

# MT-300i

Compact design, heavy duty powers



## Quick Specs

### ◆ Processes:

MIG,  
Flux-Cored,  
TIG,  
MMA(Stick)

### ◆ Input Power:

MT-300i:  
400V/3-PH/50-60Hz

### ◆ Rated Output at 40°C (104°F):

MT-300i: 300A/22V/60%

### ◆ Applications:

Metal Fabrication,  
Maintenance and Repair,  
Auto Body,  
Light Industrial

## TOP Features:

- ✓ **Multi-Process capable**-Welds MIG, flux-cored and MMA(stick), TIG.
- ✓ **Superior MAG Process**-Welds with mixed or CO shielding gas 2 for superior quality welding.
- ✓ **Spot/Stitch mode** is easy to operate and provides a quick and effective means for spot welding mild, galvanized or stainless materials.
- ✓ **4T Trigger Hold** allows to hold the present current by user until press the trigger again.
- ✓ **Professional 4-rolls wire-feeder** provides a stable wire speed.
- ✓ **10 Pins multipurpose AMP connectors** extend the usage range and it's easy to work with a push-pull torch or spool gun.
- ✓ **Fast, precise, clean arc ignition and arc ending.**

## Advanced MIG/MAG

- ◆ In the advanced MIG mode, MIG/MAG welding is carried out in inert gas with automatic wire feed. With this mode, a high welding speed and excellent quality are offered without any extra costs in the processing of ferrous metals, as well as various steels.



## Four-rollers Drive Systems

- ◆ **4-Roll wire-feeder with strong feeding motor**  
Four-rollers drive systems deliver the electrode to the welding torch. It provides a stable wire speed and is popular for industrial applications.



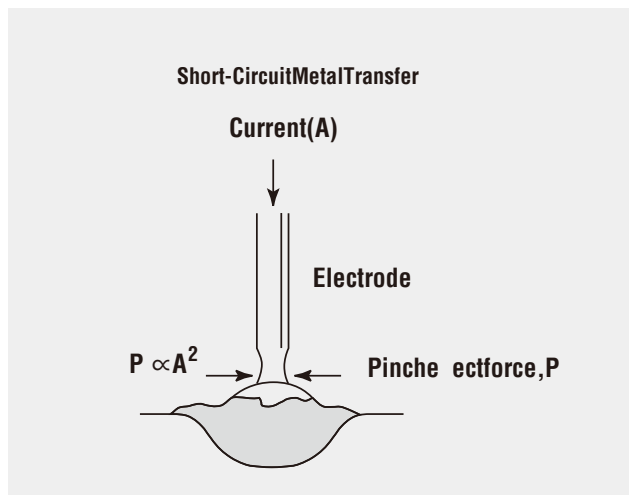
## Spot/Stitch Mode

- ◆ Use the spot and cycle arc timer you can easily control the welding time and the stitch length during the continue spot welding jobs.
- ◆ Spot/Stitch mode provides a quick and effective means for spot welding mild, galvanized or stainless materials. Very useful for the car body repairs.



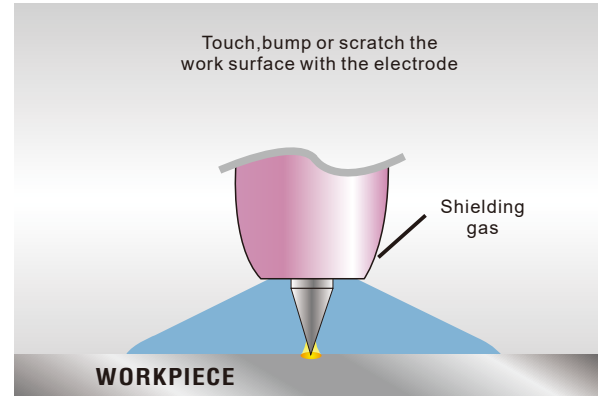
## The short-circuiting metal transfer mode

- ◆ The short-circuiting metal transfer mode is the low heat input mode of metal transfer for GMAW and has higher electrode efficiencies, 93% or more. The low heat input reduces weldment distortion and makes it ideal for sheet metal thickness materials.



## Lift TIG Mode

- ◆ Lift TIG Mode provides TIG arc initiation without the use of high frequency. Touch, bump or scratch the work surface with the electrode to start the arc. It also has a good result in tig welding.



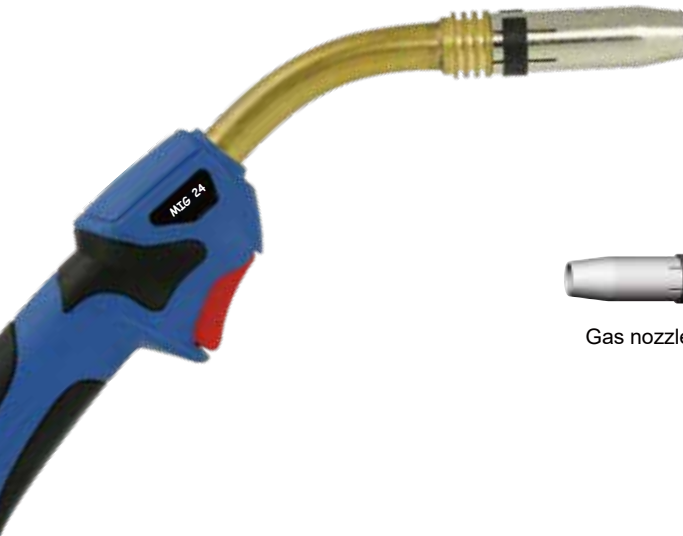
## Technical Specifications

Item No	MT-300i
Rated Input Voltage	3PH ~ 400V ±15%
Max. Load Power Capacity	12.04KVA
Rated Duty Cycle(40 °C) 60%	TIG: 300A/22V
	MIG: 250A/26.5V
	MMA: 250A/28V
100%	TIG:250A/20V
	MIG: 250A/26.5V
	MMA:250A/30V
Welding Current/Voltage Range	TIG:30A/11.2V~300A/22V
	MIG: 30A/15.5V~300A/29V
	MMA:30A/21.2V~300A/32V
Open Circuit Voltage	70V~80V
Power Factor	0.85
Efficiency	85%
Pre-Gas Time	Preset
Flow-Gas Time	Preset
Wire-feed Mechanism	4 Rollers
Wire-feed Speed Range	0~25m/ min
Wire Spool Capacity	300mm (15kg)
Filler Wires Ø (mm) Fe, Ss:	0.6~1 2 mm
Dimension (LxWxH)	790x250x650mm
Weight (KG)	32KG

# Accessories

## Standard accessories

MIG-24



Gas nozzle

Technical data (EN 60 974-7):

Rating:	250 A CO <sub>2</sub>
	220 A mixed gas M21 (DIN EN ISO 14175)
Duty cycle:	60%
Wire size:	φ 0.8–1.2 mm



Contact tip



Contact tip holder



Gas diffuser



Electrode holder with cable 2M  
Earth clamp with cable 2M



TIG torch: TIG 26  
Gas connector: M16  
Cable length 4M  
5-pin control coupler

## Optional accessories

BINZEL MB EVO PRO 24



Technical data (EN 60 974-7):

Rating:	250 A CO <sub>2</sub>
	220 A mixed gas M21 (DIN EN ISO 14175)
Duty cycle:	60%
Wire size:	φ 0.8–1.2 mm



Argon gas regular  
or CO<sub>2</sub> gas regular with heater



Push-pull Torch:  
QTLB-24KD/36KD