duty Cycle (ED / 40 °C)	60 %	230 A	230 A	270 A	250 A	270 A
	100 %	178 A	178 A	209 A	194 A	209 A
Wire diameter (Ø)	0.8 - 0.9 - 1.0 - 1.2 mm	/	/	0.8 - 0.9 - 1.0 - 1.2 mm	/	/
Electrode Diameter (Ø)	/	2.5 - 5.0 mm	/	/	2.5 - 5.0 mm	/
Wire spool	15 kg	/	/	15 kg	/	/
Net weight	23 kg			23 kg		
Connection voltage	3 X 400 V			3 X 400 V		

### ACCESSORIES



GROUND CABLE WITH CLAMP 2.5 m



TORCH 3m + CONSUMABLE PARTS



REDUCTION VALVE (mini Ar / CO2) + GAS PIPE 1.5 m



V-GROOVE WHEELS 1.0-1.2



OPTIONAL  
WELDING CABLE WITH ELECTRODE HOLDER 3m



OPTIONAL  
TORCH FOR liftTIG WELDING

# VARMIG 301-i LCD, 351-i LCD

COMPACT WELDING MACHINE WITH HIGH WELDING PERFORMANCE



MIG/MAG



ELECTRODE WELDING



lift TIG



SETUP GUIDE FOR WELDING PARAMETERS



POWERFUL



MULTIFUNCTIONAL



Material	Welding process	Welding wire diameter	Gas
Steel	MIG/MAG	0.8 - 1.0 - 1.2	100 % CO <sub>2</sub>
		0.9	flux core wire
Stainless steel		0.8 - 1.0 - 1.2	97.5 % Ar + 2.5 CO <sub>2</sub>
Al		1.0 - 1.2	100 % Ar
Steel	MMA	Ø2.5 - Ø5.0	/
Stainless steel			
Steel	liftTig	/	100 % Ar
Stainless steel			





## ELECTRODE WELDING

- ▶▶▶▶ ADJUSTABLE HOT START
- ▶▶▶▶ ADJUSTABLE ARC FORCE
- ▶▶▶▶ ANTI STICK



The **LCD SCREEN** enables more accurate monitoring of welding settings and quick checking of parameters during welding.



**SMART ASSISTANCE** when setting parameters. The VARMIG welding machine automatically suggests parameters based on the welded material thickness

- ▶▶▶▶ 2T OR 4T WELDING SETUP
- ▶▶▶▶ EASY ARC WIDTH ADJUSTMENT
- ▶▶▶▶ ADJUSTABLE GAS POST FLOW
- ▶▶▶▶ EASY CORRECTION OF THE WELDING VOLTAGE

Model	VARMIG 301-i LCD			VARMIG 351-i LCD		
Welding method	MIG / MAG	MMA	liftTIG	MIG / MAG	MMA	liftTIG
Welding current area	50 - 300 A	10 - 250 A	10 - 300 A	50 - 350 A	10 - 300 A	10 - 350 A
Duty Cycle (ED / 40 °C)	60 %	300 A	250 A	300 A	350 A	300 A
	100 %	232 A	194 A	232 A	271 A	232 A
Wire diameter (Ø)	0.8 - 0.9 - 1.0 - 1.2 mm	/	/	0.8 - 0.9 - 1.0 - 1.2 mm	/	/
Electrode Diameter (Ø)	/	2.5 - 5.0 mm	/	/	2.5 - 5.0 mm	/
Wire spool	15kg	/	/	15kg	/	/
Net weight		50 kg			50 kg	
Connection voltage		3 X 400 ± 10% V			3 X 400 ± 10% V	

## ACCESSORIES

GROUND CABLE WITH CLAMP 4 m	REDUCTION VALVE (mini Ar / CO2) + GAS PIPE 3 m	V-GROOVE WHEELS 0.8 - 1.0 and 1.0 - 1.2; U-GROOVE WHEELS 1.0 - 1.2 (351-i)	TORCH PAG 355 (3 or 4 m) PAG 405 (3 or 4 m) + CONSUMABLE PARTS	WELDING CABLE WITH ELECTRODE HOLDER 3 m	TORCH FOR liftTIG WELDING	COOLING UNIT HA V-1

