



## 4 IN 1

MULTI-PROCESS WELDER

**MST200X4**  
Inverter Welder

- Plug size **10 Amp**
- Duty cycle **10% @ 200Amps**
- Generator **8kVA**
- Material
  - Mild Steel
  - Brass
  - Stainless
  - Copper
  - Aluminium (MIG & AC TIG ONLY)
- Plate Thickness **Maximum 10mm**



### OVERVIEW

The Bossweld MST 200 X4 is a 4-in-1 multi-process, inverter welder that provides opportunity to MIG, AC/DC Stick and TIG weld from the same machine.

Heavy duty and designed for industrial use, weighing only 19kg and featuring a large 5" (127mm) colour LCD screen with simple to navigate settings. This machine is perfect for professional contractor.

- ✓ **MIG Synergic**
- ✓ **MIG Manual**
- ✓ **MIG Gas/Gasless**
- ✓ **Stick**
- ✓ **TIG AC/DC Pulse**
- ✓ **TIG DC Pulse**



## KEY FEATURES

- 4-in-1 processes
- Fitted 10 Amp plug
- 5" colour LCD screen
- Suits D100/D200 spools
- Weighs 19kg
- Generator Friendly
- 2T/4T Trigger Latching
- Weld Parameter Storage

## MIG FUNCTIONS

- MIG Synergic
- MIG Manual
- MIG Gas/Gasless
- Spool Gun Ready
- Burn Back Adjustment
- Pre & Post Gas Adjustment
- Pre-Weld Slow Wire Feed
- Electronic Inductance Control

## STICK FUNCTIONS

- Hot Start
- Arc Force Adjustment

## TIG FUNCTIONS

- TIG AC/DC Pulse
- TIG DC Pulse
- Arc Waveform Control
- High Frequency Arc Start
- Lift Arc Ignition
- Pre & Post Gas Adjustment
- Up & Down Slope Adjustment
- Peak & Base Current Adjustment
- Full Weld Cycle Adjustment



# MST200X4

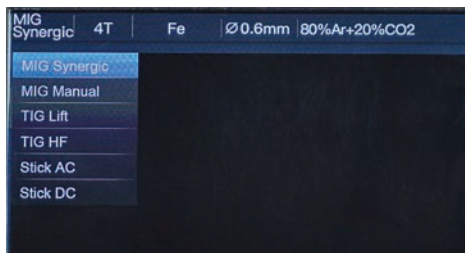
Inverter Welder

## MIG - STICK - TIG DC - TIG AC/DC

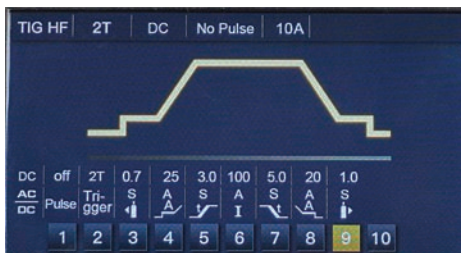
### CONTROL PANEL

- 1. Welding mode button:** MIG Synergic, MIG Manual, TIG Lift, TIG HF, Stick DC, Stick AC welding mode.
- 2. Trigger mode button:** Direct select 2T or 4T trigger mode.
- 3. Job program:** Press for 3s to open JOB program and press for 1s to save parameters into JOB number.
- 4. Synergic system button:** Press to select wire material, wire diameter and type of gas.
- 5. Gas check button:** Manually purge to gas lines
- 6. Manual wire feed button.**
- 7. L parameter knob:** Press to select parameters and turn to adjust values, such as welding current. In function interface, turn to select parameters.
- 8. Function button:** Press to select parameters or enter the function interface.
- 9. R parameter knob:** Press to select parameters and turn to adjust values.

