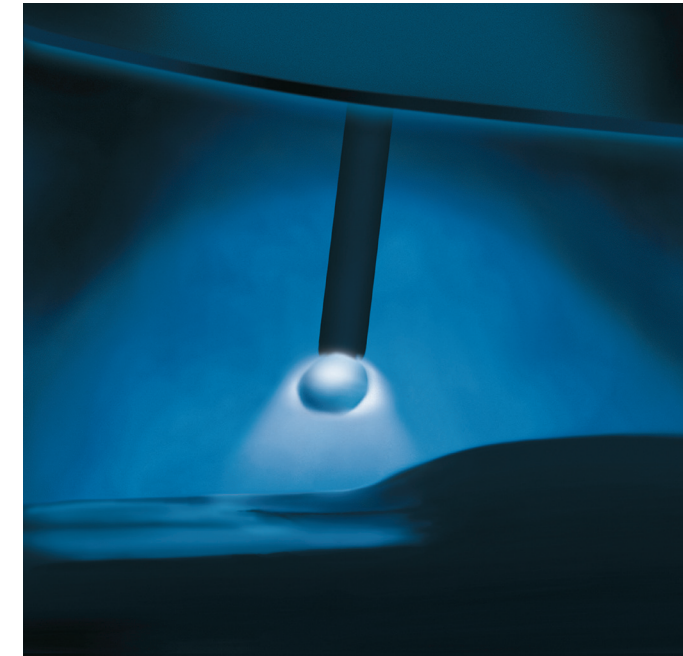


Efficiency due to modern processes



Cold Weld

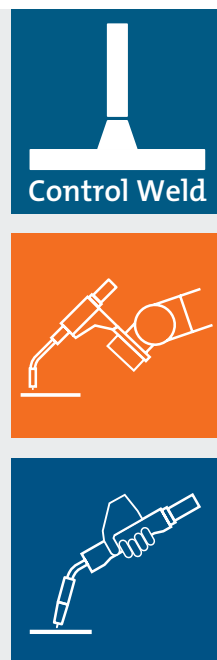
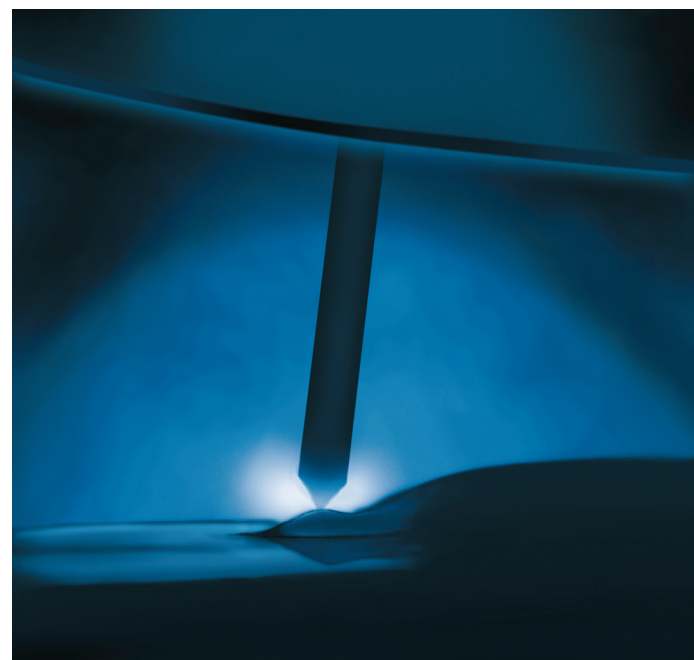
Directionally stable MIG/MAG AC pulsed arc for optimum results when welding demanding materials

Applications

- Complex aluminium and chrome-nickel components up to t = 4 mm
- Root welding at magnetised steel components
- Aluminium extrusion / Casting alloy
- Hot-crack sensitive materials

