

KEYGREE DOUBLE PULSE Series – Global Multi-Process Digital MIG Welding Solutions



Wenzhou, Zhejiang Apr 2, 2026 (Issuewire.com) - 700,000 units annual capacity | CE, ISO, BSCI, FCCA certified | Trusted across six continents

The [MIGMaster-DP series](#) represents the pinnacle of KEYGREE's engineering expertise — a complete line of digital MIG welders engineered for the diverse needs of welders worldwide, from small workshops to heavy industry.

Our Global Service Commitment Service Scope – Wherever You Are, We Support You

Service Area

Coverage & Capabilities

Global Distribution Network

Exporting to over 120 countries across Asia, Europe, North America, South America, Africa, and Oceania

24/7 Technical Support

English, Spanish, Portuguese, Russian, and Arabic technical support available via WhatsApp +86 18058395375

Spare Parts Availability

Global spare parts network with rapid dispatch to major ports worldwide

Documentation

User manuals and technical documentation in English, Spanish, Portuguese, French, Russian, Arabic, and Bahasa Indonesia

Training Support

Remote training via video conference and on-site training programs for major distributors

Quality Certifications

CE, ISO 9001, BSCI, FCCA – CNAS accreditation in process for expanded laboratory capabilities

Logistics

FCL, LCL, and air freight options from major Chinese ports – flexible shipping solutions

Payment Flexibility

T/T, L/C, Western Union, and trade assurance options for secure transactions

MIGMaster-DP Series – Engineered for Global Applications Series Models

Model

Application Focus

MIGMaster-200DP

Light fabrication, automotive repair, hobbyist, small workshop

MIGMaster-250DP

General fabrication, construction, medium manufacturing

MIGMaster-300DP

Heavy fabrication, structural steel, industrial maintenance

MIGMaster-350DP

Heavy industry, shipbuilding, pipeline construction

MIGMaster-500DP

Heavy industrial, mining equipment, thick plate fabrication

Key Selling Points – Global Advantages Universal Power Compatibility

- **Automatic voltage recognition: 1/2/3 PHASE 160-450V**
- Works on **single-phase or three-phase** power grids worldwide
- No manual switching required – plug and weld in **North America (208/230/460V), Europe (230/400V), Asia (220/380V), Middle East (230/415V), and Latin America (220/440V)**

Six Welding Processes in One

- **MIG Manual**– Traditional MIG for carbon steel, stainless steel
- **MIG Synergic**– One-knob operation with **thickness prompts** – ideal for operators of all skill levels
- **Single Pulse MIG**– **Essential for aluminum** – controlled spray transfer, reduced spatter
- **Double Pulse MIG**– Creates **stack-of-coins aluminum welds** – professional appearance without grinding
- **MMA**– Stick welding for outdoor, field, and remote applications
- **Lift TIG**– Precision TIG for thin materials, stainless steel, and aluminum sheet

Remote Control Compatible

- Compatible with **torch-mounted digital remote control**
- Remote adjustment of:
 - Current
 - Inductance
 - Job number storage and recall
- Adjust parameters without leaving the weld joint – **critical for large fabrications and pipeline work**

Smart Material Guidance

- **Synergic mode prompts metal thickness**– guides operators worldwide to correct settings
- Reduces errors across language barriers – visual prompts transcend language

CE-Compliant Intelligent Cooling

- **Smart fan operation**– runs only when needed
- **Meets CE standards** for energy efficiency and noise reduction
- Reduces dust ingress – **extends machine life in challenging environments** (deserts, jungles, factories)

Large LCD Display

- High-visibility digital display
- Clear parameter readout in all lighting conditions
- Intuitive interface – minimal training required

Dual-Drive Wire Feeding System

- **Dual-roll wire feeder**– smooth, consistent wire delivery
- **Essential for aluminum**– prevents bird-nesting and feeding issues
- **Handles 8mm to 1.2mm wire diameters** across all materials

Multiple Torch Modes

- **2T**– Standard operation
- **4T**– Reduced operator fatigue for long seams
- **Special 4-step**– Advanced control for critical applications
- **Spot welding mode**– Tack and spot applications

