

# Dynasty<sup>®</sup> 350 and 700

Issued January 2011 • Index No. AD/5.0

**TIG/Stick Welding**  
**Power Source** 

## Quick Specs



### Industrial Applications

Precision Fabrication  
Heavy Fabrication  
Pipe and Tube Fabrication  
Aerospace  
Aluminum Ship Repair  
Anodized Aluminum Fabrication

### Processes

TIG (GTAW)  
Pulsed TIG (GTAW-P)  
Stick (SMAW)  
Air Carbon Arc (CAC-A)  
350: 1/4 in maximum  
700: 3/8 in maximum

**Input Power** 208–575 V, 3- or 1-Phase

**Amperage Range** **350:** 3–350 A  
**700:** 5–700 A

**Rated Output** **350:** 300 A at 32 V, 60% Duty Cycle  
**700:** 600 A at 44 V, 60% Duty Cycle

**Weight** **350:** 135.5 lb (61 kg)  
**700:** 198 lb (90 kg)

## The Power of Blue.<sup>®</sup>



Allows for any input voltage hookup (208–575 V) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable power.

**Meter calibration** allows meters to be calibrated for certification.

**120 V auxiliary power** receptacle for cooling system or small tools.

**Wind Tunnel Technology<sup>™</sup>** protects internal electrical components from airborne contaminants, extending the product life.

**Fan-On-Demand<sup>™</sup>** power source cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through the machine.

**Blue Lightning<sup>™</sup>** high-frequency arc starter for non-contact arc initiation. Provides more consistent arc starts and greater reliability compared to traditional HF arc starters. Easy to set and increases productivity.

**Lift-Arc<sup>™</sup>** start provides AC or DC arc starting without the use of high frequency.

**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.



Miller recommends  
**MAXAL**  
aluminum filler.

**Dynasty 350 machine only**

**Dynasty 350 Complete Package with Wireless Foot Control**

### Stick Features (AC/DC)

**Tailored arc control (DIG)** allows the arc characteristic to be changed for specific applications and electrodes. Smooth running 7018 or stiffer, more penetrating 6010.

**Hot Start<sup>™</sup>** adaptive control provides positive arc starts without sticking.

**AC frequency control** adds additional stability when Stick welding in AC for smoother welds.


### AC TIG Features


**Independent amplitude/amperage control** allows EP and EN amperages to be set independently to precisely control heat input to the work and electrode.


**Extended AC balance** (30–99%) controls the amount of oxide cleaning (amperage time in EN) which is essential for high quality welds on aluminum.


**AC frequency** (20–400 Hz) controls the width of the arc cone and the force of the arc.

### AC Waveforms

 **Advance 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.

### DC TIG Features

**Exceptionally smooth** and precise arc for welding exotic materials.

**High-speed DC TIG pulse controls.** Pulse frequency capable of pulsing 5000 pulses per second. Pulsing adds arc stability, reduces heat input and warpage and can increase travel speeds. Other parameters include peak amperage, peak time and background amperage.



Power source is warranted for 3 years, parts and labor.  
Original main power rectifier parts are warranted for 5 years.

MADE IN **USA**  
APPLETON, WI



**Miller Electric Mfg. Co.**  
An Illinois Tool Works Company  
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Appleton, WI 54914 USA

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FAX: 800-637-2315  
International Phone: 920-735-4554  
International FAX: 920-735-4125

