SuperPulse™ - An Aristo™ technology feature

The only welding process if control of heat input is essential

If your application demands efficient root runs or positional welding on thin, or thick aluminium or stainless materials, then SuperPulse™ will provide the optimum solution.
With productivity as the objective, today's TIG process is tomorrow's SuperPulse™.

The prime advantage of the pulse/pulse process - is the ability to control the heat input. Pulse/pulse is a well established process and has mainly been focused on aluminium welding.

Now SuperPulse™ is a further development of the pulse/pulse concept with the following additional combinations:

- **Pulse / short arc -** Replace the TIG process by welding the root pass with the pulse / short-arc process. This process enables full control of the heat input for any thin sheet welding.
- **Spray arc / pulse -** A very efficient process in positional welding of thicker materials. Aluminium can be welded straight upwards without the usual torch manipulation. (Less tiring for the operator)
- **MIG brazing** of very thin sheets is another application where we recommend **SuperPulse™**.

New welding processes will always require expert advice and training. To find out more about the process or applications surrounding **SuperPulse™** please contact your local ESAB sales office for further investigation.

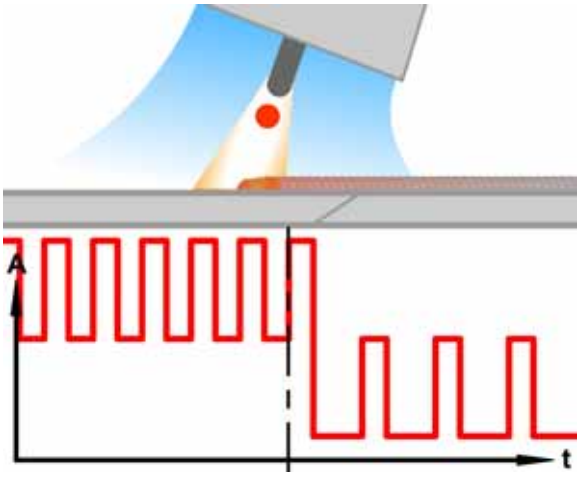
ESAB have welding process centres located in Gothenburg (SE), Solingen (DE) and Vamberk (CZ) All are prepared to undertake application trials for you, or offer a complete application/training package.

A complete package consists of:

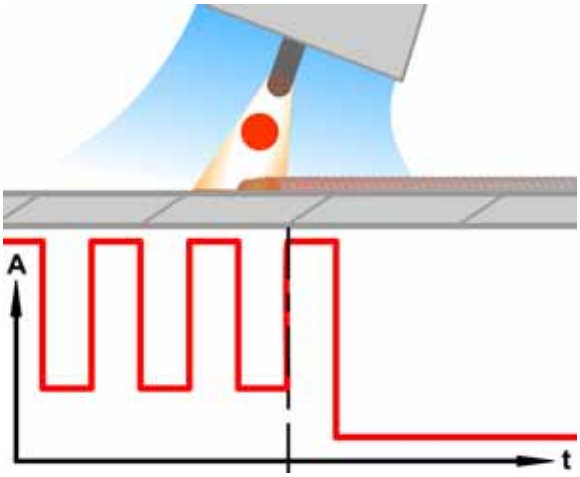
- **Aristo™ Mig 4000i and 5000i power source**
- **Aristo™ U8 operator pendant**
- **Aristo™ Feed 3004 M0 wire feeder**
- **PSF™ welding torch**

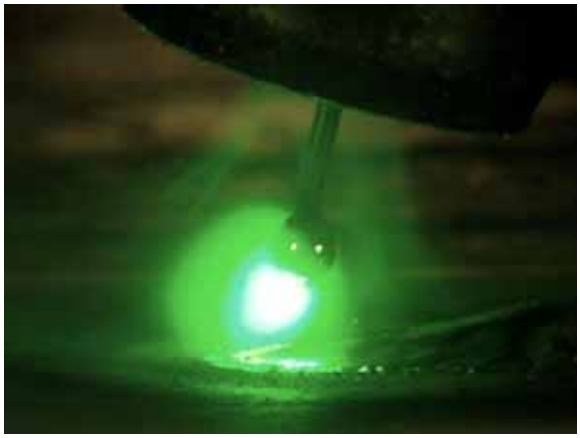
SuperPulse™

- **Makes positional welding easier**
- **Allows welding with low heat input**
- **Provides uniform penetration**
- **Allows operator more control over welding speed**
- **TIG-looking weld appearance with MIG**
- **Very adaptable to all kind of mechanisation for example Railtrac and Miggytrac**
- **Extends working range with larger wire size**
- **Less sensitive to joint gap variations**
- **Less sensitive to unequal heat transfer**

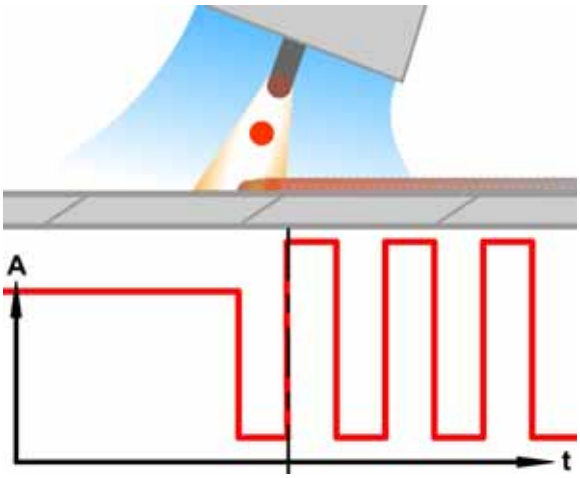


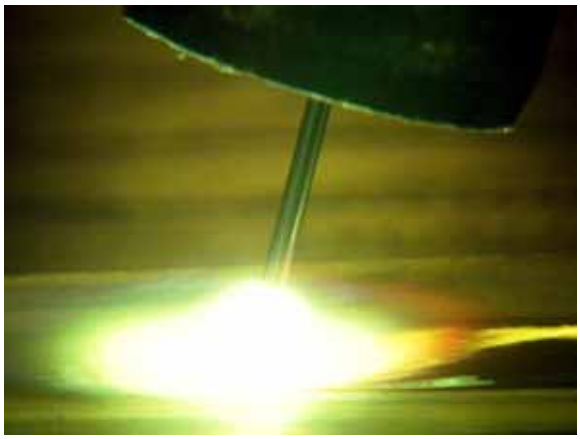
pulse / pulse





pulse / short arc





spray arc / pulse

ESAB AB
Box 8004
SE-402 77 GÖTEBORG SWEDEN
Phone: +46 31 50 90 00 Fax +46 31 22 04 49
E-mail: info@esab.se
www.esab.com