
DAIHEN (OTC) · Selection Guide

CO $\blacksquare$ /MAG/MIG GMAW welders

Full-digital inverter control, from low-spatter to pulse and double-pulse models

About this series

Gas metal arc welding is one of the most productive semi-automatic processes in steel structures, automotive parts and construction machinery. The DAIHEN (OTC) CO $\blacksquare$ /MAG/MIG range is built on full-digital inverter control and extends from low-spatter models to DC pulse and double-pulse machines, plus high-efficiency MAG/CO $\blacksquare$ models.

Technical characteristics

- Full-digital inverter control: welding waveforms are generated digitally and settings are repeatable
- Low-spatter models (WE M350L, WE P400L / WE P500L) suit thin plate and visible work
- DC pulse and DC double-pulse models suit vertical, overhead and all-position welding
- New-generation intelligent inverter models (M350L / M500 / P400 / WB-P500 / W400) adjust parameters intelligently
- IGBT soft-switching inverter models (DM350 / DL350) balance output efficiency and reliability
- CPVE / CPVF / CPVS series address heavy-duty and long continuous operation

Typical applications

Steel structures and bridges · Automotive and parts · Construction machinery · Pressure vessels · Shipbuilding and offshore · Sheet metal

Representative models (23)

WE M350L	Full-digital inverter low-spatter welding machine
WE P400	Full-digital inverter DC pulse welding machine
WE P400L	Full-digital inverter DC low-spatter pulse welding machine
WE P500	Full-digital inverter DC pulse welding machine
WE P500L	Full-digital inverter DC low-spatter pulse welding machine
HT500	Full-digital inverter CO $\blacksquare$ /MAG high-efficiency welding machine
DPS	Ultra high-efficiency MAG/CO $\blacksquare$ welding machine
DPS pulse model	Full-digital inverter DC pulse MIG/MAG welding machine (DC pulse / DC double pulse)

M350L	New-generation intelligent inverter CO ₂ /MAG welding machine
M500	New-generation intelligent inverter CO ₂ /MAG welding machine
P400	New-generation intelligent inverter CO ₂ /MAG/MIG pulse welding machine
WB-P500	New-generation intelligent inverter CO ₂ /MAG/MIG pulse welding machine
W400	New-generation intelligent inverter AC/DC pulse MIG/MAG welding machine
DM350	Full-digital IGBT soft-switching inverter CO ₂ /MAG welding machine
DL350	Full-digital IGBT soft-switching inverter CO ₂ /MAG welding machine
CPVE250	Full-digital IGBT inverter CO ₂ /MAG welding machine
CPVE400	Full-digital IGBT inverter CO ₂ /MAG welding machine
CPVE400RII	Full-digital IGBT inverter CO ₂ /MAG welding machine
CPVE500(S-2)	Full-digital IGBT inverter CO ₂ /MAG welding machine
CPVE630G	Full-digital inverter CO ₂ /MAG welding machine
CPVF500	Full-digital IGBT inverter CO ₂ /MAG welding machine
CPVS500	Full-digital inverter CO ₂ /MAG welding machine
P400L	Multi-process machine for a wide range of site welding tasks

This document is a selection reference. Models, configurations and detailed specifications follow the technical documentation shipped with the equipment.

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