**Web Site**  
www.MillerWelds.com



# Specifications (Subject to change without notice.)

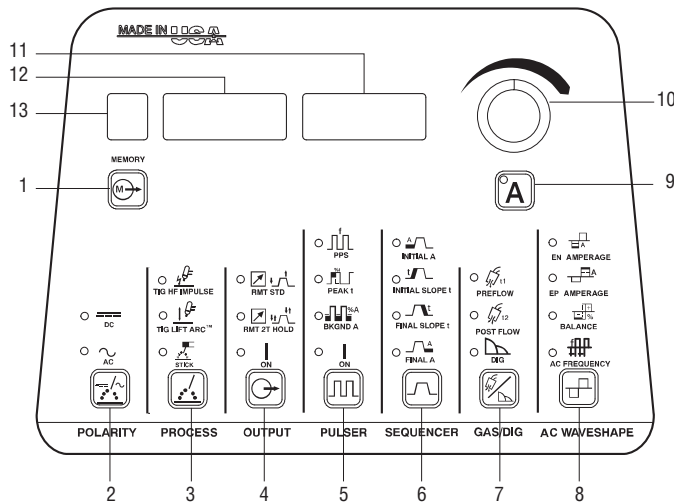


Model	Input Power	Welding Amperage Range	Max. Open-Circuit Voltage	Rated Output	Amps Input at Rated Load Output, 50/60 Hz								Dimensions	Net Weight
					208 V	230 V	400 V	460 V	575V	KVA	KW			
Dynasty 350	Three-Phase	3–350 A	75 VDC 10–15 VDC*	250 A at 30 V, 100% Duty Cycle	29	26	15	13	10	10.3	9.9	H: 24-3/4 in (629 mm) W: 13-3/4 in (349 mm) D: 22 in (559 mm) <b>with TIGRunner®</b> H: 45-1/8 in (1146 mm) W: 23-1/8 in (587 mm) D: 43-3/4 in (1111 mm)	<b>with TIGRunner®</b> 308 lb (140 kg)	
				300 A at 32 V, 60% Duty Cycle	35	32	18	16	13	12.7	12.1			
	Single-Phase	3–350 A	75 VDC 10–15 VDC*	180 A at 27.2 V, 100% Duty Cycle	35	32	—	15	12	7.4	6.8			
				225 A at 29 V, 60% Duty Cycle	47	43	—	21	17	9.8	9.1			
Dynasty 700	Three-Phase	5–700 A	75 VDC 10–15 VDC*	500 A at 40 V, 100% Duty Cycle	75	68	39	34	27	27	26	H: 34-1/2 in (876 mm) W: 13-3/4 in (349 mm) D: 22 in (559 mm) <b>with TIGRunner®</b> H: 55-1/8 in (1400 mm) W: 23-1/8 in (587 mm) D: 43-3/4 in (1111 mm)	<b>with TIGRunner®</b> 370 lb (168 kg)	
				600 A at 44 V, 60% Duty Cycle	97	88	51	44	35	35	34			
	Single-Phase	5–700 A	75 VDC 10–15 VDC*	360 A at 34 V, 100% Duty Cycle	82	74	—	37	30	17	16			
				450 A at 38 V, 60% Duty Cycle	115	104	—	52	42	24	22			

Certified by Canadian Standards Association to both the Canadian and U.S. Standards. All CE models conform to the applicable parts of the IEC 60974 series of standards.

\*Indicates sense-voltage for Lift-Arc TIG and Low OCV Stick.

## Control Panel



- 9. Amperage Control
- 10. Encoder Control
- 11. Ammeter Display
- 12. Voltmeter Display

### Additional Setup Parameter Values

#### Preprogrammed Starts

Dynasty 350 .020–3/16 in Tungsten  
Dynasty 700 .040–1/4 in Tungsten

#### Programmable Starts

Amperage Dynasty 350: 3–200 A  
Dynasty 700: 5–200 A  
Time 0–200 Milliseconds  
Ramp Time 0–250 Milliseconds  
Minimum Amperage Dynasty 350: 3–25 A  
Dynasty 700: 5–25 A

**Additional Triggers** 3T, 4T, Mini Logic,  
4T Momentary

**Waveshapes** Advance Squarewave,  
Soft Squarewave, Sine  
Wave, Triangular wave

**Amplitude Lock** EN EP Same,  
EN EP Independent

**Spot/Weld Timer** 0.0–999 Seconds

**OCV** Low OCV, Normal OCV

**Stick Stuck Check** On/Off

**Lockouts** Four levels

**Arc Timer** 0.0–9999 Hours  
and 0–59 Min

**Cycle Counter** 0–999,999 Cycles

**Meter Calibration** ±0–20.0 Amps  
±0–20.0 Volts

## Control Panel Parameter Values

<p><b>1. Memory</b> 36 Combinations (9 AC TIG) (9 AC Stick) (9 DC TIG) (9 DC Stick)</p> <p><b>2. Polarity</b> AC/DC</p> <p><b>3. Process/ Arc Starting</b> TIG: HF Impulse, Lift Arc STICK: Adaptive Hot Start</p> <p><b>4. Output Control</b> Standard Remote, 2T Trigger Hold, Output ON</p> <p><b>5. Pulser Control</b> Pulses per Second DC: 0.1–5000 PPS AC: 0.1–500 PPS Peak Time 5–95% Background Amps 5–95%</p>	<p><b>6. Sequencer Control</b> Initial Amps Dynasty 350: 3–350 A Dynasty 700: 5–700 A Initial Slope 0.0–50.0 Seconds Final Slope 0.0–50.0 Seconds Final Amps Dynasty 350: 3–350 A Dynasty 700: 5–700 A</p> <p><b>7. Gas/DIG Prewflow Postflow</b> 0.0–25.0 Seconds Auto Postflow, Adjust 0.0–50 Seconds</p> <p><b>DIG</b> 0–100%</p> <p><b>8. AC Waveshape</b> EN Amperage 3–350 A/5–700 A EP Amperage 3–350 A/5–700 A Balance 30–99% AC Frequency 20–400 Hz</p>
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# Performance Data