Materials

- Aluminium
- Chrome-nickel
- Steel
- Press-hardened steel materials



Control Weld

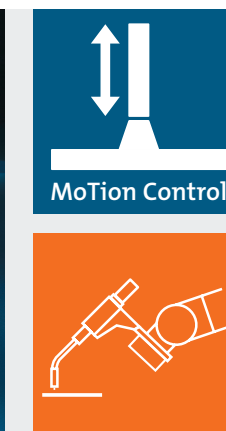
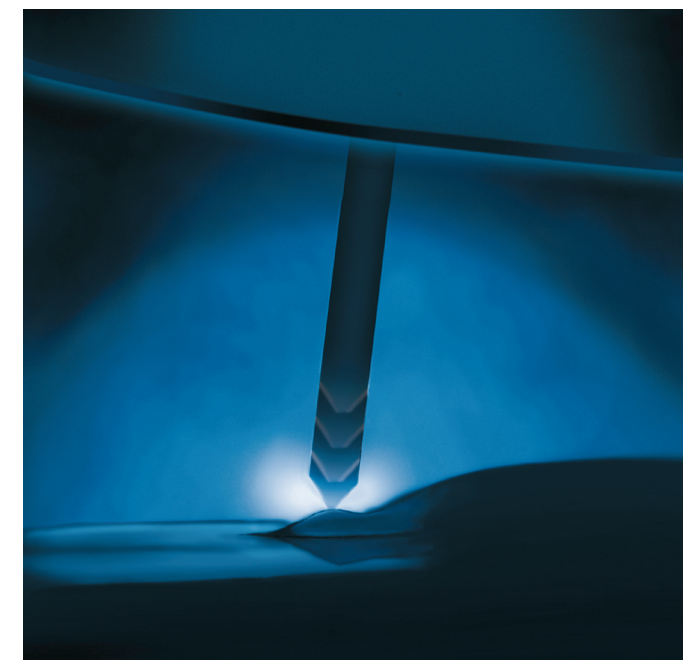
MIG/MAG welding process for thin and thick materials

Applications

- Universally applicable
- Thin and thick plates
- Welding with flux-cored wire
- Suitable for all welding positions
- Welding under pure CO₂

Materials

- Steel (unalloyed, low-alloyed, high-alloyed)
- Chrome-nickel
- Aluminium



MoTion Control Weld

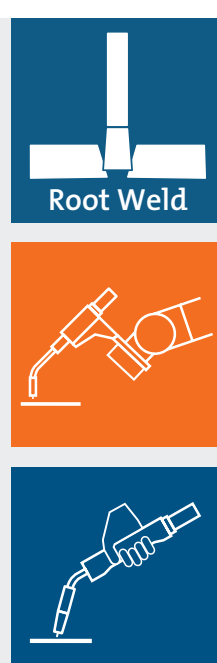
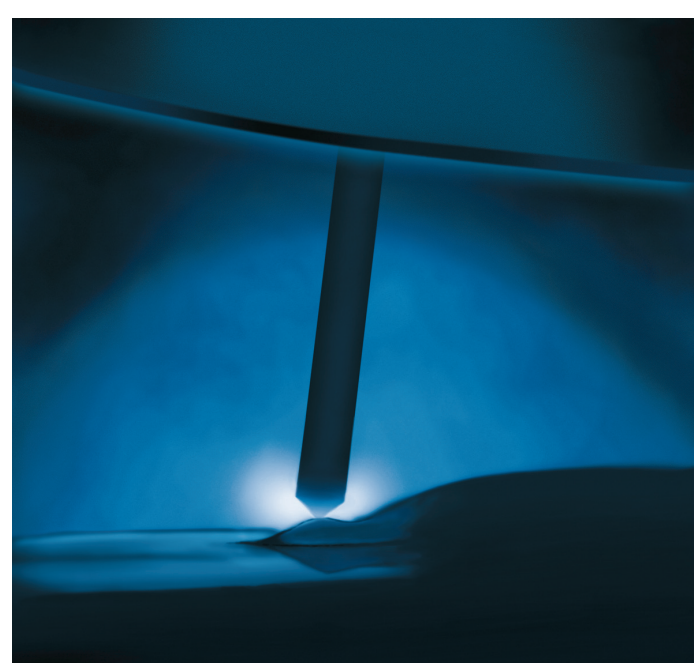
Short arc with reversing wire drive unit

