



for Welding Excellence

ROBOTIC APPLICATION BASED MIG/MAG WELDING MACHINE

INVA MIG 400 R | INVA MIG 600 R

Consistency
in quality
& service **30**
Years

SIGNAL SUPPORT TO INTEGRATE WITH ROBO

- ▶ Voltage set signal(R-P)
- ▶ Current control signal(R-P)
- ▶ Arc on signal(R-P)
- ▶ Gas check signal(R-P)
- ▶ Wire inch forward signal(R-P)
- ▶ Wire inch reverse signal(R-P)
- ▶ Weld current sense signal(P-R)
- ▶ Gas flow signal(P-R)

P - POWER SOURCE

R - ROBO CONTROLLER

plz refer the connection diagram

FEATURES

- ▶ Suitable for all position welding of mild steel, stainless steel, carbon steel & its alloys etc. for both solid wire and flux-cored welding wire with the diameter of Φ 0.8 / Φ 1.0 / Φ 1.2 / Φ 1.6 mm.
- ▶ High speed welding can be done even with low voltage for high productivity.
- ▶ Compatible with every robot for welding.
- ▶ Burn back control for excellent FTT.
- ▶ Negligible spatter formation.



**COST-EFFECTIVE
SOLUTION**

ALREADY CONFIGURED WITH

- ABB
- YASKAWA-MOTOMAN
- UNIVERSAL
- KUKA

INPUT

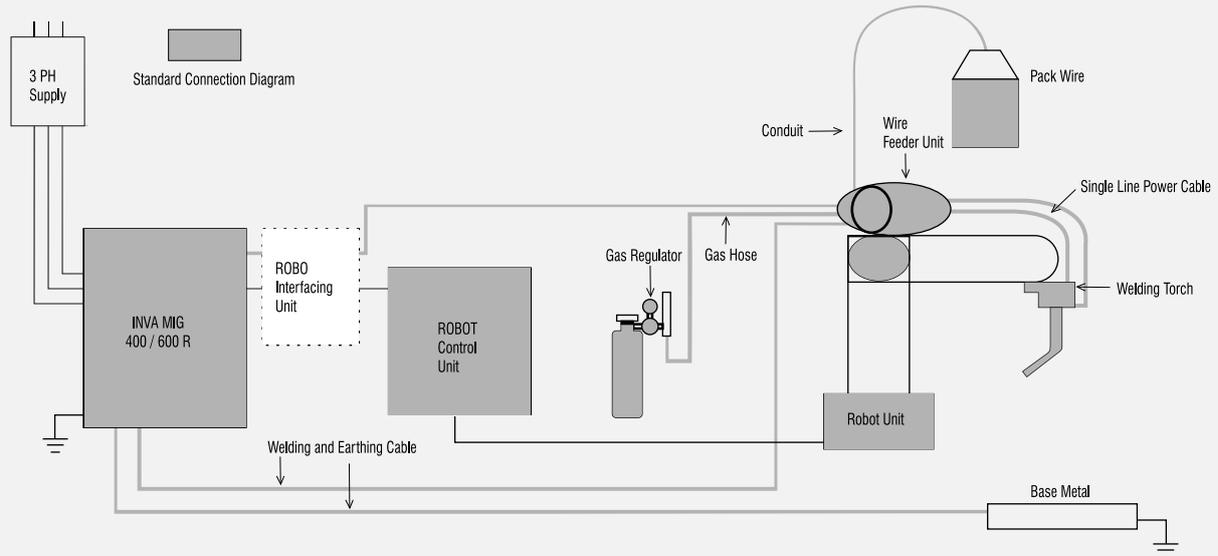


OUTPUT



Excellent Welding for Higher Performance...

CONNECTION DIAGRAM



TECHNICAL SPECIFICATIONS

PARAMETERS	INVA MIG 400 R	INVA MIG 600 R
Rated input voltage (VAC)	3Phase , 415 VAC, ± 10%, 50/60Hz	3Phase , 415 VAC, ± 10%, 50/60Hz
Power factor	0.99	0.99
Protection class	IP 23	IP 23
Insulation class	H	H
Rated input current (A)	23.5	38
Rated input capacity (KVA)	16	30
Open circuit voltage (V-DC)	74	80
Output current range (A)	60-400	60-600
Output voltage range (V)	16-34	16-44
Crater current range (V)	80-400	80-600
Crater voltage range (V)	16-34	16-44
Rated Duty cycle (%)	60	60
Dimension (LxWxH) (mm)	645 x 290 x 700	750 x 430 x 740
Weight (approx) (kg)	60	87

AVAILABLE WITH TAILOR-MADE WIRE FEEDER AND WELDING TORCH

STANDARD SCOPE OF SUPPLY

Power Source	1 No.
Inter-Connection Cable (Welding Cable - 3 Mtr, Earthing Cable- 3 Mtr)	1 No.
Wire Feeder	1 No.
Gas flow meter/regulator, Gas Pre heater	1 No.

OPTIONAL ACCESORIES AND SPARES

- Welding Torch • Wire liner • Torch holding bracket • Shock Sensor • Wire Dome • Cleaning & Cutting station
- Wire push system(For Dome) • Wire sensor • Touch Sensor • Gas Sensor



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(In view of continuous development, we reserve the right to modify the design and / or dimensions without notice)



ISO 9001 : 2008