

# MULTIFUNCTIONAL MIG WELDING MACHINE

## INVAMIG 400 PRO / 500 PRO / 600 PRO



**CONTROL ON POWER SOURCE AS WELL AS WIRE FEEDER**

- SS
- MS
- Flux core
- SS-Alloy
- MS-Alloy

### Functions:

- Soft-start ignition.
- Adjustable welding current / voltage, crater current / voltage, arc characteristics control.
- 2/4 step welding mode selection facility.
- Preflow & Postflow adjustment.
- Burn back time Adjustment.
- Welding wire diameter selection facility.
- Welding voltage and welding current displayed digitally.
- Protective functions : over-temperature, over current, under / over voltage, single phasing, Over Temperature, Short Circuit.

### Features:

- Designed with high open circuit voltage and slow wire feeding speed for smooth and steady arc striking / initiation.
- Excellent FTT - Globule control circuit makes positive striking of arc.
- The function of crater filler, to improve the quality at the end of weld.
- Ignition time out.
- Double fan for better cooling.
- Burn back adjustment with digital control.
- Error code display for abnormal operation.

#### INPUT

3 PHASE  
50/60 Hz

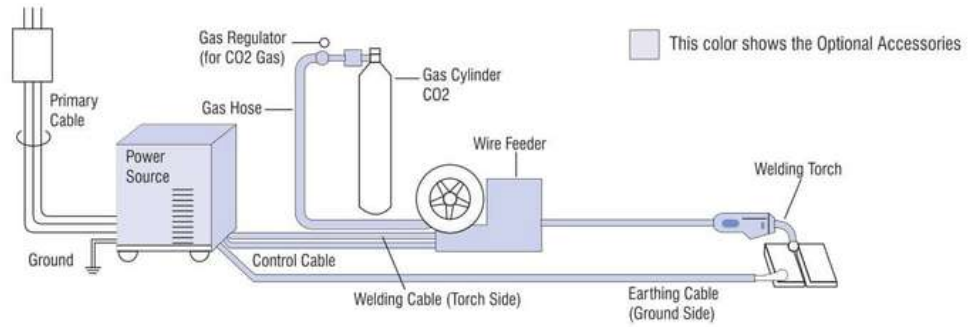
#### OUTPUT

CV  
CC  
DC

**EXCELLENT WELDING FOR HIGHER PERFORMANCE**

Consistency in quality & service **40** years

## CONNECTION DIAGRAM



## TECHNICAL SPECIFICATION POWER SOURCE

PARAMETER	INVAMIG 400 PRO	INVAMIG 500 PRO	INVAMIG 600 PRO
Rated Input Supply	3 ph, 415 VAC +/- 15% , 50/60 Hz		
Power Factor	0.99		
Protection	IP- 21		
Insulation Class	H		
Rated input current (A)	23.5	34	38
Rated MCB Capacity (A)	40	63	63
Rated input Capacity (KVA)	16	23	30
No Load Voltage (VDC)	74	80	80
Out put Current Range (A)	20 - 400	20 - 500	20 - 600
Out put Voltage Range (V)	16 - 34	12 - 40	12 - 44
Crater Current Range (A)	20 - 400	20 - 500	20 - 600
Crater Voltage Range (V)	12 - 40	12 - 40	12 - 44
Duty Cycle (%)	60	60	60

## WIRE FEEDER

PARAMETER	DWF-2	DWF-4
Applicable Spool Size	300mm dia 15 kg (max)	300mm dia 15 kg (max)
Drive Roller	2 Roll	4 Roll
Input Supply (VDC )	24	24
Wire Size	0.8, 1.0,1.2	0.8, 1.0,1.2,1.6
Feed Rate (mtr/min)	1 - 21	1 - 21

## WELDING TORCH

PARAMETER	WT-3510
Max Current Capacity ( A)	350
Duty Cycle (%)	60% (Ar) / 30 % (MAG)
Weight (kg)	2.7
Cooling Type	Gas Cooled
Wire Size	0.8, 1.0,1.2

## SCOPE OF SUPPLY

1. POWER SOURCE :- 01 No
2. MIG WELDING TORCH :- 01 No
3. WIRE FEEDER :- 01 No
4. INTERCONNECTING CABLE 01 No
5. GAS FLOWMETER /REGULATOR 01 No



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