## DUTY CYCLE






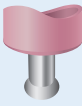
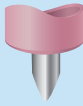
Dynasty 350		Dynasty 700	
3-PHASE		3-PHASE	
%	AMPERAGE	%	AMPERAGE
30%	350 A	30%	700 A
60%	300 A	60%	600 A
100%	250 A	100%	500 A

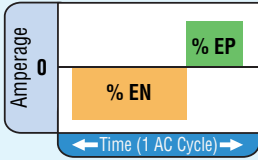
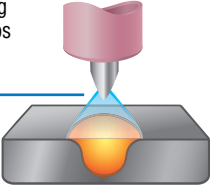
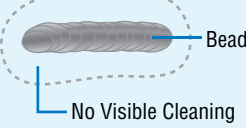
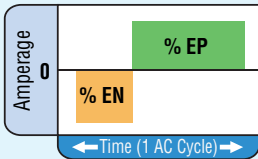
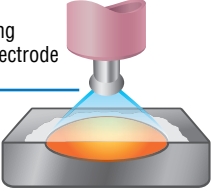
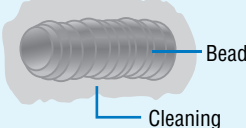
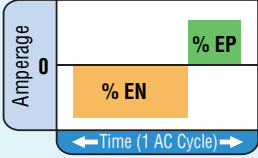
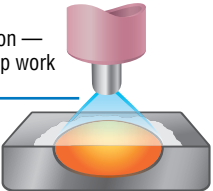
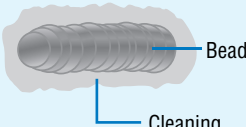
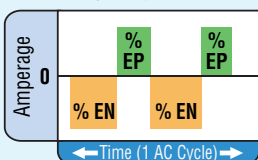
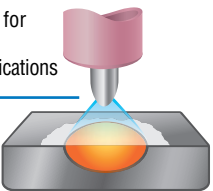
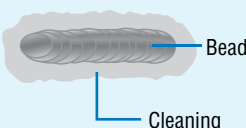
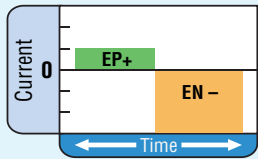
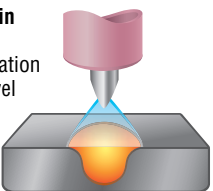
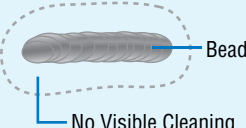
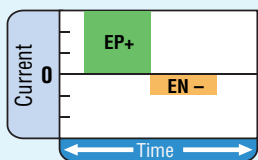
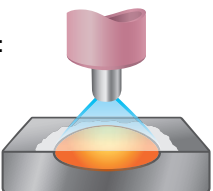
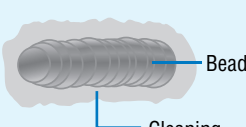
1-PHASE		1-PHASE	
%	AMPERAGE	%	AMPERAGE
10%	350 A	10%	700 A
30%	250 A	30%	500 A
60%	225 A	60%	450 A
100%	180 A	100%	360 A