Applications

- Corner and flange welds
- MIG brazing
- Surfacing
- Thin plates up to 3 mm thickness
- Additive production
- All welding positions

Materials

- Steel
- Chrome-nickel
- Coated plates



Root Weld

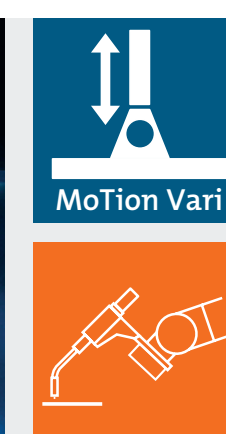
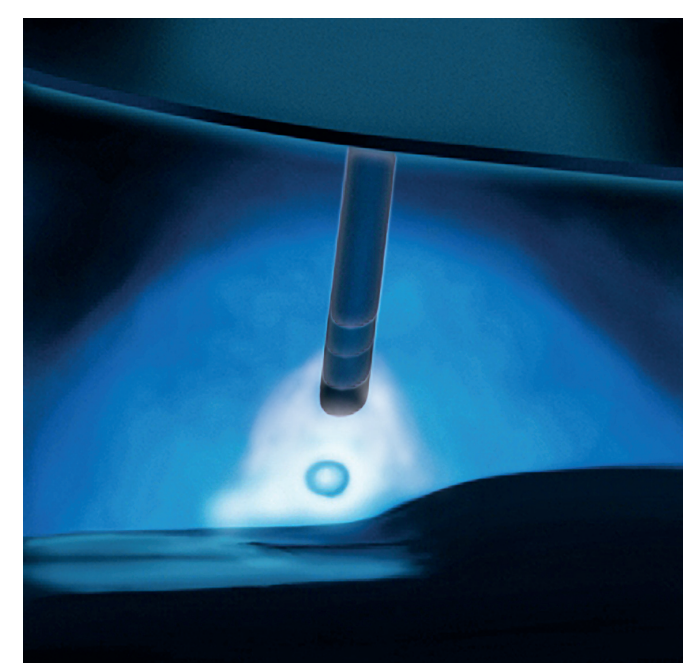
Energy-reduced, controlled MIG/MAG short arc for special requirements when root welding or thin plate welding

Applications

- Root welding
- Pipeline construction
- Container construction
- All welding positions

Materials

- Steel
- Chrome-nickel



MoTion Vari Weld

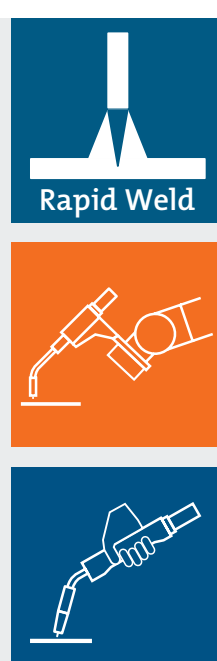
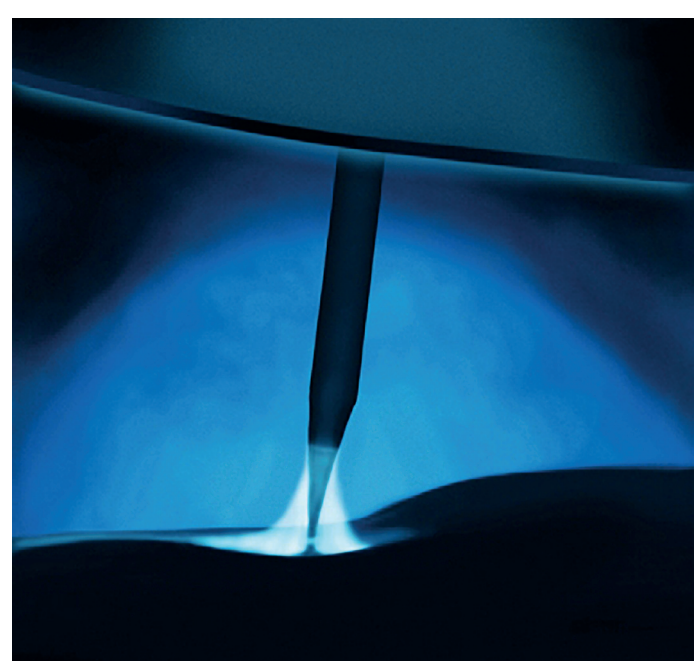
Pulsed arc with reversing wire drive unit

