

# Migmatic® 250/250 DX

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**MIG Arc Welding  
Power Source**



**Quick  
Specs**



## Applications

Auto Body Repair  
Trailer Fabrication  
Container Repairs  
Exhaust Manufacture  
Maintenance Repair

## Process

MIG  
Flux Cored

**Input Power:** 230/400 V 3 Phase

**Rated Output:** 250 A at 26,5 VDC 35% DC

**Wire Feed Speed:** 1.3 - 20 m/min.

**Weight:** 73,0 kg

## The Power of Blue.®

**DX model Features easy-to-use Synergic user interface with digital display** makes set up very simple and gives you precise settings for a variety of materials instantly.

**Manual Mode** allows you to manually set weld parameters for broader applications.



**Spool-Gun with Auto-Detect** provides reliable and economical welding of aluminium. (DX models only)

**Thermal overload protection** Shuts down the power source output, if overheating of either the main transformer or rectifier occurs.

**Industrial dual-gear-driven**, features no-tool, quick-change reversible drive rolls (0,8 - 1,0 mm) an easy-to-set, scaled, tension adjustment knob.

**Professional wire drive motor** tackles even the most demanding applications!



**Ergonomic, easy to operate controls** Allows the operator to set-up.

**Superior performance arc control technology** provides the operator with state-of-the-art class leading performance on a wide variety of materials.

### Industrial MIG Systems with:

- H/Duty power source
- 10 Voltage steps
- H/Duty wire feed system
- 0.8/1.0 mm drive rolls
- H/Duty ground cable and clamp
- H/Duty Running gear and Bottle rack

**Traditional tapped design and Laminated Inductor** provides a stable, smooth Arc operators appreciate.

**Convenient consumable compartment** provides convenient storage space for contact tips, nozzles, drive rolls etc.

**Adjustable Run-In control** allows the user to optimise arc starts reducing wire stubbing or arc flaring. (DX models only)

**Spot Weld Timer** provides consistent spot welds every time. (Base models only)

**Adjustable Burn-back controls** allows the user to optimise arc starts and stops, reducing wire stubbing or wire burning back into the contact tip.



Power source is warranted for 3 years, parts and labour.



### ITW Welding Products

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## Specifications



Rated Output	Voltage Range	Wire Type and Diameter	Amps Input at rated output, 50 Hz, 230/400 VAC	Max. Open-Circuit Voltage	Wire Feed Speed	Dimensions
250 A at 24 VDC 26,5% Duty Cycle	17-43 V	Solid Wire: 0.6 - 1.2 mm Flux cored: 0.9 - 1.2 mm Stainless Steel: 0.8 - 1.0 mm Silicon Bronze: 0.8 - 1.0 mm Aluminum: 0.8 - 1.2 mm Aluminum Spool Gun: 0.8 - 1.0 mm	27/16	43 VDC	1.3 - 20 m/min.	H: 575 mm W: 350 mm D: 920 mm

## Drive Roll & Drive Roll Kits

Wire Size	V- groove	U- groove	V- groove, knurled
0,6/0,8 mm	<b>156 053 051</b>		
0,8/1,0 mm	<b>156 053 109*</b>	<b>156 053 053</b> <b>156 053 111 (Spool-Gun only)</b>	
1,0/1,2 mm	<b>156 053 052</b>	<b>156 053 054</b>	<b>156 053 110</b>

\* Supplied

## Ordering Information

Power Source	Stock No.	Description
<b>Migmatic 250</b>	<b>029 015 524</b>	230 VAC, 3 Phase, 50 Hz
<b>Migmatic 250 DX</b>	<b>029 015 525</b>	230 VAC, 3 Phase, 50 Hz
<b>Accessories</b>		
Drive Roll Kit		See Drive Roll Kits table above
Spool-Gun (DX models only)	<b>058 020 018</b>	Spool-Gun with Euro adapter and plug Amphenol
Spool-Gun with carrying case (DX models only)	<b>058 020 019</b>	Spool-Gun with Euro adapter, carrying case and plug Amphenol