# VARMIG 301-i LCD PULSE, 351-i LCD PULSE

COMPACT WELDING MACHINE WITH  
EXCELLENT PULSE WELDING PERFORMANCE  
FOR LIGHT INDUSTRY



MIG/MAG



ELECTRODE  
WELDING



lift TIG



SETUP GUIDE FOR  
WELDING PARAMETERS



POWERFUL



MULTIFUNCTIONAL



available with  
**SINGLE & DOUBLE  
PULSE**  
process

Material	Welding process	Welding wire diameter	Gas
Steel	MIG/MAG	0.8 - 1.0 - 1.2	100 % CO <sub>2</sub>
		0.8 - 1.0 - 1.2 0.9	82 % Ar + 18 % CO <sub>2</sub> flux core wire
Steel	Pulse / Double pulse	0.8 - 1.0 - 1.2	97.5 % Ar + 2.5 % CO <sub>2</sub>
Stainless steel		0.8 - 1.0 - 1.2	97.5 % Ar + 2.5 % CO <sub>2</sub>
AlSi		1.0 - 1.2	100 % Ar
AlMg		1.0 - 1.2	100 % Ar
CuSi		0.8 - 1.0 - 1.2	100 % Ar
Steel	MMA	Ø2.5 - Ø5.0	/
Stainless steel			
Steel	liftTIG	/	100 % Ar
Stainless steel			





## ELECTRODE WELDING

- ▶▶▶▶ ADJUSTABLE HOT START
- ▶▶▶▶ ADJUSTABLE ARC FORCE
- ▶▶▶▶ ANTI STICK



The **LCD SCREEN** enables more accurate monitoring of welding settings and quick checking of parameters during welding.



**SMART ASSISTANCE** when setting parameters. The VARMIG welding machine automatically suggests parameters based on the welded material thickness

- ▶▶▶▶ 2T OR 4T WELDING SETUP
- ▶▶▶▶ EASY ARC WIDTH ADJUSTMENT
- ▶▶▶▶ ADJUSTABLE GAS POST FLOW
- ▶▶▶▶ EASY CORRECTION OF THE WELDING VOLTAGE

Model	VARMIG 301-i LCD PULSE			VARMIG 351-i LCD PULSE		
Welding method	MIG / MAG	MMA	liftTIG	MIG / MAG	MMA	liftTIG
Welding current area	50 - 300 A	10 - 250 A	10 - 300 A	50 - 350 A	10 - 300 A	10 - 350 A
Duty Cycle (ED / 40 °C)	60 %	300 A	250 A	300 A	350 A	300 A
	100 %	232 A	194 A	232 A	271 A	232 A
Wire diameter (Ø)	0.8 - 0.9 - 1.0 - 1.2 mm	/	/	0.8 - 0.9 - 1.0 - 1.2 mm	/	/
Electrode Diameter (Ø)	/	2.5 - 5.0 mm	/	/	2.5 - 5.0 mm	/
Wire spool	15kg	/	/	15kg	/	/
Net weight		50 kg			50 kg	
Connection voltage		3 X 400 ± 10% V			3 X 400 ± 10% V	

## ACCESSORIES



GROUND CABLE WITH CLAMP 4 m



REDUCTION VALVE (mini Ar / CO2) + GAS PIPE 3 m



V-GROOVE WHEELS 0.8 - 1.0 and 1.0 - 1.2 ; U-GROOVE 1.0 - 1.2

OPTIONAL



TORCH PAG 355 (3 or 4 m) PAG 405 (3 or 4 m) + CONSUMABLE PARTS

OPTIONAL



WELDING CABLE WITH ELECTRODE HOLDER 3 m

OPTIONAL



TORCH FOR liftTIG WELDING

OPTIONAL



COOLING UNIT HA V-i

# VARTIG 205 AC/DC

YOUR ASSISTANT FOR EASY AND CAREFREE WELDING AT HOME AND WORKSHOP



HF TIG



lift TIG



ELECTRODE WELDING



**VARIOUS MATERIAL WELDING**



**HF IGNITION**



**EASY TO HANDLE**



## WELDING PROCESS

- » AC PULSE TIG
- » AC TIG
- » DC PULSE TIG
- » DC TIG
- » DC MMA





## TIG WELDING

▶▶▶▶ **HIGH FREQUENCY TIG (AC/DC) ARC IGNITION**

▶▶▶▶ **AVOID AC ARC-BREAK**

Stabilizes the arc, even during interruptions.

▶▶▶▶ **ADVANCED TIG FEATURES**

▶▶▶▶ **DOUBLE PURPOSES**

AC inverter for TIG and DC inverter TIG/MMA welding.

▶▶▶▶ **SINGLE-PHASE TIG/MMA WELDING**

Efficient and dependable for various applications.

