



PROFESSIONAL IN WELDING

ULS

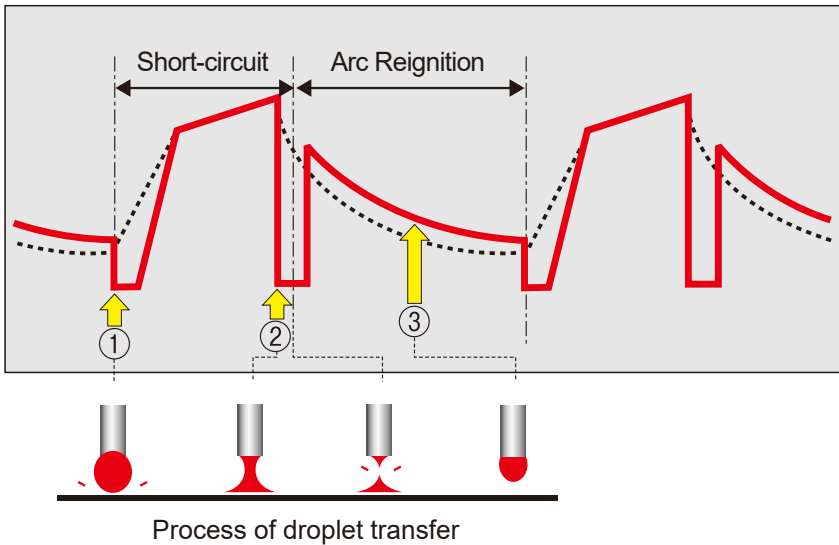
ULTRA LOW SPATTERS

75% Less Spatter | Support 100% CO₂ Welding | Lower Welding Cost



THE ULTRA LOW SPATTERS WELDING PROCESS

The ULS process is a modified short-circuit transfer arc with extremely high stability. Through the precise control on the various phases of the short circuit in 100% CO₂ gas atmosphere, achieving high-quality weld seams with minimal spattering and an increased deposition rate.



1. Initial Short Control

Reduces the amperage immediately after the wire shorts to lower the droplet load which stabilizes the short, leading to soft reignition and a stable welding process.

2. Neck Control

Detects the moment droplet detachment begins to neck then quickly reduces the amperage before short releases. Releasing the short at a lower amperage minimize spatter.

3. Stable Transfer Control

Increased amperage directly after the short release, maintain deep penetration.

THE ADVANTAGES

UP TO 75% LESS SPATTER

Spatter can be reduced by up to 75% even in high current ranges.

- ① Less rework
- ② Fewer rejects
- ③ Less cleaning required

LOW WELDING COST

ULS support 100% CO₂ welding, CO₂ is additionally the most economical, considering when material costs are the primary need.

- ① Lower filler consumption
- ② Lower gas costs through the use of 100% CO₂

HIGH-EFFICIENCY WELDING

Less spatter and higher process stability, enable extraordinary results.

- ① Improved arc stability
- ② Easy welding operation
- ③ Stable welding for thick plate



THE APPLICATIONS OF ULS

The MAG welding process can be used within a range of sectors and industries.

These can include:

- Shipbuilding
- Pipe welding
- Manufacturing
- Automotive maintenance and production
- Construction and infrastructure



Shipbuilding



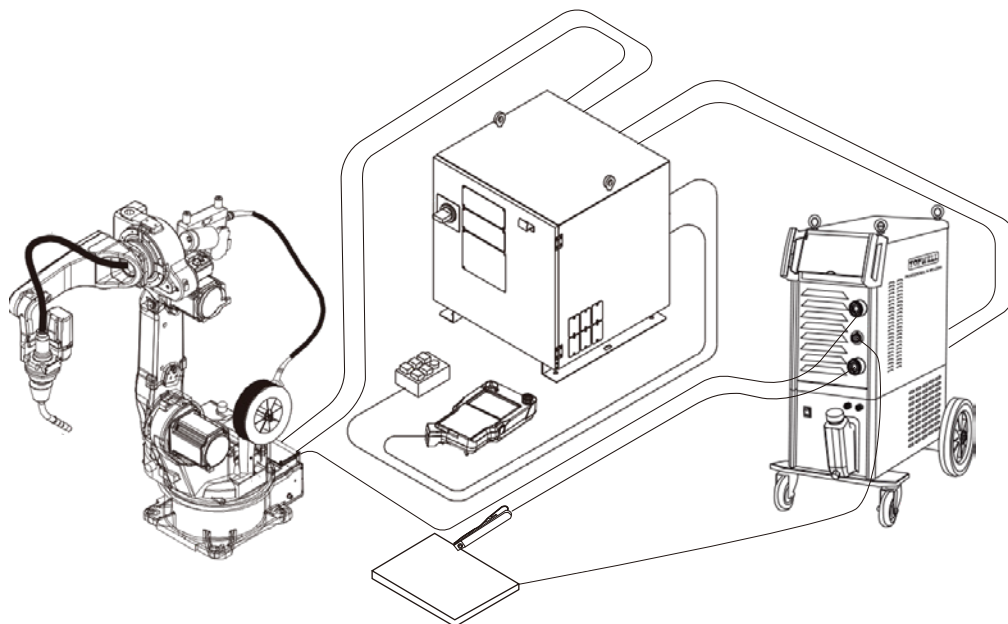
Pipe Welding



Track Structure

THE ULS IS DESIGNED FOR WELDING WITH ROBOT OR CARRIAGE

Welding with Robot or carriage to ensure an excellent performance.



RELATED PRODUCTS



PROMIG 500SYN DPulse

Rated Output (40°C): 500A @ 60%
Output Range: 30A/15.5V-500A/39V



PROMIG 360SYN DPulse SWF

Rated Output (40°C): 360A @ 60%
Output Range: 20A/15V-360A/32V



PROFESSIONAL IN WELDING

Web & Mail

www.cn-topwell.com
sales@topwellwelders.com

Phone

(+86)571-88231791
(+86)571-88231792