

# Lightning Series Industry Cross Comparison

## More Power Than Ever\*

Now in the third generation, the MIG/AC-DC TIG/Stick Multi-process Lightning series has more power. The units are still offering the same industry leading features, but the units now put out over 10% more power.





But for those of you who may not know some of the features of this machine:

The unit includes a bright, 480 TFT Digital display that allows the user to clearly see most all relevant and possible settings at a single glance. Conveniently arranged, in a pinwheel menu, hidden menus and settings are kept to a bare minimum. No special combinations of buttons have to be simultaneously pressed to access parameters. Duty cycles are still industry leading as well, allowing you to keep welding long after the others are simply overheated. If simplicity of set-

up and operation is on your mind, the units also feature simple, and intuitive operation with out having to cascade through a endless number of hidden menus and settings. T

Additionally, the Lightning models feature additional AC wave forms and Advanced AC pulse. The New Power-Set function offers synergic operation of all operating modes. Spot and Stitch timer have also been added to MIG for improved versatility in the auto-body industry for the 275 model.

Even though the features and power are our main selling points, don't forget the industry leading warranty of 5 years parts and labor. When you compare everything on paper, the differences become quite clear. See below for comparisons.

	 Everlast Lightning MTS 225	 Everlast Lightning MTS 275	 Miller MultiMatic 220 AC/DC 90757	 ESAB Rebel EMP 205ic 0558102553
Price	\$2100.00	\$2500.00	\$3595.00	\$3599.00
Warranty	5 Year Parts and Labor	5 Year Parts and Labor	3 Year Parts and Labor	3 Year Parts and Labor
Generation	3rd	3rd	1st	1st
TIG Kit Included	Yes	Yes	Yes/ Two Regulators/ Thickness Gauge/ Wire	Yes
Water Cooler Capable Plug	Yes	Yes	No	No
Number of Gas Inlets	2	2	2	2
DINSE Size or Type Connector Compatibility	DINSE 35	DINSE 35	DINSE 25	DINSE 35
Input Voltage	120V/240V	120V/240V	120V/240V	120V/240V
Max Input @ 120V Max Input @ 240V	28A 11Max/ 17A 11Eff 31A 11Max/ 16A 11Eff	42.8A 11Max/ 26A 11Eff 53A 11Max/ 35A 11Eff	24.5A 31.3A	—? 30A
MIG Amp Range 120V MIG Amp Range 240V	30-125A 30-225A	30-150A 30-275A	30-125A 30-230A	—? ?-230A
TIG Amp Range 120V TIG Amp Range 240V	10-125A DC, 20-225A AC 10-225A DC, 20-200A AC	10-150A DC, 15-150A AC 10-250A DC, 15-275A AC	20-140A 20-210A	—? 5-205A
Stick Amp Range 120V Stick Amp Range 240V	10-100A 10-160A	10-120A 10-200A	30-90A 30-200A	?-90A ?-180A
MIG Duty Cycle 240V	25% @ 225A 35% @ 200A 60% @ 160A	35% @ 275A 60% @ 250A 100% @ 200A	20% @ 200A 40% @ 170A	25% @ 205A 40% @ 150A 60% @ 125A
TIG Duty Cycle 240V	35% @ 225A 60% @ 200A 100% @ 160A	35% @ 275A 60% @ 250A 100% @ 200A	20% @ 210A	25% @ 205 60% @ 125A 100% @ 110A
Stick Duty Cycle 240V	60% @ 160A 100% @ 130A	60% @ 200A 100% @ 160A	15% @ 200A	25% @ 170A 60% @ 125A 100% @ 110A
Max. OCV	MIG: 64V TIG: 64V Stick: 64V	MIG: 74V TIG: 74V Stick: 74V	MIG: 45V TIG: 46V Stick: 46V	MIG: 68V TIG: 68V Stick: 68V
MIG Wire Feed Speed	60-600 IPM	60-600 IPM	60-600 IPM	40-475 IPM
Number of Drive Rolls	2	4	2	2
Wire Size Capability ( with optional drive rolls/liners)	.023"-.045"	.023-.045"	.023"-.035"	.023"-.045"
MIG Wire Spool Diameter	4" and 8"	8" and 12"	4" and 8"	4" and 8"
Spool Gun Capable	Yes	Yes	Yes	Yes
MIG Inductance/Wave form control	Yes	Yes	No	Yes
MIG Spot/Stitch Timer	No	Yes	No	Yes
MIG Burn Back	Yes	Yes	?	Yes
Synergic/Auto MIG Function	Yes	Yes	Yes	Yes
Synergic/ Auto TIG Function/Tungsten size Selection	Yes	Yes	Yes	No
Synergic/Auto Stick Function	Yes	Yes	Yes	No
AC TIG Wave form Control	Yes, Adv. Square, Triangular	Yes, Adv. Square, Triangular Soft Square Wave	No	No
DC Pulse TIG	Yes	Yes	Yes	Yes
AC Pulse TIG	Yes	Yes	No	No
AC Advanced Pulse (Mixed AC/DC– for Aluminum)	No	Yes	No	No
TIG Pulse TIG Frequency Std AC/DC / Advanced	0-150Hz / Std AC/DC Only.	0-150Hz/ 0-10Hz	0-150Hz (DC Only)	1-500Hz (DC Only)
TIG Pulse Time On	Yes	Yes	Factory Set/ Not Adjustable	?
TIG Pulse Balance	Yes	Yes	Factory Set/ Not Adjustable	?
AC Capable	Yes	Yes	Yes	Yes
AC Frequency	20-200Hz	20-200Hz	60-150 Hz	25-400Hz
AC Balance	30-70% of EP (70-30% of EN)	30-70% of EP (70-30% of EN)	60-80% of EN (40-60% of EP)	1-99%
Stick E 6010 Capable	No	Yes	No	Yes
Stick Arc Force/Dig	Yes	Yes	Yes	Yes
Stick Hot Start Intensity	Yes	Yes	No	Yes
Stick Hot Start Time	Yes	Yes	No	?
Voltage Reduction Device (VRD) for Safety	Yes	Yes	No	Yes
Programmable Sequencer for Remote	Yes	Yes	No	Yes, limited features
Memory	Yes, 16 programs	Yes, 16 Programs	No	Yes, 4 per process
TIG /MIG Pre Flow	Yes, TIG and MIG	Yes, TIG and MIG	No	Yes, MIG listed only
TIG/MIG Post/ Flow	Yes, TIG and MIG	Yes, TIG and MIG	TIG: Auto/ Programmable through hidden menu/ No MIG	Yes. MIG listed only
Weight	66 Lbs.	82 Lbs.	58 Lbs.	49 Lbs.
Dimensions	16"Hx11Wx26L (19"H w/ handle)	27"Hx11Wx29"L (30"H w/ handle)	17.5"Hx11.25"Wx21.5"L	16"Hx9"Wx23"L
Power Cable Length	9.5 ft.	9.5 ft.	6.5 ft.	6 ft.
Dual Voltage Adapter Included	Yes	Yes	Yes	Yes

\*This publications is based off of available information on June 29, 2021. It relies on other manufacturer data which is subject to change and may vary in accuracy. Prices are based off a survey of actual internet listed sale prices on this date. Manufacturer suggested list prices may be more.

