FAB 500HD AIR

BT WELD

PROCESS

- MIG SYNERGIC / MANUAL
- MIG GAS / GASLESS
- DC TIG (SCRATCH START)
- STICK (MMA)
- GOUGING

FEATURES

- 500A Output
- 2T/4T/S4T/Spot Weld
- Suits D200 & D300 Spools
- 4 Roll Wire Drive System
- Separate Wire Feeder
- Tool Storage
- Weld Parameter Storage
- VRD (Voltage Reduction Device)
- 32amp three phase plug installed

Duty Cycle
100% @ 500A

Generator
32 Kva

Plate Thickness
Max. 30mm

Material
- Mild Steel
- Stainless Steel
- Brass / Copper
- Aluminium (MIG only)



5 YEAR LIMITED WARRANTY

SPECIFICATION

Primary Input Power	**3 Phase 415V 50-60 HZ +/-15%**		
Duty Cycle @ 40°C 10min	**100% @ 500A**		
	MIG	TIG	MMA
Effective Current (A)	31.9	25.3	32.3
Rated Input Current (A)	31.9	25.3	32.3
Rated Input Power (KW)	25.2	20.4	25.9
Welding Current Range (A)	30 – 500	10 – 500	10 – 500
Welding Voltage Range (V)	15.5 – 39	10.4 – 30	20.4 – 40
I Max (A)	31.9	25.3	32.3
I eff (A)	31.9	25.3	32.3
Wire Diameter Range	0.6 – 2.4mm		
Electrode Diameter Range	1.6 – 5mm		
Protection / Insulation Class	IP21S / S		
Power Factor / Effiency	0.86 / 90%	0.83 / 86%	0.85 / 88%
Thermal Overload	Yes		
Dimensions	H138 x L95 x W59 cm		
Weight	153 kg		
Warranty	5 Year		
Part Number	**659500**		

UPGRADE
SPX36 SPOOL GUN



UPGRADE
K4 ARC AIR GOUGING TORCH



EN 60974-1:2021 (LVD)
EN 60974-10:2021 (EMC)
2019/125/EC (EER)

PWM Sic

STANDARD PACKAGE INCLUSIONS

BT Weld FAB 500 power source 415V
FAB 500 Trolley
FAB Feed 4-roll wire feeder
FAB 500 Toolbox
Interconnection Cable 2Mt
BZ36 HD MIG Torch 3Mt
Primary Lead with 32A 3phase Plug Fitted 3Mt
Earth lead with Heady duty Brass G clamp 4Mt
0.9/1.2mm V groove drive roller (2pcs) (Fitted)
1.2/1.6mm Knurl drive roller (2pcs) (Spare)
Torch hanger
Argon Twin Gauge Regulator
QR Warranty / Manual Card



UPGRADE OPTIONS & ACCESSORIES

Interconnecting Cable 5Mt	659511
Interconnecting Cable 10Mt	659512
Interconnecting Cable 15Mt	659513
400A electrode Holder lead 5Mt	505050FAB
Earth Lead with Heady Duty Brass G clamp 10Mt	500150FAB
BZ36 HD MIG Torch 4Mt	92.ER.36.4
BZ36 HD MIG Torch 5Mt	92.ER.36.5
Tweco 4 Style MIG Torch Euro 4.5Mt	91.445TWE
SPX36 MIG Spool Gun 9 pin 4Mt	97.SPX36.4.9
SPX36 MIG Spool Gun 9 pin 8Mt	97.SPX36.8.9
K4 Arc Air Gouging Torch 1000 Amp	500091
Water Cooler 7L	659514
Water Cooler Coolant Liquid 5L	600906
BZ501 Water Cooled Mig Torch 3Mt	92.ER.501.3
BZ501 Water Cooled Mig Torch 4Mt	92.ER.501.4
BZ501 Water Cooled Mig Torch 5Mt	92.ER.501.5
0.8/0.9mm V-groove Drive Roller	RV302210.08.09
1.0/1.2mm V-groove Drive Roller	RV302210.10.12
1.2/1.6mm V-groove Drive Roller	RV302210.12.16
0.8/0.9mm Knurled Drive Roller	RK302210.08.09
1.0/1.2mm Knurled Drive Roller	RK302210.10.12
1.2/1.6mm Knurled Drive Roller	RK302210.12.16
0.9/1.2mm U Groove Drive Roller	RU302210.09.12
1.2/1.6mm U Groove Drive Roller	RU302210.12.16

