



Arc & TIG Welders

**PREMIUM BRAND.
FIRST CLASS
RESULTS.**



Trusted by the best





Dynasty & Maxstar Series

**FOR TIG WELDING
SPECIALISTS WHO
WELD DAY IN, DAY OUT.**

UNMATCHED & UNRIVALLED

First class results. Get exceptionally smooth clean welds, fine precision and superior arc control every time you weld.

RAISES THE BAR

Ultimate capabilities. For the most demanding applications, materials and welding positions, Miller TIG machines have the most advanced features on the market.

RELIABILITY & REPEATABILITY

Consistency is key. Get the same quality results day in, day out.

INSPIRES GREATNESS

Unique features exclusive to Miller will allow you to get the job done better, faster, safer.

STRENGTH. PERFORMANCE. RESULTS.

Simply the best. Red Bull Racing V8 Supercars and PWR performance products only rely on Miller. The results and performance are that good they won't use anything else and we've got proof.



WATCH THE TRIPLE 8
RACING TESTIMONIAL



WATCH THE PWR
TESTIMONIAL

Specifications

DESCRIPTIONS	DYNASTY 210DX	DYNASTY 400	MAXSTAR 210DX	MAXSTAR 400
Processes	AC/DC TIG, Stick, Pulsed TIG	AC/DC TIG, Stick, Pulsed TIG, Air Carbon Arc	DC TIG, Stick, Pulsed TIG	DC TIG, Pulsed TIG, Stick, Air Carbon Arc
Supply Voltage	240V 415V 480V 50/60Hz	415V 50/60Hz	240V 415V 480V 50/60Hz	415V 50/60Hz
Phase	Single & 3 Phase	3 Phase	Single & 3 Phase	3 Phase
Fitted Plug Rating	15 Amp	-	15 Amp	-
Welding Current Range - TIG	2 - 210 A (AC) 1 - 210 A (DC)	3 - 400 A	1 - 210 A (DC)	3 - 400 A
Welding Current Range - Stick	5 - 210 A	3 - 400 A	5 - 210 A	3 - 400 A
TIG Welding Output	3 Phase 210 A @ 18.4 V, 60% 175 A @ 17 V, 100% Single Phase 210 A @ 18.4 V, 40%	3 Phase 250 A @ 30 V, 100% 300 A @ 32 V, 60% 400 A @ 36 V, 20%	3 Phase 210 A @ 18.4 V, 60% 175 A @ 17 V, 100%	3 Phase 250 A @ 30 V, 100% 300 A @ 32 V, 60% 400 A @ 36 V, 20%
Stick Welding Output	3 & Single Phase 210 A @ 28.4 V, 30% 125 A @ 25 V, 100%	3 Phase 250 A @ 30 V, 100% 300 A @ 32 V, 60% 400 A @ 36 V, 20%	3 Phase 210 A @ 28.4 V, 30% 125 A @ 25 V, 100% Single Phase 210 A at 28.4 V, 25% 110 A at 24.4 V, 100%	3 Phase 250 A @ 30 V, 100% 300 A @ 32 V, 60% 400 A @ 36 V, 20%
Max. Open Circuit Voltage - VRD	80 V DC (11 V DC, VRD*)	75 V DC (10 - 15 V DC, VRD*)	80 V DC (11 V DC, VRD*)	75 V DC (10-15 V DC, VRD*)
Min. Generator Requirement	6.0 kVa	20 kVa	5.2 kVa	18 kVa
Power Source Dimensions	H: 346mm W: 219mm D: 569mm	H: 629mm W: 349mm D: 559mm	H: 346mm W: 219mm D: 495mm	H: 629mm W: 349mm D: 559mm
Weight	21.3kg (22.7kg with CPS)	61kg (114kg with TIG Runner)	17.2kg	61kg (114kg with TIG Runner)
Australian Standards	AS1672.2 2007 Category C AS 60974.1	AS1672.2 2007 Category C AS 60974.1	AS1672.2 2007 Category C AS 60974.1	AS1672.2 2007 Category C AS 60974.1

* Indicates sense-voltage for Lift-Arc TIG and VRD Stick



3 YEAR
WARRANTY

TIG

Dynasty 210DX & 400

Dynasty 210DX - MR907686003-1, Dynasty 400 - MR907717002

The Most Premium & Advanced AC/DC TIG Stick Welders on the Market

✓ MORE CONSISTENT ARC STARTS

✓ GREATER RELIABILITY

✓ BETTER PERFORMANCE & RESULTS

✓ BOOSTED PRODUCTIVITY

✓ HIGHEST QUALITY ALUMINIUM WELDS



WELDABLE MATERIALS

- > Aluminium
- > Titanium
- > Stainless Steel
- > Copper

SUITABLE APPLICATIONS

- > Precision Fabrication
- > Aerospace
- > Automotive
- > Infrastructure
- > Construction
- > Defence
- > Manufacturing
- > Metal Fabrication
- > Aluminium
- > Marine Fabrication

VRD

In built Voltage Reduction Device, provides Low Open Circuit voltage for extra safety. With VRD enabled the machine is suitable for use in AS1674.2 category C environments.
NOTE: VRD is selectable by front panel button combination.