Applications

- Thin plates up to 3 mm thickness
- MIG brazing
- Cladding
- Additive production
- All welding positions

Materials

- Aluminium
- Chrome-nickel
- Coated plates



Rapid Weld

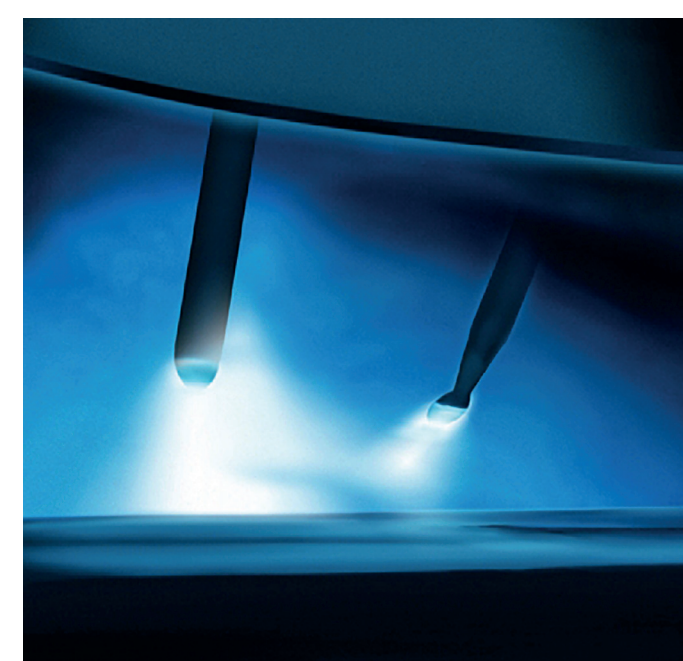
Focused high-capacity MIG/MAG spray arc for deep penetration and efficient welding

Applications

- Thick components from 6 mm
- Small opening angles
- Deep penetration

Materials

- Steel
- Chrome-nickel



Tandem Weld

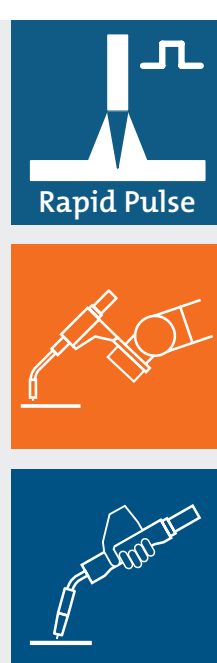
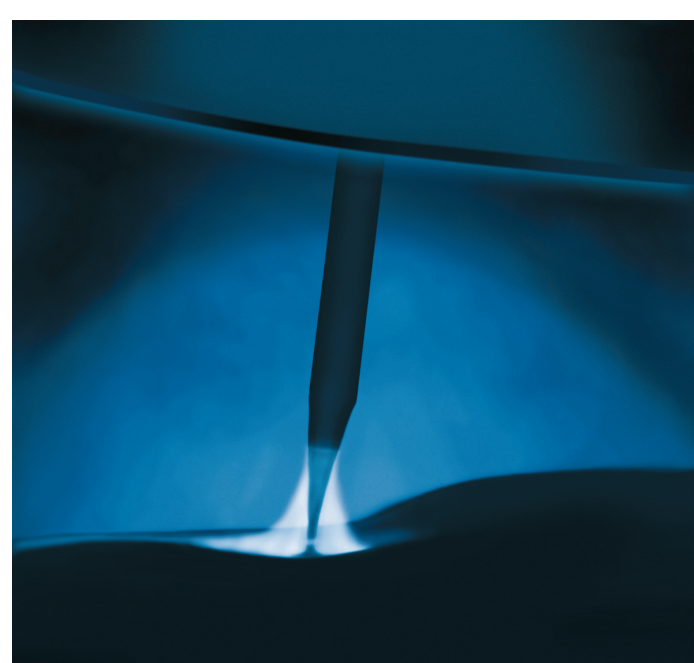
Combination of two MIG/MAG arcs for maximum deposition rate