Global Material Compatibility

Material

Applications

Carbon Steel

Structural fabrication, automotive, construction, pipelines

Stainless Steel

Food equipment, pharmaceutical, architectural, marine

Aluminum-Magnesium Alloy

Marine, automotive, aerospace, transportation

Aluminum-Silicon Alloy

Casting repair, automotive, specialized fabrication

Built-In Wire Spool Compartment

- Accommodates **5kg and 15kg spools**
- No external wire feeder required
- Ready for both small jobs and production runs

Mobile Workstation Design

- **Wheeled platform**– easy movement across workshops, construction sites, and maintenance facilities
- **Accommodates 40-liter gas cylinder**– complete mobile welding station
- Ideal for **shipyards, construction sites, field maintenance, and mobile service vehicles**

Enhanced Durability

- **Multi-layer insulation** protects PCB and main circuits
- Designed for **harsh environments** – heat, humidity, dust, and vibration
- Proven reliability across **tropical, desert, arctic, and marine conditions**

Global Service Cases – Solving Real Problems Worldwide

We have structured our offering around the "**Customer + Challenge + Solution + Result**" framework to demonstrate how KEYGREE welders perform in diverse global conditions.

Case 1: German Automotive Tier 1 Supplier – EV Battery Tray Production

Location: Baden-Württemberg, Germany

Customer: Major automotive supplier manufacturing aluminum battery trays for electric vehicles

Challenge: Producing aluminum battery trays required:

- Consistent, high-quality pulse MIG welds meeting strict automotive standards
- Cosmetic appearance requirements for visible joints
- Traceability for quality audits
- Integration into automated production lines

Solution:

- **MIGMaster-350DP** with **Double Pulse MIG mode** delivers stack-of-coins appearance
- **Program storage** saves certified WPS settings for instant recall
- **Torch-mounted remote** allows fine-tuning during production
- **CE-certified** – meets all European safety requirements
- **Dual-drive feeder** ensures smooth aluminum wire feeding

Result:

- **30% reduction in rework** on aluminum battery trays
- Successfully passed **IATF 16949 audit** with full parameter traceability
- **Expanded to 12 units** across their German and Hungarian facilities

Case 2: Indonesian Shipyard – Aluminum Boat Construction

Location: Batam, Indonesia

Customer: Shipyard constructing aluminum passenger ferries for Southeast Asian routes

Challenge: Tropical marine environment demanded:

- Corrosion-resistant aluminum welding capability
- High humidity – equipment must survive tropical conditions
- Long, continuous welds on hull sections
- Mobile equipment that could move along vessels under construction

Solution:

- **MIGMaster-500DP** provides **500A output** for thick aluminum plate (8-15mm)
- **Pulse MIG mode** controls heat input in tropical humidity
- **Multi-layer insulation** protects circuits from moisture
- **4T torch mode** reduces operator fatigue during long seams
- **Wheeled platform with gas cylinder** – complete mobile station

Result:

- **Production efficiency increased 35%** on aluminum hull construction
- **Zero humidity-related failures** despite 85%+ relative humidity
- Successfully delivered **3 vessels ahead of schedule**
- **Fleet expanded to 8 units** across two shipyards

Case 3: Saudi Arabian Oil & Gas – Pipeline Maintenance

Location: Eastern Province, Saudi Arabia

Customer: Oil and gas maintenance contractor servicing pipeline infrastructure

Challenge: Desert field conditions demanded:

- Equipment that could withstand **extreme heat (50° C+) and sand**
- Reliable performance on **generator power with voltage fluctuations**
- Both MIG for pipe and MMA for field repairs
- Portable solution for remote locations

Solution:

- **MIGMaster-350DP** with **160-450V auto-sensing** – works on unstable generator power
- **MMA mode** with **hot start and arc force** – excellent stick welding performance
- **Smart cooling fan** – reduces sand ingestion compared to continuously running fans
- **Multi-layer insulation** protects against heat
- **Wheeled platform** – easy transport across desert sites

Result:

- **One machine replaced two** (MIG + stick welder) in service vehicles
- **Zero failures** during two years of desert operation
- **40% reduction** in equipment transported to remote sites
- **ROI achieved in 3 months** through equipment consolidation

Case 4: Nigerian Construction Company – Structural Steel

Location: Lagos, Nigeria

Customer: Construction firm erecting commercial buildings and infrastructure

Challenge: West African construction demanded:

- Equipment that could handle **voltage fluctuations and unstable grid power**

- Multi-process capability for varied applications
- Rugged construction for job site conditions
- Easy serviceability with local support

Solution:

- **MIGMaster-250DP** with **wide voltage input (160-450V)** – handles unstable Nigerian grid
- **MIG, MMA, and Lift TIG** in one machine – covers all site requirements
- **Dual-drive feeder** – reliable wire feeding despite dust
- **BSCI-certified manufacturing** – ethical production standards
- **Multi-layer insulation** protects against heat and humidity

Result:

- **80% reduction in power-related issues** compared to previous equipment
- **Completed 5 major construction projects** with zero welding equipment downtime
- **Local technicians trained** – now servicing 20+ units in Nigeria
- **Purchased 15 additional units** for expanding operations

Case 5: Australian Mining Operation – Heavy Equipment Repair

Location: Pilbara region, Western Australia

Customer: Iron ore mining operation with on-site maintenance facility

Challenge: Remote mine site demanded:

- Equipment capable of **thick plate welding** on heavy mining equipment
- Reliable performance in **extreme heat and dust**
- Capability for both steel and aluminum components
- Minimal downtime – repairs must be completed quickly

Solution:

- **MIGMaster-500DP** delivers **500A output** for thick plate (up to 20mm)
- **Pulse MIG mode** for aluminum components on mining vehicles
- **Dual-drive feeder** handles **6mm wire** for heavy fabrication
- **Smart cooling** reduces dust ingress in Pilbara conditions
- **CE and ISO certified** – meets Australian safety standards

Result:

- **Equipment repair time reduced by 40%** through faster, more reliable welding
- **Component life extended** through higher quality repairs
- **Now standard equipment** across 3 mine sites
- **Annual maintenance savings** estimated at AUD 150,000

Case 6: Vietnamese Motorcycle Manufacturer – Frame Fabrication

Location: Ho Chi Minh City, Vietnam

Customer: Major motorcycle manufacturer producing frames for domestic and export markets

Challenge: High-volume production demanded:

- Consistent MIG welds on carbon steel frames
- Minimal spatter to reduce post-weld cleaning
- High duty cycle for continuous production
- Operator-friendly interface for mixed skill levels

Solution:

- **MIGMaster-350DP** units deployed on production line
- **Synergic MIG mode** with thickness prompts – guides operators
- **Pulse MIG mode** reduces spatter on thin-wall tubing
- **100% duty cycle** enables continuous production
- **Program storage** saves settings for different frame models

Result:

- **Post-weld cleaning reduced by 60%** – significant labor savings
- **New operators reach production quality in 2 days** instead of 2 weeks
- **Production output increased 25%** with same workforce
- **50 units now operating** across 3 production facilities

Case 7: Canadian Cold Weather Fabrication – Arctic Infrastructure

Location: Alberta, Canada

Customer: Fabricator building infrastructure for oil sands and arctic conditions

Challenge: Extreme cold demanded:

- Equipment that would **start and perform at -30 °C**
- Reliable wire feeding in cold conditions
- Capability for both carbon steel and stainless steel
- Portable for remote northern locations

Solution:

- **MIGMaster-350DP** with enhanced low-temperature components
- **Dual-drive feeder** maintains consistent wire tension in cold
- **Multi-process capability** – MIG for structural, TIG for precision
- **Wheeled platform** – mobile across remote sites
- **ISO certified** – meets Canadian welding standards

Result:

- **100% startup success** at -30 °C – zero cold-weather failures
- **One machine replaces three** in remote service trucks
- **Northern operations expanded** with confidence

- **20 units deployed** across Alberta and Northwest Territories

Case 8: Italian Architectural Fabrication – Decorative Stainless Steel

Location: Milan, Italy

Customer: High-end architectural metal fabricator creating custom stainless steel features for luxury buildings