FAB 500HD WATER

BT WELD

PROCESS

- MIG SYNERGIC / MANUAL
- MIG GAS / GASLESS
- DC TIG (SCRATCH START)
- STICK (MMA)
- GOUGING

FEATURES

- 500A Output
- 2T/4T/S4T/Spot Weld
- Suits D200 & D300 Spools
- 4 Roll Wire Drive System
- Separate Wire Feeder
- Tool Storage
- Weld Parameter Storage
- VRD (Voltage Reduction Device)
- 32amp three phase plug installed

Duty Cycle
100% @ 500A

Generator
32 Kva

Plate Thickness
Max. 30mm

Material
- Mild Steel
- Stainless Steel
- Brass / Copper
- Aluminium (MIG only)



5 YEAR LIMITED WARRANTY

SPECIFICATION

Primary Input Power	**3 Phase 415V 50-60 HZ +/-15%**		
Duty Cycle @ 40°C 10min	**100% @ 500A**		
	MIG	TIG	MMA
Effective Current (A)	31.9	25.3	32.3
Rated Input Current (A)	31.9	25.3	32.3
Rated Input Power (KW)	25.2	20.4	25.9
Welding Current Range (A)	30 – 500	10 – 500	10 – 500
Welding Voltage Range (V)	15.5 – 39	10.4 – 30	20.4 – 40
I Max (A)	31.9	25.3	32.3
I eff (A)	31.9	25.3	32.3
Wire Diameter Range	0.6 – 2.4mm		
Electrode Diameter Range	1.6 – 5mm		
Protection / Insulation Class	IP21S / S		
Power Factor / Effiency	0.86 / 90%	0.83 / 86%	0.85 / 88%
Thermal Overload	Yes		
Dimensions	H138 x L95 x W59 cm		
Weight	156 kg		
Warranty	5 Year		
Part Number	**659510**		

UPGRADE
SPX36 SPOOL GUN



UPGRADE
K4 ARC AIR GOUGING TORCH



EN 60974-1:2021 (LVD)
EN 60974-10:2021 (EMC)
2019/125/EC (EER)

PWM Sic

STANDARD PACKAGE INCLUSIONS

BT Weld FAB 500 power source 415V
FAB 500 Trolley
FAB Feed 4-roll wire feeder
FAB Cool 415V 7L Water Cooler
Interconnection Cable 2Mt
BZ501 Water Cooled MIG Torch 3Mt
Primary Lead with 32A 3phase Plug Fitted 3Mt
Earth lead with Heady duty Brass G clamp 4Mt
0.9/1.2mm V groove drive roller (2pcs) (Fitted)
1.2/1.6mm Knurl drive roller (2pcs) (Spare)
Torch hanger
Argon Twin Gauge Regulator
QR Warranty / Manual Card
Water Cooler Coolant Liquid 5L



UPGRADE OPTIONS & ACCESSORIES

Interconnecting Cable 5Mt	659511
Interconnecting Cable 10Mt	659512
Interconnecting Cable 15Mt	659513
400A Electrode Holder lead 5Mt	505050FAB
Earth Lead with Heady Duty Brass G clamp 10Mt	500150FAB
BZ501 Water Cooled MIG Torch 4Mt	92.ER.501.4
BZ501 Water Cooled MIG Torch 5Mt	92.ER.501.5
BZ36 HD MIG Torch 3mt	92.ER.36.3
BZ36 HD MIG Torch 4mt	92.ER.36.4
BZ36 HD MIG Torch 5mt	92.ER.36.5
Tweco 4 Style MIG Torch Euro 4.5Mt	91.445TWE
SPX36 MIG Spool Gun 9 pin 4Mt	97.SPX36.4.9
SPX36 MIG Spool Gun 9 pin 8Mt	97.SPX36.8.9
K4 Arc Air Gouging Torch 1000 Amp	500091
0.8/0.9mm V-groove Drive Roller	RV302210.08.09
1.0/1.2mm V-groove Drive Roller	RV302210.10.12
1.2/1.6mm V-groove Drive Roller	RV302210.12.16
0.8/0.9mm Knurled Drive Roller	RK302210.08.09
1.0/1.2mm Knurled Drive Roller	RK302210.10.12
1.2/1.6mm Knurled Drive Roller	RK302210.12.16
0.9/1.2mm U Groove Drive Roller	RU302210.09.12
1.2/1.6mm U Groove Drive Roller	RU302210.12.16