Applications

- Wide range of application
- Universally applicable
- Applications requiring high deposition rates
- Shipbuilding, steel construction, railway vehicles

Materials

- Steel
- Aluminium
- Chrome-nickel



Rapid Pulse Weld

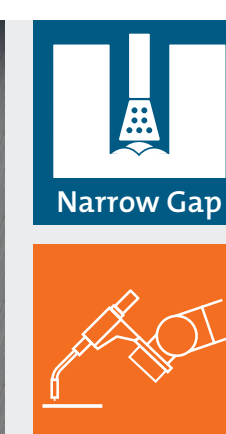
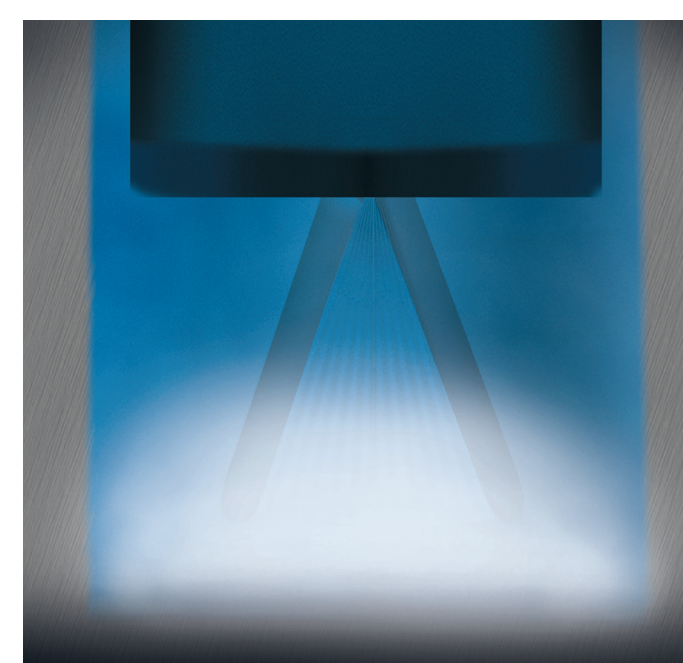
Focused high-capacity MIG/MAG pulsed arc for deep penetration and efficient welding

