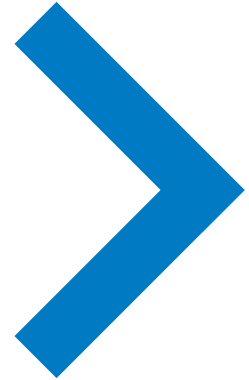


# Dynasty<sup>®</sup> 400

Part No: MILDYNASTY400CE



# Exceptionally Smooth & Precise Arc.



APPLICATIONS	PROCESSES
Precision Fabrication	TIG (GTAW)
Heavy Fabrication	Stick (MMAW)
Aerospace	Pulsed TIG (GTAW-P)
Pipe and Tube Fabrication	Air Carbon Arc (CAC-A)
Aluminium Ship Repair	
Anodized Aluminium Fabrication	

### FAN-ON-DEMAND™

Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.

### PROGRAM MEMORY

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

### 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.

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## AC TIG FEATURES

**INDEPENDENT AMPLITUDE/AMPERAGE**

**BALANCE CONTROL**  
Provides adjustable oxide removal which is essential for creating the highest quality aluminum welds. Features extended ranges.

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

## DC TIG FEATURES

**EXCEPTIONALLY SMOOTH AND PRECISE ARC**  
For welding exotic materials.

**AC/DC PULSE**  
Pulsing can increase puddle agitation, arc stability and travel speeds while reducing heat input and distortion.

## AC/DC STICK FEATURES

**DIG CONTROL**  
Allows the arc characteristics to be changed for specific applications and electrodes. Lower the DIG setting for smooth running electrodes like E7018 and increase the DIG setting for stiffer, more penetrating electrodes like E6010.

**HOT START™ ADAPTIVE CONTROL**  
Provides positive arc starts without sticking.

**AC FREQUENCY CONTROL**  
Adds stability for smoother welds when AC Stick welding.

**METER CALIBRATION**  
Allows meters to be calibrated for certification.

## AC WAVEFORMS

**ADVANCED SQUAREWAVE**  
 Fast freezing puddle, deep penetration and fast travel speeds.

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

**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.

**LIFT-ARC™ STARTING**  
Provides AC or DC arc initiation without the use of high frequency.

**BLUE LIGHTNING™**  
High-frequency arc starter for non-contact arc initiation. Provides more consistent arc starts and greater reliability.

**VRD FUNCTIONALITY**  
Comes with Voltage Reduction Device (VRD), compliant with AS1672.2 2007 Category C Environment.  
Please note: VRD can be disabled in Advanced Tech Menu by pressing a combination of unmarked buttons.

**WIND TUNNEL TECHNOLOGY™**  
Protects internal electrical components from airborne contaminants, extending the product life.

**3 YEAR WARRANTY**  
For details, refer to Miller's True Blue warranty statement.

**COOLER POWER SUPPLY (CPS)**  
An integrated 120-volt dedicated-use receptacle for the Coolmate™ 3.5.

AMP RANGE	PHASE	RATED OUTPUT	AMPS INPUT AT RATED OUTPUT, 50/60 HZ			MAX. OPEN-CIRCUIT VOLT.	DIM. (MM)	WEIGHT
			400V	KW	KVA			
3 - 400A	3	400 A at 36 V 20% Duty Cycle	28	18.6	19.4	75 VDC (10-15 VDC-VRD*) *Indicates sense-voltage for Lift-Arc™ TIG and VRD stick.	H: 629 W: 349 D: 559 with TIGRunner H: 1095 W: 587 D: 1111	61kg with TIGRunner 114kg
		300 A at 32 V 60% Duty Cycle	19	12.5	13.1			
		250 A at 30 V 100% Duty Cycle	14	9.8	10.3			