

Smart welding solutions

WELDOBOT Ltd. was founded in 2012 as a start-up company to develop and market innovative advanced **welding solutions**.

WELDOBOT introduces unique Patented products to the traditional **welding** industry, combining **robotics** and **welding** of heavy steel, Armored steel, stainless steel to be used in heavy equipment industry, automotive, Transportation, Ships, trains, Vessels welding, pipe line welding etc.

WELDOBOT is an engineering-oriented company specialized in the fields of mechanics, electrical and electronics, Software and Algorithm development.

WELDOBOT main products are: **AROW**, an **autonomous robot** (Laser Guided) for orbital welding, mainly for outdoor GAS and Water pipelines welding.

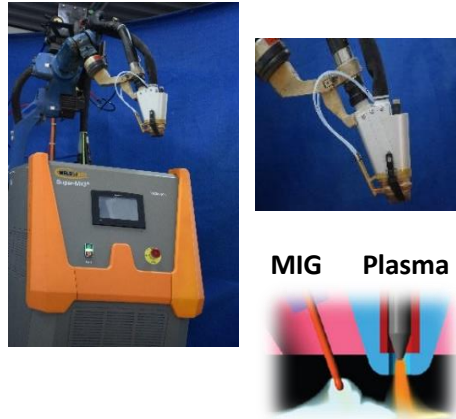
SuperMIG, A proprietary welding system that combines **Plasma and MIG** arcs in one torch for fast and efficient welding of thick and long steels. Used mainly to weld thick, long welds of all kinds of steels like HSS, stainless steel, Armored steel.

WELDOBOT sales channels in **Europe, USA and China**

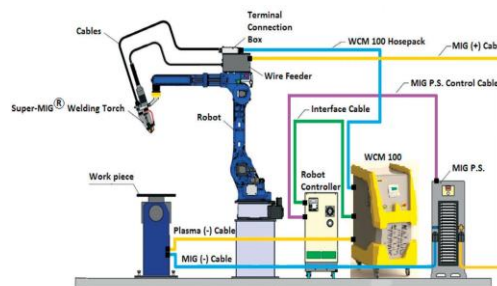
Branches

Israel H.Q IL & Eu, Zor Yegal
 USA Sales & Service, LA
 Europe Sales & Service Warsaw
 China Sales & Service Shanghai

The **SuperMIG** System utilizes two well-known, reliable welding processes: **Plasma Arc and MIG (GMAW) Arc** in one welding torch.



SYSTEM CONFIGURATION



Benefits when welding thick materials with the **SuperMIG**:

- **Deeper** weld penetration.
- **Faster** travel speed.
- **Minimal** material preparation (no need to bevel up to 15 mm thick)
- **Higher** deposition
- **Single-pass**, one side welding
- **Reduced** heat input
- **Narrow** heat affected zone.
- **Fast** ROI

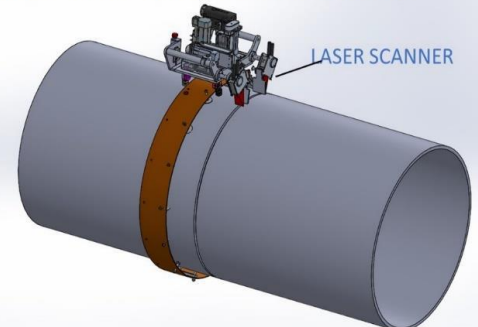
Applications:

- Mainly for 5mm thick and above
- Boilers (steel & stainless)
- Autoclaves Heat exchangers
- Construction parts H/T beams
- Crane Booms Silos & containers
- Shipyards
- Armored steel constructions
- Earth moving machine

The **AROW - Autonomous Robot for Orbital Welding**

An Innovative autonomous pipe welding robot, using advanced Laser sensing technology. Reducing the dependence on professional welders. Significantly improves welding process and increases throughput.

AROW - LASER GUIDED ORBITAL WELDING



Key features:

- Welds Diameters from 12" and up
- Welding up hill and down hill
- Real time laser groove tracking
- 3 axis servo control motors
- Auto Servo controlled wire feeder
- 2 Arrows can work in parallel.
- Automatic welding.
- Laser guided to track the weld seam during weld execution.
- Less Skilled Welder needed.
- Designed for a tough outdoor work environment.
- High reliability and availability

Quality Assessment:

ISO9001
 Product CE approval