# TIG Upgrade Chart

## Which Machine is Right for You?

Why Upgrade?	Syncrowave 350	Dynasty 350	Dynasty 350 Benefits
<b>Maximum Thickness Capacity</b>	1/2 in Aluminum	<b>UPGRADE</b> → 5/8 in Aluminum	Increases aluminum thickness.
<b>High Frequency Arc Starting</b>	Continuous HF	<b>UPGRADE</b> → Start Only	Start Only limits HF interference issues.
<b>Frequency Control AC Output Control</b>	Fixed at 60 Hz	<b>UPGRADE</b> → Variable 20–400 Hz	Higher frequencies provide better arc control and faster travel speeds.
<b>AC Waveforms</b>	Soft Squarewave 	<b>UPGRADE</b> → Advanced Squarewave  Soft Squarewave  Sine Wave  Triangular Wave 	Advanced Squarewave=Travel faster Soft Squarewave= Maximum puddle control Sine Wave= Traditional characteristics Triangular Wave= Reduced heat input
<b>Weld Aluminum with Pointed Tungsten</b>		<b>UPGRADE</b> → 	Waveshaping controls maintain the point. The benefits are: reduced heat input into your part, smaller weld beads, better starting and more control of the arc.
<b>Portability</b>	496 lb Manual Links 208/230/460 V Single-Phase	<b>UPGRADE</b> → 135 lb Auto-Line™ 208–575 V Single-Phase or Three-Phase	Easier to move because of size and weight. Auto-Line™ allows the unit to operate on any voltage. Single- or three-phase. Even generators!
<b>Power Draw at 300 Amps</b>	110 A at 230 V Single-Phase	<b>UPGRADE</b> → 32 A at 230 V Three-Phase	Power requirement to operate is much less. Smaller electrical service needed, smaller breaker/fuses and power cord.
<b>Precise Controls</b>	Some Digital Controls	<b>UPGRADE</b> → All Digital Controls	Accuracy and repeatability with all digital controls.

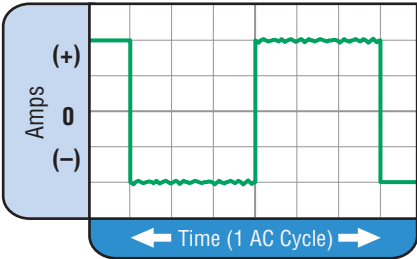
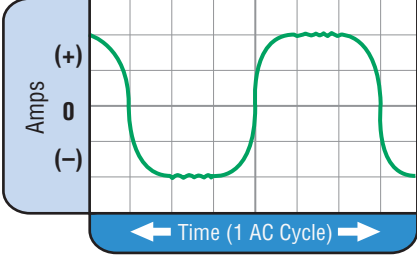
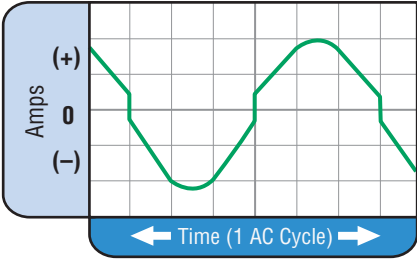
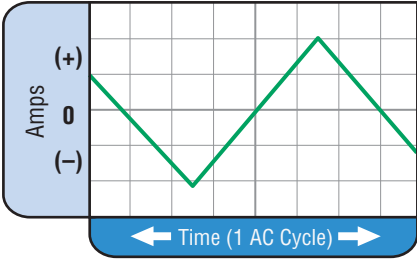
# AC Waveshape Controls

Feature	Waveform	Effect on Bead	Effect on Appearance
<b>AC Balance Control</b> Controls arc cleaning action. Adjusting the % EN of the AC wave controls the width of the etching zone surrounding the weld.  <i>Note: Set the AC Balance control for adequate arc cleaning action at the sides and in front of the weld puddle. AC Balance should be fine tuned according to how heavy or thick the oxides are.</i>	<b>51 – 99% EN</b> 	Reduces balling action and helps maintain point    Deep, narrow penetration	Narrow bead, with no visible cleaning    No Visible Cleaning
	<b>30 – 50% EN</b> 	Increases balling action of the electrode    Shallow penetration	Wider bead and cleaning action    Cleaning
<b>AC Frequency Control</b> Controls the width of the arc cone. Increasing the AC Frequency provides a more focused arc with increased directional control.  <i>Note: Decreasing the AC Frequency softens the arc and broadens the weld puddle for a wider weld bead.</i>	<b>60 Cycles per Second</b> 	Wider bead, good penetration — ideal for buildup work    Cleaning	Wider bead and cleaning action    Cleaning
	<b>120 Cycles per Second</b> 	Narrower bead for fillet welds and automated applications    Cleaning	Narrower bead and cleaning action    Cleaning
<b>Independent AC Amperage Control</b> Allows the EN and EP amperage values to be set independently. Adjusts the ratio of EN to EP amperage to precisely control heat input to the work and the electrode. EN amperage controls the level of penetration, while EP amperage dramatically effects the arc cleaning action along with the AC Balance control.		<b>More current in EN than EP:</b> Deeper penetration and faster travel speeds    No Visible Cleaning	Narrow bead, with no visible cleaning    No Visible Cleaning
		<b>More current in EP than EN:</b> Shallower penetration    Cleaning	Wider bead and cleaning action    Cleaning