Applications

- Thick components from 6 mm
- Small opening angles
- Deep penetration

Materials

- Steel
- Aluminium
- Chrome-nickel



Narrow Gap Weld

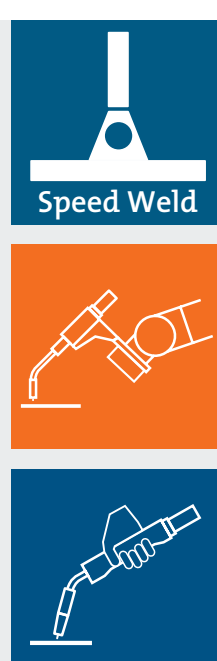
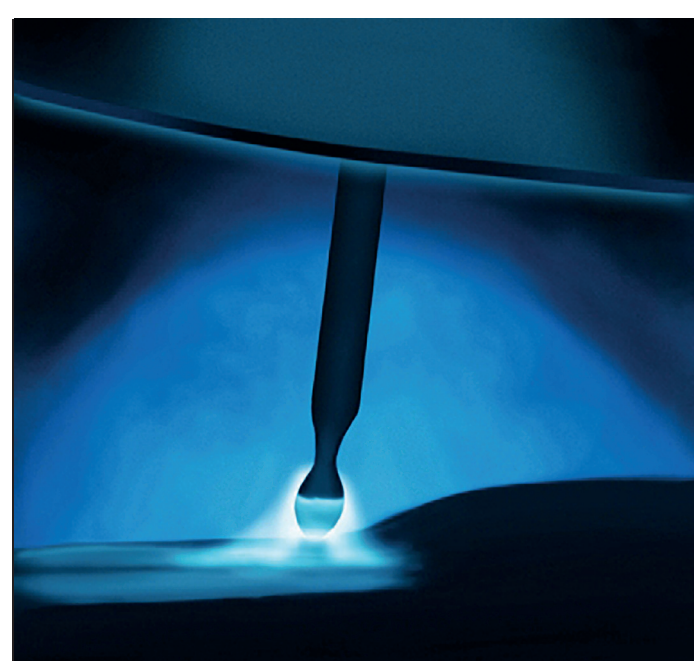
MIG/MAG process with narrow gap technology for efficient thick plate welding

Applications

- Plate thicknesses from 35 mm
- Equipment manufacturing
- Systems for power generation
- Tank construction

Materials

- Steel
- High-strength steel
- Heat-resistant steel



Speed Weld

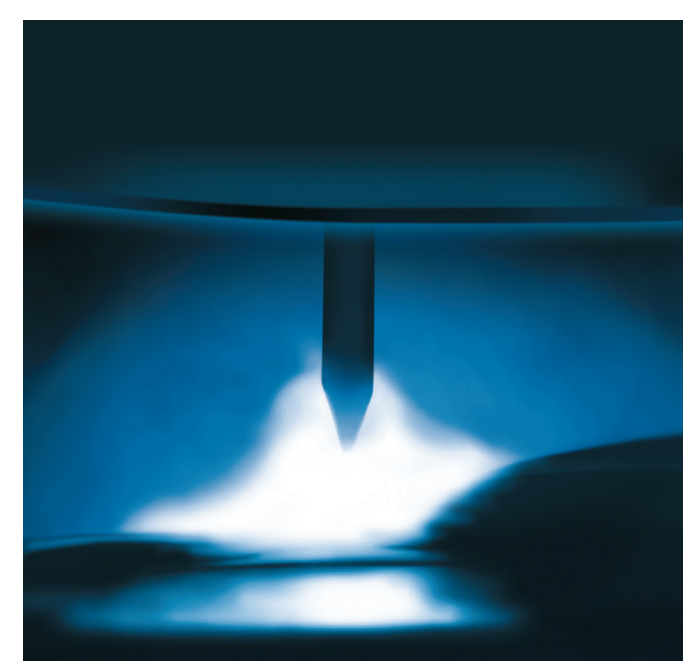
Voltage-controlled MIG/MAG pulsed arc for numerous applications

Applications

- Plate thicknesses from 2.5 mm
- Versatile use: High and low capacity range
- Complex aluminium components
- Welding with flux-cored wire
- MIG brazing