▶▶▶▶ **PULSE MODE**

Model	VARTIG 205 AC/DC			
Welding method	TIG			
Welding current range	10 - 200 A	Pre flow time	0 - 1 S	
20%	200 A	Start current	10 - 200 A	
Duty Cycle (ED / 40 °C)	60%	115 A	Up slope	0 - 5 S
100%	89 A	Peak current	10 - 200 A	
AC Balance	20 - 80 %	Base current	10 - 200 A	
AC Frequency	40 - 200 Hz	Down slope	0 - 5 S	
Cold weld parameter	0 - 10 Hz	Crater current	10 - 200 A	
Cold weld time	1 - 200 MS	Post flow	0.1 - 10 S	
Connection voltage	230 V ± 10 %	Weight	9.5 kg	

## ELECTRODE WELDING

▶▶▶▶ **ADJUSTABLE HOT START**

▶▶▶▶ **ADJUSTABLE ARC FORCE**

▶▶▶▶ **ANTI STICK**

### ACCESSORIES



GROUND CABLE WITH CLAMP 2m



WELDING CABLE WITH ELECTRODE HOLDER 2m



TORCH 17.4m + CONSUMABLE PARTS



REDUCTION VALVE (mini Ar / CO2) + GAS PIPE 1.5 m

Welding method	MMA
Welding current range	10 - 180
Duty Cycle 20%	180 A
Electrode diameter (Ø)	2.5 - 4.0

# PLASMA D-4005

YOUR ASSISTANT FOR EASY AND  
CAREFREE CUTTING AT HOME AND  
WORKSHOP

✓ EASY TO HANDLE

✓ LIGHTWEIGHT

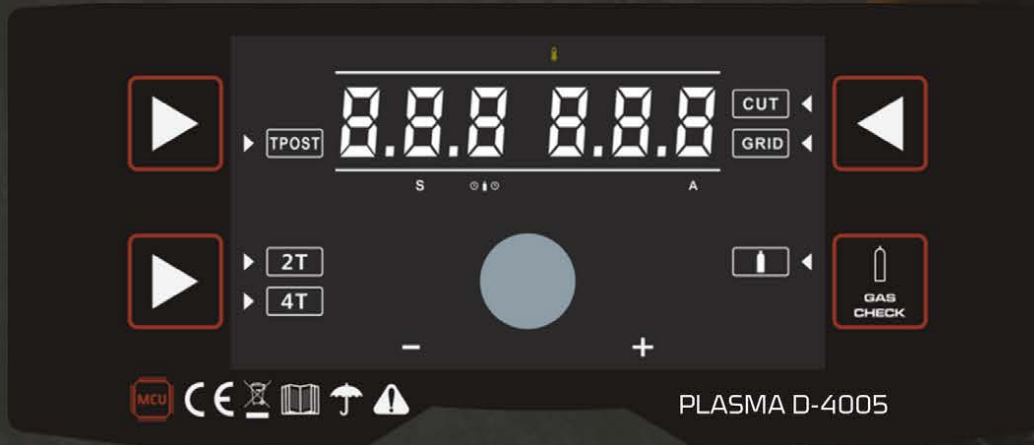
✓ COMPACT



## RECOMMENDED FOR CUTTING

- » CONSTRUCTION STEEL
- » STAINLESS STEEL
- » COPPER
- » ALUMINUM





▶▶▶▶ ADJUSTABLE POST GAS TIME

▶▶▶▶ GRID CUTTING MODE

### 2T / 4T MODE SELECTION

In 2T cutting mode, the welding arc works while you hold down the button on the torch. In 4T mode, you can sustain the welding arc without the need to continuously press the button; to deactivate welding, you simply press the button again.



8mm



14mm

Model		PLASMA D 4005
Cutting current area		20 - 40 A
Pilot current		20 - 40 A
Duty Cycle (ED / 40 °C)	30%	40 A
	60%	28 A
	100%	22 A
Fine cutting thickness	Carbon steel	14 mm
	Stainless steel	14 mm
	Cooper	14 mm
	Aluminum	5 mm
Maximum cutting thickness		1 - 20 mm
Grid cutting		YES
Pressure of air compressor		0.3 - 0.45 MPa
Arc start		HF START
Weight		7 kg
Connection voltage		230 V ± 10 % V

### ACCESSORIES



GROUND CABLE WITH CLAMP 3m



CUTTING TORCH IPT 40 4m WITH A SET OF CONSUMABLE PARTS



**WELDING  
MACHINES**



**ROBOTIZATION &  
AUTOMATIOZATION**



**LASER & PLASMA  
CUTTING**



**COLLABORATIVE  
ROBOTS**

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DAIHEN VARSTROJ