## AC Waveshape Controls (Continued)

### AC Waveform Selection

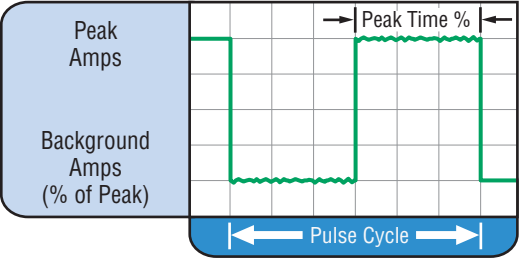
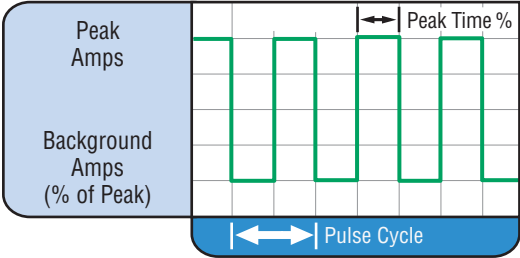
Select from four different AC waveforms to optimize the arc characteristic for your application. Choose from:

ADVANCED SQUAREWAVE	SOFT SQUAREWAVE
 <p data-bbox="615 405 797 485">Fast transitions for responsive and dynamic arc.</p>	 <p data-bbox="1313 365 1511 552">All the benefits of advanced square, fine tuned to provide a smooth, soft arc with maximum puddle control and good wetting action.</p>
SINEWAVE	TRIANGULAR WAVE
 <p data-bbox="615 726 824 856">Square transitions eliminate the need for continuous HF, while the sinewave peaks soften the arc.</p>	 <p data-bbox="1313 695 1536 959">Unconventional wave provides the punch of the peak amperage, while reducing overall heat input. Quick puddle formation reduces weld time — limiting heat input and reducing weld distortion, especially on thin materials.</p>

## Pulse TIG Controls

### High Speed DC TIG-Pulse Controls

- **PPS Pulses per second (Hz):** DC = 0.1 – 5,000 PPS / AC = 0.1 – 500 PPS
- **% ON – % Peak Time:** 5 - 95% (Controls the amount of time during each pulse cycle at the PEAK amperage.)
- **Background Amps:** 5 – 99% (Sets the low-pulse amperage value as a % of the Peak Amps.)

CONVENTIONAL PULSED TIG	HIGH SPEED PULSED TIG
 <p data-bbox="180 1644 808 1843">Typically from 1 to 10 PPS. Provides a heating and cooling effect on the weld puddle and can reduce distortion by lowering the average amperage. This heating and cooling effect also produces a distinct ripple pattern in the weld bead. The relationship between pulse frequency and travel speed determines the distance between the ripples. Slow pulsing can also be coordinated with filler metal addition and can increase overall control of the weld puddle.</p>	 <p data-bbox="870 1644 1536 1948">In excess of 40 PPS, Pulsed TIG becomes more audible than visible — causing increased puddle agitation for a better as-welded microstructure. Pulsing the weld current at high speeds — between a high Peak and a low Background amperage — can also constrict and focus the arc. This results in maximum arc stability, increased penetration and increased travel speeds (Common Range: 100 – 500 PPS). The Arc-Sharpening effects of high speed pulsing are expanded to new dimensions. The ability to pulse at 5,000 PPS further enhances arc stability and concentration potential — which is extremely beneficial to automation where maximum travel speeds are required.</p>





## Dynasty® Power Sources

**Dynasty® 350 #907 204 (CSA)**  
(Auto-Line™ 208–575 VAC)

**Dynasty® 350 #907 204-02-1 (CE)**  
(Auto-Line™ 380–575 VAC)

Includes 8 ft (2.4 m) primary cord, (2) Dinse 50 connectors, and DVD Setup Video (#251 116).

*Note: TIG torch adapter must be ordered separately.*

**Dynasty® 700 #907 101 (CSA)**  
(Auto-Line™ 208–575 VAC)

**Dynasty® 700 #907 101-02-1 (CE)**  
(Auto-Line™ 380–575 VAC)

Includes (2) thread lock weld cable connectors (#225 029), (1) water-cooled thread lock torch adapter (#225 028) for #18 or #20 torches, and DVD Setup Video (#251 116).

