

MULTI 250KT - PLUS CONCEPT

DC Multifunction Pulse MIG Welding System

Welds: Steels, Stainless, Cast Iron, Bronze, Aluminium, Copper



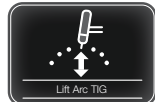
FEATURES



Synergic Pulse MIG Programs
High Speed Synergic Pulse MIG
Twin Pulse



High Speed MIG/MAG
Synergic MIG



DC Lift arc TIG with PULSE
Manual and Synergic Programs



MMA Stick mode
Manual and Synergic Programs
Hot Start / Arc Force / Anti Sticking



Push Pull Ready



Voltage Reduction Device



4 Geared Drive Roller



Manufactured in compliance
to AS/NZ60974.1 / ISO/IEC

- 2/4T Trigger Functions
- Up Slope - Down Slope
- Variable Start Current and Crater Current
- Simple selection of welding programs
- Simple interface for easy operation
- Accepts wide voltage supply variations (170-270V)
- Robust trolley with cylinder rack & drawer as pictured



Technical Data

Power Supply / Phases

240v 1 Phase

Rated Power

9.1KVA

Welding Current - MIG

20A /14V - 250A /27.5V

Welding Current - MMA (A)

20A /21V - 220A /28.8V

Welding Current - TIG (A)

10A /10V - 250A /20.0V

Duty Cycle @ 40°C

40% @ 250 Amps

100% @ 160 Amps

No Load Voltage (V)

90V

Open Circuit Voltage (V)

VRD On - 15V, VRD Off - 65V

I_{eff}

24.0 Amps

TIG Arc Ignition

Lift Arc

Protection Class

IP21S

Insulation Class

H

Standards

ISO/IEC 60974-1

Size (mm)

340 x 400 x 620

Weight (kg)

24

Overview

The MULTI-250K is the most powerful multifunction single phase system that state of the art technology can provide. Offering multiple welding functions including Pulse MIG, Double Pulse MIG, High Speed MIG, DC TIG, and DC MMA (STICK). User friendly programs with synergic function are provided for all the welding processes making it suitable for even the inexperienced user. The Multi-250K encompasses all facets of the new PLUS CONCEPT technological development. PLUS CONCEPT is an innovative solution that is revolutionising the welding industry. Now, high efficiency welding is possible with Gas Metal Arc Welding, Pulse Arc and standard applications. The forced dynamism of the PLUS CONCEPT achieves an ultra fast transfer droplet rate into the weld pool giving surprising results: It increases significantly the welding speed (up to 45%) and, at the same time, it increases the penetration of the weld. Higher speed, better penetration and less spatter means less energy used during the deposit and reduced deformation during the welding. **Double Pulse** function provides the ability to produce welds with TIG like finish and with excellent control over the weld pool. Ideal for general engineers, boat building, sheet metal workshops, stainless steel fabricators, panel beaters and transport engineering workshops. Designed and built to meet with European norms conformity.

MACHINE PACKAGE: KTRPM250KT

Standard option includes: Multi250, DM26-3M or DM26-4MSure Grip Logic MIG Torch, Earth / Arc Lead 35mm x 4m, UNI-MIG Twin Gauge Argon Regulator, Gas Hose, Trolley



WARRANTY

(Power Source)

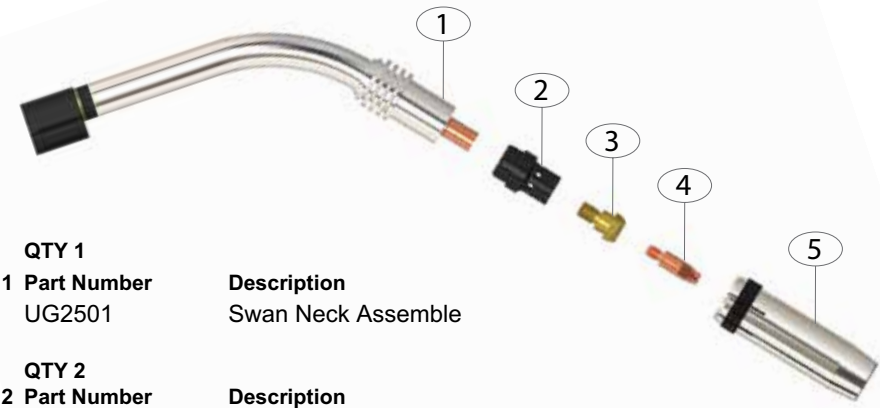
MULTI 250KT - PLUS CONCEPT
DC Multifunction Pulse MIG Welding System
Torch Spare Parts - Machine Options & Accessories



DM260A AIR COOLED MIG WELDING TORCH

Rating: 270A CO2 240A mixed gas, EN60974-7 @ 60% duty cycle. 0.8 to 1.2mm wires

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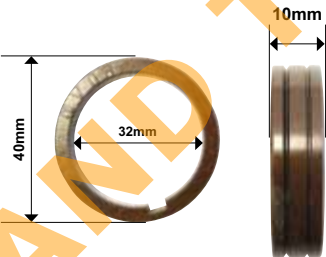
QTY 1	
1 Part Number	Description
UG2501	Swan Neck Assemble
QTY 2	
2 Part Number	Description
PCGD26	Gas Diffuser
QTY 2	
3 Part Number	Description
PCTH26M6S	Contact Tip Holder M6 (Short)

QTY 10	
4 Part Number	Description
PCT0009-06	Contact Tip Steel (0.6mm)
PCT0009-08	Contact Tip Steel (0.8mm)
PCT0009-09	Contact Tip Steel (0.9mm)
PCT0009-10	Contact Tip Steel (1.0mm)
PCT0009-12	Contact Tip Steel (1.2mm)
PCT0009-16	Contact Tip Steel (1.6mm)
PCTAL0009-09	Contact Tip Aluminium (0.9mm)
PCTAL0009-10	Contact Tip Aluminium (1.0mm)
PCTAL0009-12	Contact Tip Aluminium (1.2mm)

QTY 2	
5 Part Number	Description
PGN38CON	Gas Nozzle Conical
PGN38CYL	Gas Nozzle Cylindrical
PGN38TAP	Gas Nozzle Tapped

Torch Model			
Description	Part Number		
	3 Mt	4 Mt	5 Mt
DM26 Digital Suregrip Ergo Torch MIG	DM2600-JDM2-MT1-30ER	DM2600-JDM2-MT1-40ER	DM2600-JDM2-MT1-50ER

Drive Roller x 2
ROLLER DIAMETER: 40/32
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- V Groove Drive Roller - Steel Wire
- Knurled Drive Roller - Flux Core Wire
- U Groove Drive Roller - Soft Wire

Machine Options

Machine Only
KTRPM250K
Machine on Wheels Option



Push Pull
PPLU36-24V-8M
PUSH PULL Torch Option
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TIG Torch
SR-26TR-4MCP50
TIG Torch Option
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