Challenge: Architectural applications demanded:

- **Beautiful weld appearance** on visible stainless steel
- **Lift TIG capability** for thin sheet (1-3mm)
- Pulse MIG for thicker sections
- Precision control for design-driven projects

Solution:

- **MIGMaster-250DP** with **Lift TIG mode** – clean, precise TIG on thin stainless
- **Pulse MIG mode** for thicker architectural elements
- **Torch-mounted remote** for fine adjustment during complex welds
- **Synergic mode** simplifies setup for different stainless alloys
- **CE-certified** – meets European standards

Result:

- **Grinding and finishing time reduced by 70%** – welds look good as-welded
- **Took on more complex architectural projects** with confidence
- **Client satisfaction improved** – secured contracts for 5 luxury hotel projects
- **Now using 8 units** across Milan and Rome workshops

Case 9: Brazilian Agricultural Equipment Manufacturer

Location: Ribeirão Preto, Brazil

Customer: Manufacturer of agricultural implements including harvesters and planters

Challenge: Agricultural fabrication required:

- High-volume production of carbon steel components
- Ability to weld varying thicknesses from 2mm to 12mm
- Minimal downtime during harvest season rushes
- Equipment that could withstand Brazilian workshop conditions

Solution:

- **MIGMaster-350DP** units on production line
- **Synergic MIG mode** for quick changeover between material thicknesses
- **Dual-drive feeder** handles flux-cored wire for heavy sections
- **Smart cooling** reduces maintenance in dusty conditions

- **FCCA-certified manufacturing**– social compliance assured

Result:

- **Changeover time reduced by 50%**between different implement models
- **Production increased 30%**during peak season
- **Zero production stoppages**due to welding equipment
- **40 units now operating**across 2 facilities

Case 10: Russian Pipeline Construction – Siberian Project

Location: Siberia, Russia

Customer: Pipeline contractor building natural gas transmission lines

Challenge: Extreme conditions demanded:

- Equipment that would operate at **-40° C**
- Reliable arc stability for **cellulosic electrodes** in root passes
- Capability for both MIG (fill passes) and stick (root)
- Portable for remote Siberian locations

Solution:

- **MIGMaster-500DP**with enhanced cold-weather components
- **MMA mode**optimized for cellulosic electrodes (E6010)
- **Arc force control**for deep penetration in root passes
- **Pulse MIG mode**for fill and cap passes
- **Wide voltage input**– works on generator power
- **Wheeled platform**– mobile across pipeline right-of-way

Result:

- **One machine handles entire pipeline welding process**– root to cap
- **100% startup success**at -40° C after overnight outdoor exposure
- **Pipeline sections completed 20% faster**than with separate machines
- **Now standard equipment**for 3 major pipeline contractors

Case 11: South African Mining Equipment Rebuild

Location: Johannesburg, South Africa

Customer: Mining equipment rebuild facility servicing gold and platinum mines

Challenge: Heavy equipment rebuild demanded:

- Deep penetration welding on thick sections (up to 30mm)
- Ability to weld **hard-facing alloys** for wear resistance
- High duty cycle for continuous operation
- Equipment that could withstand African workshop conditions

Solution:

- **MIGMaster-500DP** with **500A output** for heavy sections
- **Dual-drive feeder** handles 1.6mm hard-facing wire
- **MMA mode** for electrodes when required
- **Smart cooling** reduces dust ingestion
- **Multi-layer insulation** protects circuits in high ambient temperatures

Result:

- **Rebuild quality improved** – longer component life after repair
- **Equipment uptime increased 45%** through faster, more reliable welding
- **3-year ROI** through reduced component replacement costs
- **15 units deployed** across South Africa and Zimbabwe

Case 12: Turkish Home Appliance Manufacturer – Stainless Steel Production

Location: Istanbul, Turkey

Customer: Major home appliance manufacturer producing stainless steel kitchen equipment

Challenge: High-volume production demanded:

