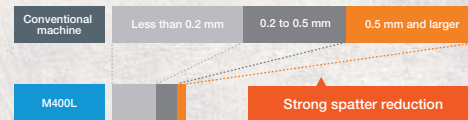
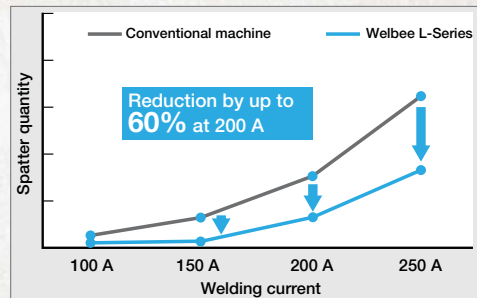


Maximum spatter reduction, thanks to the new Welding current regulation, CBT-EX

The OTC DAIHEN low-spatter process

The new CBT-EX current control system achieves maximum spray reduction, not only in the low-current, but also in the entire current range.

This results in a significant reduction in labor costs for spray removal and cleaning effort.

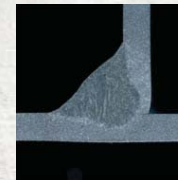


Due to the small quantity and size of the spatter, adherence to the component and/or tool is avoided.

Excellent seam appearance

The weld pool is controlled better, by the cyclic force of a short circuit, thus permitting a flat and uniform weld.

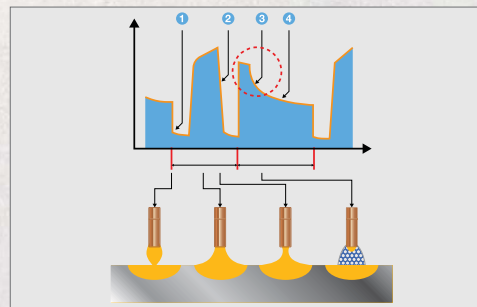
Welding current:	130 A
Welding voltage:	16.5 V
Protection gas:	MAG
Sheet thickness:	1.6 mm



Advantages

- Reduction of up to 80% at 200 A (CO₂)
- Reduction of up to 60% at 200 A (MAG)
- The weld pool is controlled better, by the cyclic force of a short circuit, which thus allows for a flat and uniform weld
- Increased welding speed, even with larger tolerances
- Due to a larger tolerance range of the lower voltage limit, the spattering tendency is reduced, - even in high-speed welding
- Best suited for mixed gas and CO₂

The newly developed welding current control, CBT-EX, developed by OTC DAIHEN



- 1 OTC DAIHEN Processor detects short circuit and the rapid-response current increases ensures material transition
- 2 The steeply sloping flank drastically reduces the energy input and prevents spattering
- 3 Constriction with droplet transfer is enforced through rapid current increases
- 4 Arc length remains constant with progressively dynamic drop in current

