



管道自动焊机
Pipeline automatic welding machine

MG

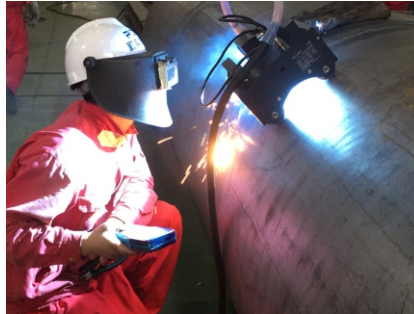
全位置自动焊接机器人 All-position intelligent pipe weldig machine

产品描述

- 采用工件固定、焊接小车行走的方式实现全位置自动焊接
- 适用各种焊缝：如管子-管子环缝焊(内外焊)、管子-弯头、管子-法兰角焊、罐体横焊和竖焊、管桩的横焊等
- 通过无线遥控 预设焊接参数，焊接工作中根据工况实时微调焊接参数
- 焊接小车采用永磁吸附，方便现场作业，针对带防腐层/保温层/不锈钢等材质管道，可选配或自制轨道
- 焊缝成形美观，焊接质量符合UT、RT等检测

工程案例

PROJECT EXAMPLE



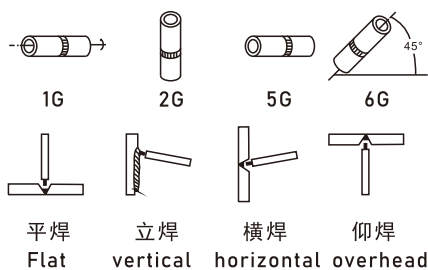
FEATURES

- The whole position automatic welding is realized by fixing the workpiece and walking the welding trolley
- Applicable welds: all kinds of welds, such as pipe pipe girth welding (internal and external welding), pipe elbow welding, pipe flange fillet welding, horizontal and vertical welding of tank body, horizontal welding of pipe pile, etc
- Preset welding parameters by wireless remote control, and fine tune welding parameters in real time according to working conditions
- The welding trolley adopts permanent magnet adsorption, which is convenient for on-site operation. For pipes with anti-corrosion layer / insulation layer / stainless steel and other materials, the rail can be selected or made by our selves
- The weld shape is beautiful, and the welding quality meets the requirements of UT and RT

应用现场

ON-SITE PROCESS





技术参数

- 适合管径: > 130mm
- 驱动方式: 磁轮驱动
- 控制方式: 无线遥控, 一键启动
- 焊接速度: 0~1200mm/min连续可调
- 焊枪摆动参数:
 - 摆动宽度0.0~左30.0mm/右30.0mm
 - 摆动速度 0~200
 - 左右延时 0.0~10.0s
- 焊枪调整范围: 上/下25mm, 前倾/后倾45°
- 焊枪长度: 4.5m
- 气电电缆: 标准15m
- 保护气体: Co₂ 或80%Ar+20%Co₂ 气体
- 适用焊丝: 实芯1.0mm / 药芯1.2mm
- 遥控器电池: 锂电池 (续航360小时)
- 容量Capacity 23.3/22.4KWA
- 电流 current 500A
- 毛量G.W 140kg
- 包装尺寸Size 820*700*820mm

TECHNICAL PARAMETER

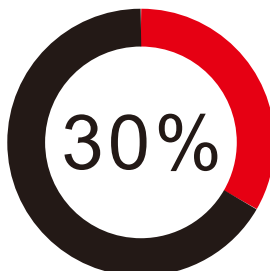
- Suitable diameter: > 130mm
- Drive mode: magnetic wheel drive
- Control mode: wireless remote control, one button start
- Welding speed: 0 ~ 1200mm / min, continuously adjustable
- Welding torch swing parameters:
 - Swing width 0.0 ~ left 30.0 mm / right 30.0 mm
 - Swing speed 0 ~ 200
 - Residence time 0.0 ~ 10.0s
- Welding torch adjustment range: up / down 25 mm, forward / backward tilt
- Welding torch length: 4.5m
- Connecting cable: Standard 15m
- Protective gas: CO₂ or 80% Ar + 20% CO₂
- Applicable welding wire:
 - solid core 1.0 mm / flux core 1.2 mm
- Remote control battery:
 - lithium battery (360 hours)