*Note: Primary cord and TIG torch must be ordered separately.*



## TIGRunner® Packages

**Dynasty 350 TIGRunner® #907 204-00-1 (CSA)**

*Completely assembled.*

Package includes:

- Dynasty® 350 (#907 204)
- Coolmate™ 3.5 Coolant System
- Cart with the following features: single cylinder rack, foot pedal holder, (3) cable/torch holders, (2) TIG electrode filler holders and a convenient drawer for tungsten and consumable storage

*Note: Torch package and coolant must be ordered separately.*

**Dynasty 700 TIGRunner® #907 101-00-1 (CSA)**

*Completely assembled.*

Package includes:

- Dynasty® 700 (#907 101)
- Coolmate™ 3.5 Coolant System
- Cart with the following features: single cylinder rack, foot pedal holder, (3) cable/torch holders, (2) TIG electrode filler holders and a convenient drawer for tungsten and consumable storage

*Note: Torch package and coolant must be ordered separately.*



## Complete Packages

**Dynasty 350 Complete #951 402 (CSA) w/Wireless Foot Control**  
**#951 401 (CSA) w/Foot Control**

*Completely assembled.*

Package includes:

- Dynasty® TIGRunner® (#907 204-00-1)
- Wireless Remote Foot Control (#300 429) or RFCS-14 HD Foot Control (#194 744)
- 25 ft (7.6 m) Weldcraft CS310 water-cooled torch
- Torch cable cover
- CS310AKC torch accessory kit includes shielding cups, collets, collet bodies, and 2% cerium tungsten electrodes (1/16, 3/32, and 1/8 in)
- Smith regulator/flowmeter HM2051A-580
- Gas hose (regulator to machine)
- Water-cooled Dinse torch adapter
- 15 ft (4.6 m) 1/0 weld lead with clamp (work or ground lead) and Dinse connector
- 4 gallons of pre-mixed low-conductivity coolant (#043 810)

**Dynasty 700 Complete #951 404 (CSA) w/Wireless Foot Control**  
**#951 403 (CSA) w/Foot Control**

*Completely assembled.*

Package includes:

- Dynasty® 700 TIGRunner (#907 101-00-1)
- Wireless Remote Foot Control (#300 429) or RFCS-14 HD Foot Control (#194 744)
- 25 ft (7.6 m) Weldcraft WP18SC water-cooled torch
- Torch cable cover
- AK18C Torch Accessory Kit includes shielding cups, collets, collet bodies and 2% cerium tungsten electrodes (3/32, 1/8 and 5/32 in)
- Smith regulator/flowmeter H1954D-580
- Gas hose (regulator to machine)
- Water-cooled thread lock torch adapter
- 12 ft (3.7 m) 4/0 weld lead with clamp (work or ground lead)
- 4 gallons of pre-mixed low-conductivity coolant (#043 810)

## Torch Kits

### 250 A Water-Cooled Torch Kit #300 185

- 25 ft (7.6 m) Weldcraft® WP20 torch
- Torch cable cover
- AK4C torch accessory kit includes shielding cups, collets, collet bodies and 2% cerium tungsten electrodes (1/16, 3/32 and 1/8 in)
- Smith® regulator/flowmeter HM2051A-580
- Gas hose (regulator to machine)
- Water-cooled Dinse torch adapter
- 15 ft (4.6 m) 1/0 weld lead with clamp (work or ground lead) and Dinse connector

### 300 A Water-Cooled Torch Kit #300 183

*Recommended for Dynasty 350*

- 25 ft (7.6 m) Weldcraft® CS310 torch
- Torch cable cover
- CS310AKC torch accessory kit includes shielding cups, collets, collet bodies and 2% cerium tungsten electrodes (1/16, 3/32 and 1/8 in)
- Smith® regulator/flowmeter HM2051A-580
- Gas hose (regulator to machine)
- Water-cooled Dinse torch adapter
- 15 ft (4.6 m) 1/0 weld lead with clamp (work or ground lead) and Dinse connector

### 400 A Water-Cooled Torch Kit #300 186

*Recommended for Dynasty 700*

- 25 ft (7.6 m) Weldcraft® WP18SC torch
- Torch cable cover
- AK18C torch accessory kit includes shielding cups, collets, collet bodies and 2% cerium tungsten electrodes (3/32, 1/8 and 5/32 in)
- Smith® regulator/flowmeter H1954D-580
- Gas hose (regulator to machine)
- Water-cooled thread lock torch adapters
- 12 ft (3.7 m) 4/0 weld lead with clamp (work or ground lead)



### Runner Cart #300 244

Designed to accommodate Dynasty® or Maxstar® 350 or 700 power sources and a Coolmate™ 3.5 Cooler. Cart features single cylinder rack, foot pedal holder, (3) cable/torch holders, (2) TIG

electrode filler holders and a convenient drawer for tungsten and consumable storage.



