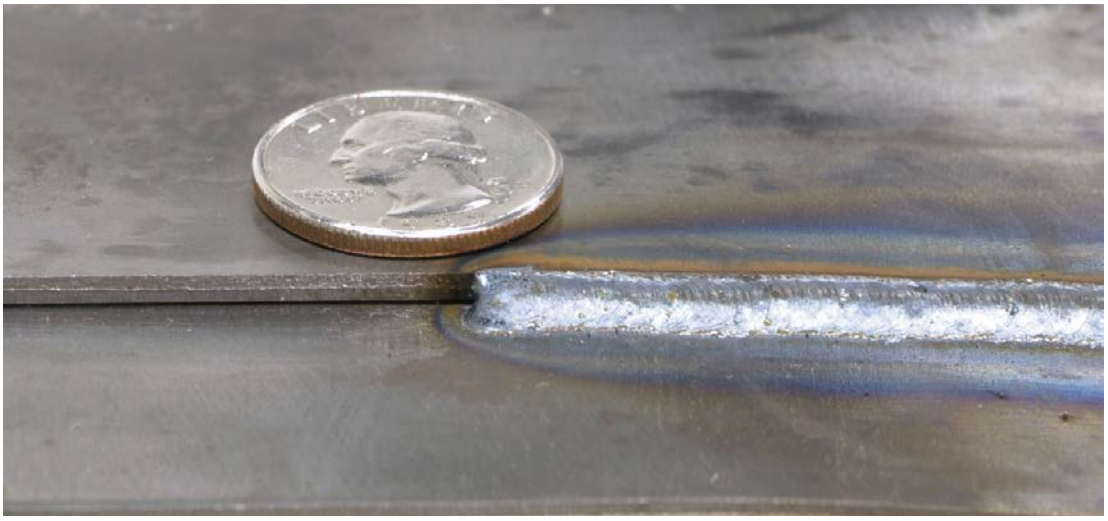
AC-STT®

AC-STT™

The Superior Thin Gauge Welding Solution

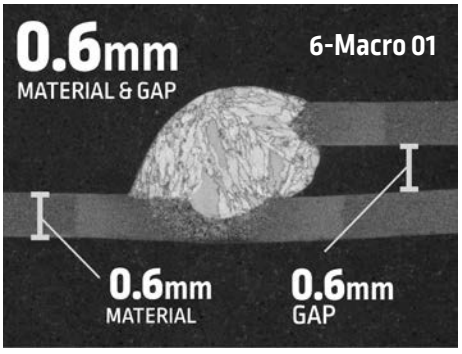
Based off of the patented STT® (Surface Tension Transfer) process, AC-STT® combines the proven spatter-reducing technology of the STT® waveform with heat-input characteristics of AC GMAW, producing a precise short-circuit process optimized specifically for thin gauge materials.



AC-STT® - the advanced short-circuit process optimized specifically for thin gauge materials

Ultra-Reliable on Ultra-Thin

With it's precise heat-input control, AC-STT® produces high-quality, repeatable welds on materials as thin as 0.6mm without copper backing, using either 100% CO2 or Argon rich shielding gas.



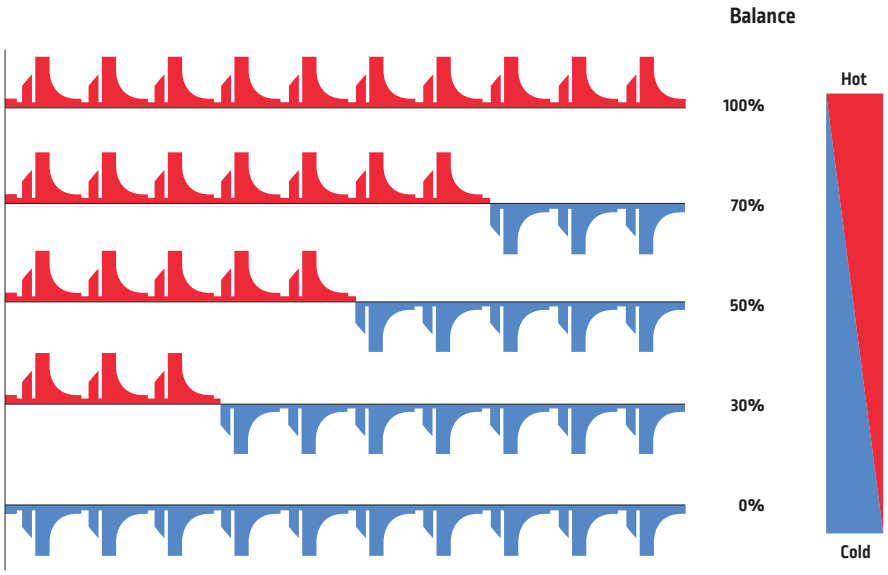
AC-STT® accommodates materials as thin as 0.6 mm - with or without gap conditions

Publication MC17-75 | Issue Date 01/19

LINCOLN® ELECTRIC

Customized Penetration Profile

Utilizing Lincoln Electric's Waveform Control Technology®, operators can easily balance the waveform's ratio of DC+ or DC- polarity, allowing for a customized penetration profile that can accommodate a broad range of material thicknesses.



The duration of welding in positive or negative polarity can be directly controlled by the operator.

The Lincoln Electric Solution

Equipment	Weld Process*
Power Wave® S500 Power Wave® R450	AC-STT
Power Wave® Advance Module	
Power Feed® 84	
AutoDrive® 4R100 AutoDrive® 4R220	
AutoDrive® S AutoDrive® SA	

* Available as a FREE weld set update for current Power Wave S500 and R450 owners. Download at www.powerwavesoftware.com

The Lincoln Electric Company
22801 St. Clair Avenue · Cleveland, OH · 44117-1199 · U.S.A.
www.lincolnelectric.com