

New Process Takes Welding to Higher Level

Top Four Reasons to Use PPAW During Welding

#1: Weld Faster (up to 25%)



15 - 20% in this example.

#2: Prevent Distortion (up to 90%)



60% in this example.

#3: Prevent Cracking (up to 90%)



90% in this example.

#4: Increase Service Life (up to 400%)



400% in this example.

Pulse Puddle Arc Welding® (PPAW®) is a patented process that subjects the weldment to mild mechanical pulses during welding. PPAW allows weld metal to stay molten a few seconds longer before it solidifies. Metallurgically a finer more uniform weld grain results which will have higher ductile and impact values (up to 400% and 75% respectively).

Bonus Benefits Using PPAW

- Reduce Preheat (up to 300°F)
- Reduce Porosity
- Reduce Undercutting
- Reduce Blowthrough
- Easier to weld vertical
- Easier to weld overhead
- Easier to weld dissimilar metals
- Relieve stress during welding