Strength. Performance. Results.

Dynasty & Maxstar Features

BLUE LIGHTNING

Blue Lightning™ high-frequency (HF) arc starter for non-contact arc initiation. Provides more consistent arc starts and greater reliability.

FAN ON DEMAND

Variable speed fan adjusts to match cooling requirements - reducing noise, energy use and the amount of contaminants pulled through the machine.

HOT START

Adaptive control provides positive arc starts without sticking.

PULSE

Pulsing can increase puddle agitation, arc stability and travel speeds while reducing heat input and distortion.

EXCEPTIONALLY SMOOTH & PRECISE ARC

For DC TIG welding exotic materials.

COOLER POWER SUPPLY

An integrated 120-volt dedicated use receptacle for the Coolmate 1.3 (Dynasty 210DX) and Coolmate 3.5 (Dynasty/Maxstar 400).

DIG CONTROL

Allows the arc characteristics to be changed for specific applications and electrodes.

WIND TUNNEL TECHNOLOGY

Protects internal components from airborne contaminants, extending product life.

METER CALIBRATION

Allows digital meters to be calibrated for certification.

Exclusive to Dynasty Models

ADVANCED SQUAREWAVE

Fast freezing puddle, deep penetration and fast travel speeds.

SINE WAVE

For customers that like a traditional arc. Quiet with good wetting.

TRIANGULAR WAVE

Reduces the heat input and is good on thin aluminum. Fast travel speeds.

SOFT SQUAREWAVE

For a soft buttery arc with maximum puddle control and good wetting action.

AC TIG BALANCE CONTROL

Provides adjustable oxide removal which is essential for creating the highest quality aluminum welds.

INDEPENDENT ELECTRODE POSITIVE & NEGATIVE

Allows amperage values to be set independently for further control of the weld profile and arc cleaning action.

AC TIG FREQUENCY CONTROL

Controls the width of the arc cone and can improve directional control of the arc.

Exclusive to 210DX Models

PRO-SET TECHNOLOGY

Eliminates the guesswork when setting weld parameters. Use Pro-Set when you want the speed, convenience and confidence of preset controls.

EXCLUSIVE AUTO-LINE TECHNOLOGY

Allows for any input Voltage hookup (240-480 V) with no manual linking, providing convenience in any job setting.

SLEEP TIMER

Conserves electricity. This programmable feature will power down the machine if it sits idle for a specified time.

UPDATE & EXPAND

Front panel memory data card port provides the ability to easily update software and expand product features.

RATED FOR USE WITH 15 AMP PLUG

Note: 3 Phase supply cable will need to be replaced to suit an Australian 15 Amp supply plug.

STICK-STUCK

Detects if the electrode is stuck to the part and turns the welding output off to safely and easily remove the electrode. Menu selectable.

Exclusive to 400 Models

PROGRAM MEMORY

Features 9 independent program memories that maintain/save your parameters.

LIFT-ARC STARTING

Provides AC or DC arc initiation without the use of high frequency.

AUTO-POSTFLOW

Calculates the length of postflow time based on the Amperage setting. This eliminates the need to independently set the postflow time for different Amperages. This feature preserves your tungsten and prevents porosity.



**DOWNLOAD THE SPEC SHEETS
VISIT WELDING.COM.AU**



Maxstar 210DX & 400

Maxstar 210DX - MR907684001-1, Maxstar 400 - MR907716002



The Most Premium DC TIG Stick Welders in Their Class

- ✓ INCREASES PUDDLE AGITATION
- ✓ IMPROVES ARC STABILITY
- ✓ REDUCES INPUT & DISTORTION
- ✓ BOOSTS TRAVEL SPEEDS
- ✓ PROVIDES AN EXCEPTIONALLY SMOOTH & PRECISE ARC

WELDABLE MATERIALS

- > Titanium
- > Copper
- > Stainless Steel

SUITABLE APPLICATIONS

- > Precision Fabrication
- > Food & Beverage
- > Petro Chemical
- > Dairy
- > Pipe Welding

VRD

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Auto-Darkening Welding Helmets

THE PERFECT PARTNER FOR
MILLER ARC & TIG WELDERS



P/N 271329 P/N 271332 P/N 257213 P/N 257217 P/N 257218

For more information call our Customer Support
Team on 1300 300 884 or visit welding.com.au



Trusted by the best



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