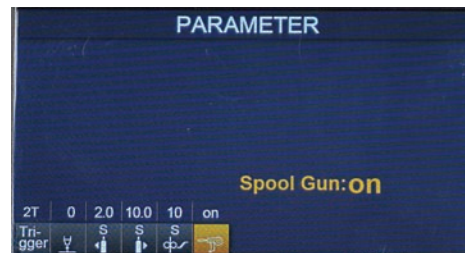




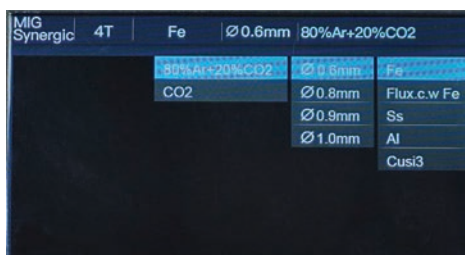
Easily switch from one process to the next



Save up to 10 welding parameters per process

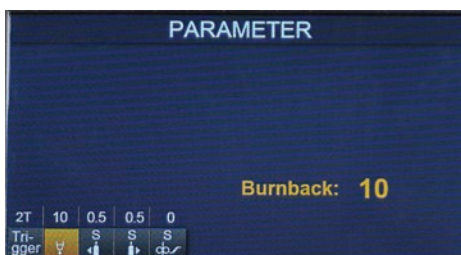


Pool gun setting in MIG manual



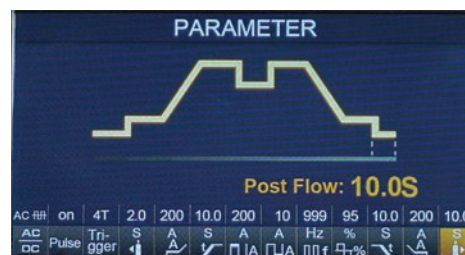
MIG Synergic control takes the guesswork out of your settings

<b>Fe</b>	Ø 0.6 / 0.8 / 0.9 / 1.0mm	80%Ar+20%CO2 CO2
<b>Flux.c.w Fe</b>	Ø 0.8 / 0.9 / 1.0mm	CO2
<b>Ss</b>	Ø 0.8 / 0.9 / 1.0mm	98%Ar+2%CO2
<b>Al</b>	Ø 0.8 / 0.9 / 1.0mm	Ar 100%
<b>Cusi3</b>	Ø 0.8 / 0.9 / 1.0mm	Ar 100%



Adjustable burnback control in MIG

- 1 **Trigger** 2T or 4T
- 2 **Burnback** 0 - 10
- 3 **Pre-Flow** 0.0s - 2.0s
- 4 **Post Flow** 0.1s - 10s
- 5 **Slow Feed** 0 - 10

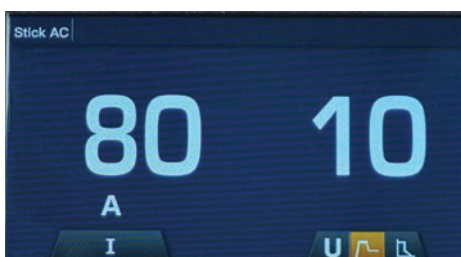


Wide range of TIG adjustability

- 1 **AC/DC** AC: Sine, Square & Triangle DC
- 2 **Pulse Weld** On or off (TIG HF: Spot)
- 3 **Trigger** 2T or 4T
- 4 **Pre-Flow** 0.0s - 2.0s
- 5 **Pre Current** 10A - 200A
- 6 **Up Slope** 0.0s - 10.0s
- 7 **Peak Current** 10A - 200A
- 8 **Base Current** 10A - 200A
- 9 **Pulse Frequency** 0.5Hz - 999Hz
- 10 **Duty Cycle** 5% - 95%
- 11 **Down Slope** 0s - 10s
- 12 **Post Current** 10A - 200A
- 13 **Post Flow** 0.1s - 10s