关键优势

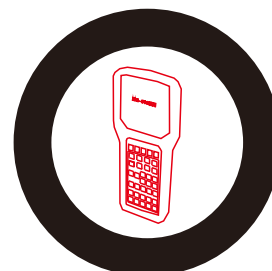
KEY ADVANTAGES



工效提升3~4倍
Work efficiency increased by 3 ~ 4 times



降低综合焊接成本
Reduce welding cost



减轻焊工劳动强度
Reduce the labor intensity of welders

工程案例

PROJECT EXAMPLE



应用现场

ON-SITE PROCESS



全位置自动焊接机器人

All-position intelligent pipe weldig machine

产品主要组成部分

Main components of the product

智能焊接小车：永磁吸附
Intelligent welding car: permanent magnet adsorption



无线操控系统
Wireless control system



松下（可选肯比）焊接电源
Panasonic (optional Kemppi) welding machine



自动送丝机+专用焊枪
Automatic wire feeder + special welding gun



焊接控制/气/电缆+地线
Welding control / gas / Cable + ground wire

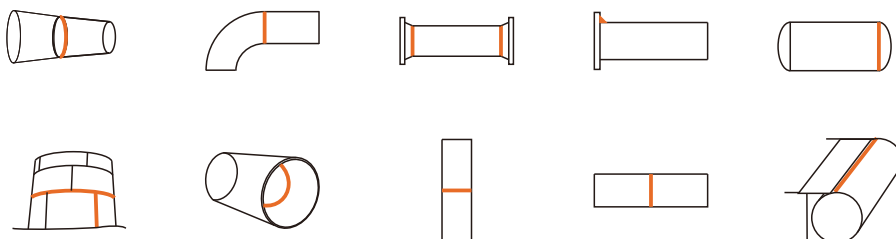


焊接通用部件
Welding general parts



可焊工件图样

Weldable workpiece drawing



机型选择 Model selection



MG-500 Plus

全位置智能焊接小车
专用松下Panasonic 500型焊接电源
专用自动送丝机
专用焊枪
无线控制+智能焊接参数
配套配件

All position intelligent welding car
Panasonic 500 welding power supply
Special automatic wire feeder
Special welding gun
Wireless control +
intelligent welding parameters
Accessories



MG-500K Plus

全位置智能焊接小车
专用肯比KEMPPi X3MIG500焊接电源
专用自动送丝机
专用焊枪
无线控制+智能焊接参数
配套配件

All position intelligent welding car
KEMPPi X3MIG500 welding power
Special automatic wire feeder
Special welding gun
Wireless control +
intelligent welding parameters
Accessories



MG-500 Plus CF

全位置智能焊接小车
专用松下Panasonic 500型焊接电源
专用自动送丝机
专用焊枪+专用割枪
无线控制+智能焊接参数
配套配件

All position intelligent welding car
Panasonic 500 welding power supply
Special automatic wire feeder
Special welding gun
+special cutting gun
Wireless control +
intelligent welding parameters
Accessories

全位置智能焊接小车
专用焊枪
无线控制+智能焊接参数
配套配件
All position intelligent welding car
Special welding gun
Wireless control +
intelligent welding parameters
Accessories



MG-500



MG-500 SS

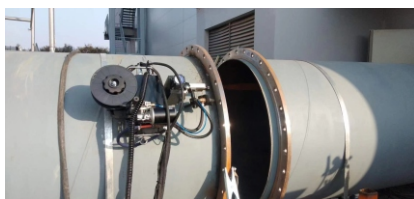
全位置智能焊接小车
专用肯比KEMPPi FastMigX450焊接电源
专用自动送丝机
专用焊枪
无线控制+智能焊接参数
配套配件

All position intelligent welding car
KEMPPi FastMigX450 welding power
Special automatic wire feeder
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Wireless control +
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Accessories

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