Materials

- Steel
- Aluminium
- Chrome-nickel



TIG Weld

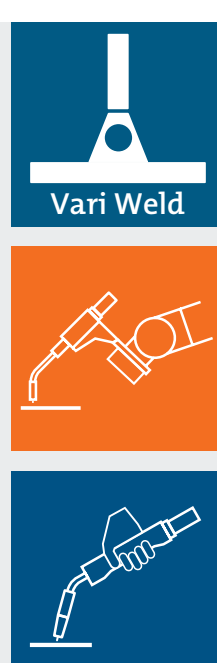
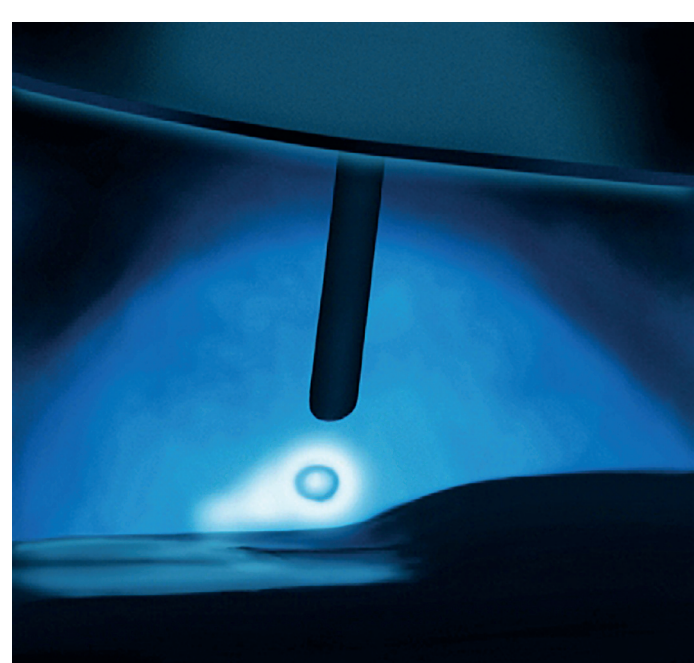
TIG process for clean and precise welding

Applications

- Root welding
- Visual welds
- Pipeline construction
- Equipment and reactor construction

Materials

- Chrome-nickel
- Aluminium
- Steel



Vari Weld

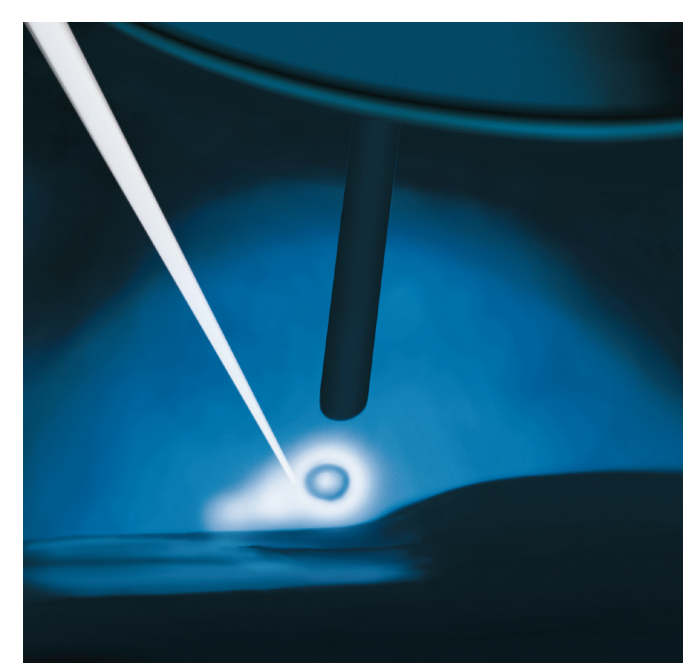
Current-controlled MIG/MAG pulsed arc for optimum welding results under demanding conditions

Applications

- MIG brazing
- Cladding
- Surfacing
- Plate thicknesses from 1.5 mm

Materials

- Chrome-nickel
- Aluminium
- Steel
- Coated plates
- Heat-resistant steel
- High-alloyed steel



Laser Hybrid Weld

Combination of laser welding and MIG/MAG arc for maximum efficiency and quality

Applications

- Long straight welds
- Thin and thick plates
- Heat-sensitive workpieces
- Complete fusions up to 15 mm plate thickness

Materials

- Steel
- High-strength steel
- Aluminium
- Chrome-nickel
- Coated plates