### Coolmate™ 3.5 #300 245

Designed to integrate with the Dynasty® and Maxstar® 350 and 700 power

sources. For use with water-cooled torches rated up to 600 amps. 3.5 gallon capacity.

### TIG Coolant #043 810

Sold in multiples of 4. Pre-mixed low-conductivity Miller coolant contains ethylene glycol and deionized water to protect from freezing and boiling -37° to 227°F (-38° to 108°C). 1-gallon plastic recyclable bottles.



### Water-Cooled Dinse #195 377

*For Dynasty and Maxstar® 350.*

Used to adapt WP20, WP18, and CS310 to dinse-style connector. *Order from Miller Parts.*



### Water-Cooled Thread Lock #225 028

*For Dynasty and Maxstar 700.* Used with (WP125, WP24W, WP25, WP20, WP18, WP12, CS310, CS410, WP22, WP27)

water-cooled torch. *Order from Miller Parts.*

### Automation Interface Connection Kit

#### #195 516 Field

Provides control of power source welding parameters through a 28-pin receptacle. The 28-pin receptacle replaces the standard 14-pin receptacle and requires a PLC controller to operate the power source. Ideal for automated equipment integration.

### Weld Current Sensor #300 179 Field

Detects when work clamp is not connected and prevents expensive damage to disconnect devices and input power cord and wiring.

## Educational Materials

*To order these items, distributors can call the Miller Literature Distribution Center at 1-920-735-4356, or FAX 1-920-735-4011.*

### Gas Tungsten Arc (TIG) Welding Book #170 555

### Simulator and Setup CD-ROM #233 558

### DVD Setup Video #251 116

Video topics include Tungsten Selection, Setup Menus, DC Pulse, Sequencer, Balance and Frequency Settings. (Included with machine.)

## Tungsten

*Tungsten is 7 in length and available in pkgs of 10. Order from Miller Parts.*

### 2% Ceriated (orange) for AC/DC applications

#WC040X7 .040 in, 10–80 A

#WC116X7 1/16 in, 70–150 A

#WC332X7 3/32 in, 140–250 A

#WC018X7 1/8 in, 225–400 A

#WC532X7 5/32 in, 300–500 A

### 1.5% Lanthanum (gold) for AC/DC applications

#WL040X7 .040 in, 10–80 A

#WL116X7 1/16 in, 70–150 A

#WL332X7 3/32 in, 140–250 A

#WL018X7 1/8 in, 225–400 A

#WL532X7 5/32 in, 300–500 A

## Remote Controls and Switches



### Wireless Remote Foot Control #300 429

For remote current and contactor control. Receiver plugs directly into the 14-pin receptacle of Miller machine. 90 ft (27.4 m) operating range.



### Wireless Remote Hand Control #300 430

For remote current and contactor control. Receiver plugs directly into the 14-pin receptacle of Miller machine. 300 ft (91.4 m) operating range.



### RCCS-14 Remote Contactor and Current Control #043 688

14-pin plug. North/south rotary-motion fingertip control fastens to TIG torch using two Velcro® straps. Includes 26.5 ft (8 m) control cord.



### RFCS-14 HD Foot Control #194 744

Maximum flexibility is accomplished with a reconfigurable cord that can exit the front, back or either side of the pedal. Foot pedal provides remote current and contactor control. Includes 20 ft (6 m) cord and 14-pin plug.

### RHC-14 Hand Control #242 211 020

Miniature hand control for remote current and contactor control. Dimensions: 4 x 4 x 3-1/4 in (102 x 102 x 83 mm). Includes 20 ft (6 m) cord and 14-pin plug.



### RMLS-14 Switch #129 337

Momentary- and maintained-contact rocker switch for contactor control. Push forward for maintained contact and backward for momentary contact. Includes 26.5 ft (8 m) cord and 14-pin plug.



### RMS-14 On/Off Control #187 208

Momentary-contact switch for contactor control. Rubber-covered pushbutton dome switch ideal for repetitive on-off applications. Includes 26.5 ft (8 m) cord and 14-pin plug.

# Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
Dynasty® 350	#907 204	Auto-Line™ 208–575 VAC, 50/60 Hz, <b>CSA</b> . 8 ft primary cord		
Dynasty® 350 TIGRunner®	#907 204-00-1	Auto-Line™ 208–575 VAC, 50/60 Hz, <b>CSA</b> . 8 ft primary cord. <i>Requires coolant</i>		
Dynasty® 350 Complete with Wireless Remote Foot Control	#951 402	Auto-Line™ 208–575 VAC, 50/60 Hz, <b>CSA</b> . 8 ft primary cord		
Dynasty® 350 Complete with Foot Control	#951 401	Auto-Line™ 208–575 VAC, 50/60 Hz, <b>CSA</b> . 8 ft primary cord		
Dynasty® 350 International	#907 204-02-1	Auto-Line™ 380–575 VAC, 50/60 Hz, <b>CE</b> . 8 ft primary cord		
Dynasty® 700	#907 101	Auto-Line™ 208–575 VAC, 50/60 Hz, <b>CSA</b>		
Dynasty® 700 TIGRunner®	#907 101-00-1	Auto-Line™ 208–575 VAC, 50/60 Hz, <b>CSA</b> . <i>Requires coolant</i>		
Dynasty® 700 Complete with Wireless Remote Foot Control	#951 404	Auto-Line™ 208–575 VAC, 50/60 Hz, <b>CSA</b>		
Dynasty® 700 Complete with Foot Control	#951 403	Auto-Line™ 208–575 VAC, 50/60 Hz, <b>CSA</b>		
Dynasty® 700 International	#907 101-02-1	Auto-Line™ 380–575 VAC, 50/60 Hz, <b>CE</b>		
<b>TIG Torch Kits</b>				
Weldcraft® 250 A Water-Cooled Torch Kit	#300 185	See page 7		
Weldcraft® 300 A Water-Cooled Torch Kit	#300 183	See page 7. Recommended for Dynasty 350		
Weldcraft® 400 A Water-Cooled Torch Kit	#300 186	See page 7. Recommended for Dynasty 700		
Weldcraft® 200 A Air-Cooled Torch	#WP2625RM	For Dynasty 350 only. Adapter #195 379 required. <i>Order from Miller Parts</i>		
Consumables and Tungsten		Distributor: See Miller Parts Catalog		
Gas Cylinder, Hose and Fittings				
<b>Remote Controls</b>				
Wireless Remote Foot Control	#300 429	Foot control with wireless 90 ft (27.4 m) operating range		
Wireless Remote Hand Control	#300 430	Hand control with wireless 300 ft (91.4 m) operating range		
RCCS-14	#043 688	North/south fingertip control		
RFCS-14 HD	#194 744	Heavy-duty foot control		
RHC-14	#242 211 020	Hand control		
RMLS-14	#129 337	Momentary/maintained rocker switch		
RMS-14	#187 208	Momentary rubber dome switch		
Extension Cables	#242 208 025 #242 208 050 #242 208 080	25 ft (7.6 m) 50 ft (15.2 m) 80 ft (24.4 m)		
<b>Accessories</b>				
Runner™ Cart	#300 244	See page 7		
Coolmate™ 3.5	#300 245	<i>Requires coolant</i>		
TIG Coolant	#043 810	Sold in multiples of four in 1-gallon plastic bottles		
Automation Interface Kit	#195 516	Field. Provides required automation connections		
Weld Current Sensor	#300 179	Field. Installation required		
Gas Tungsten Arc (TIG) Welding Book	#170 555	<i>Order at MillerWelds.com/resources/tools</i>		
Simulator and Setup CD-ROM	#233 558			
DVD Setup Video	#251 116	Included with machine		
Torch Adapters		<i>Supplied with power source and torch kits</i>		
Water-Cooled Dinse	#195 377	Used to connect water-cooled torch to Dinse terminal machine. For WP20, WP18 and CS310 (adapter included in Complete Package). <i>Order from Miller Parts</i>		
Water-Cooled Thread Lock	#225 028	Used to connect water-cooled torch to Dynasty/Maxstar 700. <i>Order from Miller Parts</i>		
Cable Connectors		<i>Supplied with power source and torch kits</i>		
Dinse Connector 50 mm (1 male)	#042 418	Used to connect weld lead to Dinse terminal machine		
Thread Lock Connectors (2 male)	#225 029	Used to connect weld lead to Dynasty 700 or Maxstar 700. <i>Order from Miller Parts</i>		
Dinse Connector 50 mm (1 male, 1 female)	#042 419	Used to extend weld cables		
Tweco® Terminal Adapter	#042 465	Male Dinse to female Tweco		
Cam-Lok Terminal Adapter	#042 466	Male Dinse to female Cam-Lok		
<b>Miscellaneous</b>				
Stick Electrodes				
Welding and Work Cables				
Welding Gloves and Helmet				

Date:

Total Quoted Price:

Distributed by:

