

MIG-M-400/ 500/ 630



Features and benefits




- Industrial standard quality, durable structure
- Multi-processes, including stick, simple TIG, GMAW and gouging
- Unique IGBT soft switch technology guarantees higher efficiency and longer lifespan
- 2/4T work cycle, suitable for short/long weld seam
- Automatic creep start and burnback, greatly improve arc start performance
- Crater filling current and voltage controlled
- Arc control, choose the balance between deep penetration and less spatter
- Arc force control in MMA process
- High duty cycle at 40C and 10 minutes condition, up to 60%

Standard equipments

- 1 Power source
- 1 Connected primary cable L=3m
- 1 Ground cable L=3m
- 1 Gas-cooled (or watercooled) torch L=3m
- 1 Wire feeder with Europe connection

Process









Process: CO₂ /MAG (GMAW) /Stick (SMAW) / Simple TIG (GTAW)/ Gouging

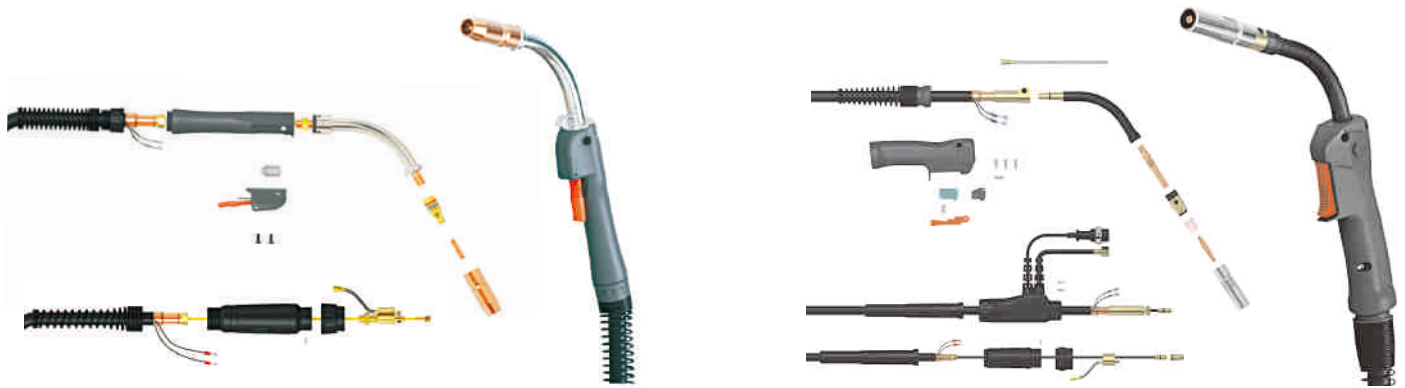
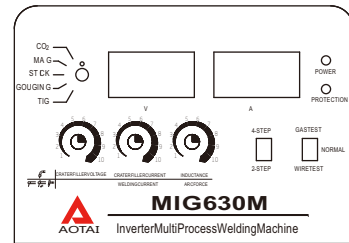
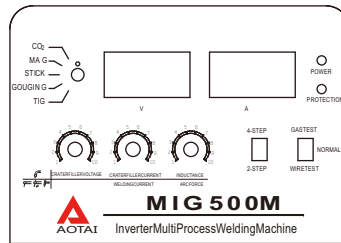
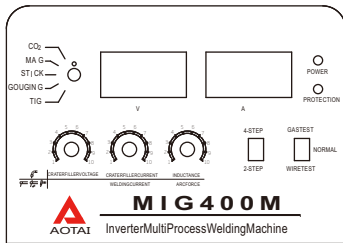
Output 

 Input 

Recommended Applications

Machinery industry
 Shipbuilding and offshore engineering
 Metal shop
 Industry plant construction

Spare parts-MIG-M-400/ 500/ 630

| Pictures |  |  |  |  |  |  |  |  |
|----------|---|---|---|---|--|---|---|---|
| Item | Rectifier | IGBT module | Fast recovery module | Main control board | Drive board | Main transformer | Power transformer I | Power transformer II |
| MIG400M | 735005-00002 | 735007-00048 | 735006-00029 | 210580-00420 | 210310-00020 | 220629-00023 | 763001-00067 | 763001-00062 |
| MIG500M | 735005-00003 | 735007-00038 | 735006-00029 | 210580-00078 | 210310-00032 | 220629-00015 | 763001-00067 | 763001-00062 |
| MIG630M | 735005-00003 | 735007-00073 | 735006-00018 | 210580-00078 | 210310-00032 | 220629-00016 | 763001-00067 | 763001-00062 |



Specification

| Model | UNIT | MIG-M-400 | | MIG-M-500 | | MIG-M-630 | |
|-----------------------------------|-------|------------------------------------|---------|------------------------------------|---------|------------------------------------|---------|
| | | CC mode | CV mode | CC mode | CV mode | CC mode | CV mode |
| Supply voltage | Volt | 415 | 415 | 415 | 415 | 415 | 415 |
| Phase | No | 3 | 3 | 3 | 3 | 3 | 3 |
| Input KVA @ 100% Duty cycle | KVA | 10.9 | 9.3 | 17.2 | 16.2 | 35.6 | 34.7 |
| Welding current range | Amp | 30-400 | 60-400 | 30-500 | 60-500 | 30-630 | 60-630 |
| Open circuit voltage | Volt | 29.5 | 79 | 29.5 | 88 | 29.5 | 99.4 |
| Welding current @ 60% Duty cycle | Amps | 400A | | 500A | | | |
| Welding current @ 100% Duty cycle | Amps | 270 | 270 | 387 | 387 | 630 | 630 |
| Type of cooling | Type | Forced air | | | | | |
| Insulation class | Class | H | | | | | |
| Dimensions(LxWxH) | mm | 576x297x574 | | 636x322x584 | | 686x322x584 | |
| Weight(approx) | Kg | 40 | | 50 | | 60 | |
| Wire feeder | Type | Gas cooled/water cooled 2/4 roller | | Gas cooled/water cooled 2/4 roller | | Gas cooled/water cooled 2/4 roller | |
| Wire feed motor | Type | Printed | | Printed | | Printed | |
| Wire feed speed | m/min | 1.5~20m/min | | | | | |

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