

MIG-MAG welding Machines *from Lorch up to 500 A*

Basic knowledge:

With the MIG-MAG method (MIG = Metal Inert Gas/MAG = Metal Active Gas) the electric arc burns between the melting, automatically supplied welding rod (= electrode) and the material. A separately supplied gas protects the arc and welding zone against outside air. The shielding gas and welding rod must be matched to the base material.

Weldable materials include:

Aluminium alloys, general structural, boiler, tubular steel, stainless steel, high alloy steel

Method: MIG, MAG

Wire electrode: matched to the material to be welded SG 1-3.

Welding shielding gas: Ar, He or mixtures mixed gases (Ar/CO₂) or CO₂ (e.g. Ar/CO₂ or Ar/CO₂/O₂)

MIG/MAG welding is the most popular welding method nowadays on account of its enormous advantages. The high welding speed, minimum reworking and low distortion ensure high efficiency. The great weld seam strength, excellent thin-sheet properties and simple and safe handling with steel, aluminium and stainless steel make the method universally acceptable.

- 1- Shielding gas nozzle
- 2- Contact tip
- 3- Electrode
- 4- Shielding gas
- 5- Arc
- 6- Melt zone
- 7- Base material

