

**COMPARISON CHART**  
**AFTEK Demand Pulse vs. Lincoln STT**

	<b>AFTEK MV-300</b>	<b>Lincoln STT-II</b>
Input Voltage - Std	230/460 50/60 Hz 3 phase	460 50/60 Hz 3 phase
Input amps - std	23.6	18
Amphenol Connector	<b>14 Pin (Miller type)</b> <b>14 Pin Lincoln (Opt.)</b> <b>Terminal Strip (Lincoln) Optional</b>	14 Pin Lincoln
Main Power Transformer	<b>300 amps 450, 650 Opt.</b> <b>Iron and Copper</b>	300 amps Inverter
OCV	60	42
Output Connections	Dinse	Dinse
Welding Processes	<b>GMAW (CC - Demand Pulse)</b> <b>FCAW</b> <b>SMAW (inc. 5P)</b> <b>GTAW (Lift-Arc TIG)</b> <b>Carbon Arc Gouging</b> <b>Non -Shorting CC GMAW</b>	GMAW Short-Arc No No No No
Fine Wire MIG Flux-cored welding	<b>Yes</b>	Yes - Short Arc No
Amperage Range	<b>5-300</b>	40- 350
Remote Control	Yes (Opt)	Yes
Dual Polarity	<b>Yes</b>	No
Polarity Switch	<b>Yes Optional</b>	No
Dedicated Wirefeeder	<b>No - use MOST commercial feeders</b>	Yes
Size	<b>H : 26"</b> <b>W : 20"</b> <b>D : 30"</b>	H : 22" W : 16" D : 26"
Weight	<b>415</b>	90
System Cost	<b>\$5,690</b>	<b>\$10,058</b>

The above is based on the latest published information available to AFTEK.

Demand Pulse is a Constant Current MIG Process that uses high-speed electronic switching to transfer the tip of the wire at low average and peak current *WITHOUT SHORTING OUT*, making sheet-metal and pipe welding easier than anything on the market.

The MV Series of machines are ALL excellent MIG, Stick, TIG, Sub-Arc, FCAW (Self and Gas Shielded) and Carbon Arc Gouging machines, up to their resective capacity (300 - 1250 amps available)

The Lincoln STT is an electronically controlled *Short - Arc Machine*, using electronics to control slope and inductance for smoother transfer with less spatter than "conventional" short-circuiting metal transfer.

*But it is STILL Short-Arc!*

Feeder and Power Supply are microprocessor controlled, require shielded cables for long interconnects.

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