Consistent, spatter-free MIG welds on stainless steel

Minimal post-weld cleaning for cosmetic surfaces

High duty cycle for continuous production

Operator-friendly interface for mixed skill workforce

Solution:

MIGMaster-350DP on production line

Pulse MIG mode for reduced spatter on stainless

Synergic mode with stainless presets – simplifies operation

Program storage for different product models

CE-certified – meets European safety standards

Result:

Post-weld finishing reduced by 65% – significant labor savings

Production quality improved – fewer customer returns

Production capacity increased 30% with existing workforce

25 units now operating across Istanbul facility

Global Technical Specifications

Parameter

MIGMaster-200DP

MIGMaster-250DP

MIGMaster-300DP

MIGMaster-350DP

MIGMaster-500DP

Input Voltage

1/2/3PH 160-450V

1/2/3PH 160-450V

1/2/3PH 160-450V

1/2/3PH 160-450V

1/2/3PH 160-450V

Output Current

40-200A

40-250A

40-300A

40-350A

40-500A

Duty Cycle

30% @ 200A

75% @ 300A

75% @ 300A

100% @ 350A

100% @ 500A

Wire Diameter

0.8-1.2mm

0.8-1.2mm

0.8-1.2mm

0.8-1.2mm

0.8-1.6mm

Wire Spool

5kg

5/15kg

5/15kg

5/15kg

5/15kg

Compatible Gas Cylinders

/

40L

40L

50L

50L

Net Weight

10.8kg

32kg

38kg

93kg

103kg

Dimensions (mm)

540×235×390

1020×460×740

1020×460×740

1040×580×1480

1040×580×1480

Certifications & Quality Standards

Certification

Scope

CE

European safety and EMC standards – access to EU market

ISO 9001

Quality management system – consistent quality worldwide

BSCI

Social compliance – ethical manufacturing practices

FCCA

Ford Customer-Specific Requirements – automotive industry recognition

CNAS

(In process) – Expanded laboratory accreditation for testing

Annual Production Capacity: 700,000 Units – Reliable supply for global partners

KEYGREE MIGMaster-DP Series — Core Advantages

[?] Universal Power — 1/2/3 phase 160–450V auto-sensing — works on any grid worldwide

[?] Aluminum-Optimized — Pulse and Double Pulse modes with dual-drive feeder ensure reliable aluminum welding

[?] Multi-Process Capability — MIG, Pulse MIG, Double Pulse, MMA, Lift TIG — one machine for all applications

- ❓ **Global Certifications** — CE, ISO, BSCI, FCCA — accepted worldwide
- ❓ **Proven in Extreme Conditions** — From Siberian cold to Saudi heat to tropical humidity
- ❓ **Mass Production Scale** — 700,000 units annual capacity ensures reliable supply
- ❓ **Complete Mobile Workstation** — Built-in wire compartment + gas cylinder platform
- ❓ **Remote Control Ready** — Torch-mounted digital remote for large fabrications
- ❓ **24/7 Global Support** — English, Spanish, Portuguese, Russian, Arabic technical support
- ❓ **Flexible Logistics** — FCL, LCL, air freight from major Chinese ports

Service Network & Support

- Technical consultation for application requirements
- Sample welding testing available
- Distributor partnership programs
- OEM/ODM customization available

After-Sales Support

- **24/7 technical support:** WhatsApp +86 18058395375
- **Spare parts:** Global network with rapid dispatch
- **Documentation:** Manuals in 8+ languages
- **Training:** Remote and on-site programs for distributors
- **Warranty:** Standard 12-month warranty with extension options

Payment & Logistics

- **Payment:** T/T, L/C, Western Union, Trade Assurance
- **Shipping:** FCL, LCL, air freight from Shanghai, Ningbo, Shenzhen
- **Lead time:** 15-30 days depending on order volume
- **Minimum order:** Sample orders accepted for qualified partners

KEYGREE GROUP CO., LTD.

Your Global Welding Partner

Website: www.keygree.com

Annual Production Capacity: 700,000 Units

Certifications: CE, ISO 9001, BSCI, FCCA

CNAS Accreditation: In Process

Engineered in China. Proven Worldwide. Trusted by Industry Leaders.

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