

DAIHEN (OTC) · Range Overview

DAIHEN (OTC) welding equipment, distributed in China

This overview lists the DAIHEN (OTC) welding and cutting equipment series we supply, for technical review and comparison.

CO $\blacksquare$ /MAG/MIG GMAW welders

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

Representative models: 23

TIG welders

DC pulse and AC/DC pulse TIG for stainless steel and aluminium

Representative models: 5

MMA welders and multi-process machines

Field-adapted machines for structural work and repair

Representative models: 2

Air plasma cutting machines

Compressed air as the cutting gas for medium-thick and thick plate

Representative models: 2

Robotic welding and automation

Welding cells, positioners, seam tracking and thick-plate systems

Representative models: 4

Torches, wire feeders and consumables

The parts that keep output stable

Representative models: 4

FD series multi-purpose industrial robots

6-axis multi-purpose robots from 6 kg to 210 kg payload

Representative models: 18

Robot peripherals: welding positioners

1PB / 1PC / 2PF series, 250 kg to 1000 kg capacity

Representative models: 3

Representative models

CO₂/MAG/MIG GMAW welders

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 ₂ /MAG high-efficiency welding machine
DPS	Ultra high-efficiency MAG/CO ₂ 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

TIG welders

T500P	Intelligent inverter DC pulse TIG welding machine
DT315P	Full-digital IGBT soft-switching inverter DC pulse TIG welding machine
VRTP400(S-4)	Inverter DC pulse TIG arc welding machine
MINI 200P	Portable compact inverter DC pulse TIG / MMA dual-purpose welding machine

AC/DC pulse model	Full-digital inverter AC/DC dual-purpose pulse TIG welding machine
MMA welders and multi-process machines	
MRA630	Microcomputer-controlled multi-function DC welding machine
MINI 200P	Portable compact inverter DC pulse TIG / MMA dual-purpose welding machine
Air plasma cutting machines	
D12000■	High-performance air plasma cutting machine for thick plate
C70	High-performance air plasma cutting machine for medium-thick plate
Robotic welding and automation	
D-Arc deep penetration	High-efficiency welding system for thick plate
Robotic welding cell	Integration package tailored to workpiece and cycle time
Positioner and fixture	Designed around robot reach and weld position
Seam tracking and monitoring	Options for long-weld consistency and process records
Torches, wire feeders and consumables	
Welding torches	Air-cooled and water-cooled torches matched to DAIHEN (OTC) machines
Wire feeders	Matched wire feeding units and liners
Contact tips and nozzles	Wear parts selected to welding current and duty
Wear part kits	Grouped key wear parts for scheduled replacement
FD series multi-purpose industrial robots	
FD-B6	6-axis · 6 kg payload · repeatability ± 0.08 mm · 145 kg
FD-B6L	6-axis · 6 kg payload · repeatability ± 0.08 mm · 278 kg
FD-V8	6-axis · 8 kg payload · repeatability ± 0.08 mm · 140 kg
FD-V8L	6-axis · 8 kg payload · repeatability ± 0.08 mm · 273 kg
FD-V25	6-axis · 25 kg payload · repeatability ± 0.07 mm · 278 kg
FD-V80	6-axis · 80 kg payload · repeatability ± 0.08 mm · 780 kg
FD-V100	6-axis · 100 kg payload · repeatability ± 0.08 mm · 770 kg
FD-V130	6-axis · 130 kg payload · repeatability ± 0.08 mm · 765 kg
FD-V166	6-axis · 166 kg payload · repeatability ± 0.01 mm · 1010 kg
FD-V210	6-axis · 210 kg payload · repeatability ± 0.15 mm · 1040 kg

FD-H5	Official specification is published as a datasheet; request it from us
FD-A20	Official specification is published as a datasheet; request it from us
FD-V50	Official specification is published as a datasheet; request it from us
FD-V280L	Official specification is published as a datasheet; request it from us
FD-V350	Official specification is published as a datasheet; request it from us
FD-V400L	Official specification is published as a datasheet; request it from us
FD-V600	Official specification is published as a datasheet; request it from us
FD-V700	Official specification is published as a datasheet; request it from us

Robot peripherals: welding positioners

Positioner 1PB250 / 500 / 1000	A2PB252-J: 250 kg capacity, repeatability ± 0.05 mm (R300), 110 kg; A2PB502-J: 500 kg capacity, repeatability ± 0.05 mm (R300), 170 kg; A2PB1002-J: 1000 kg capacity, repeatability ± 0.05 mm (R300), 220 kg
Positioner 1PC500 / 1000	PC501: 500 kg capacity, repeatability ± 0.05 mm (R250), 260 kg; PC1001: 1000 kg capacity, repeatability ± 0.05 mm (R250), 260 kg
Positioner 2PF300 / 500 / 1000	A2PF301-JNN: 300 kg capacity, repeatability ± 0.05 mm (R250), 260 kg; A2PF501-JNN: 500 kg capacity, repeatability ± 0.05 mm (R250), 260 kg; A2PF1001-JNN: 1000 kg capacity, repeatability ± 0.05 mm (R250), 470 kg

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

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