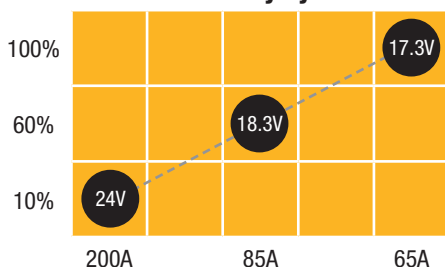


Inductance adjustment in MIG

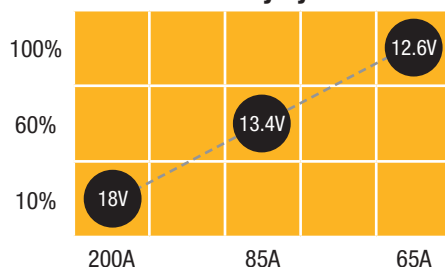


Hot start and arc force adjustments in MMA

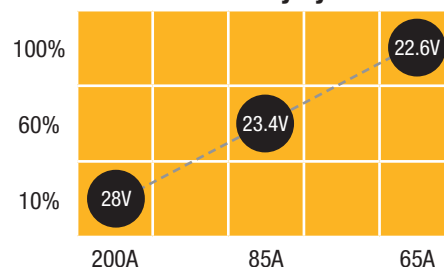
### MIG Duty Cycle



### TIG Duty Cycle



### STICK Duty Cycle



## SPECIFICATIONS

Primary Input power	Duty Cycle @ 40°C	Open Circuit Voltage	Output Current Range	I Max	I eff	Protection /Insulation Class	Tungsten Diameter Range	Thermal Overload	Minimum KVA	Dimensions /Weight
Single Phase 230V 50-60 HZ +/-10%	10% @ 200A 60% @ 85A 100% @ 65A	MIG 72V TIG 67V	MIG DC 30A/15.5V~200A/24V TIG AC/DC 10A/10.4V~200A/18V MMA AC/DC 10/20.4V~200A/28V	MIG DC 26.9A TIG AC 22.3A TIG DC 22.0A MMA AC 28.3A MMA DC 31.6A	MIG DC 8.5A TIG AC 7.1A TIG DC 7.0A MMA AC 8.9A MMA DC 10A	IP21 / S	1.0mm to 3.2mm	Yes	8.0	58x39x22cm / 19kg



## STANDARD INCLUSIONS

1. Bossweld MST 200 X4 AC/DC Multi Process Inverter Welder
2. 3 metre BZ 24 Series MIG Torch
3. 4 metre 17 Series TIG Torch
4. Welding cable with electrode holder
5. Earth cable with earth clamp
6. Quick connect gas hose
7. Argon dual stage twin gauge regulator
8. Spanner
9. 0.8/0.9mm V groove drive rollers (Fitted)  
0.8/0.9mm Knurled drive roller (Spare)
10. Operating manual

## MACHINE PACKAGE

P/N: 699104



2



3



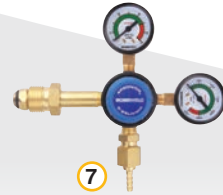
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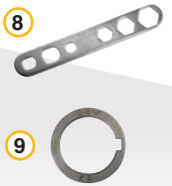
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6



7



8



9



A



B



C



D



E



G

## UPGRADE OPTIONS & ACCESSORIES

A. Bossweld 4mt spool gun SPX15 9 pin Plug	P/N: 97.SPX15.4.9
A. Bossweld 8mt spool gun SPX15 9 pin Plug	P/N: 97.SPX15.8.9
A. Bossweld 4mt spool gun SPX24 9 pin Plug	P/N: 97.SPX24.4.9
A. Bossweld 8mt spool gun SPX24 9 pin Plug	P/N: 97.SPX24.8.9
B. 26F Series TIG Torch with Current control 4mt	P/N: 95.26F.4.1.CC9A
B. 26F Series TIG Torch with Current control 8mt	P/N: 95.26F.8.1.CC9A
C. Bossweld Arc lead set 3mts	P/N: 503325
C. Bossweld Arc lead set 4mts	P/N: 504425
D. Bossweld Universal Welders Trolley	P/N: 600311
E. Bossweld Foot controller 3mt, AC/DC TIG	P/N: 660201
F. Bossweld 9-12 Plug adaptor	P/N: 95.PA0912
G. Argon Dual Stage Regulator (side entry)	P/N: 400209



### Welding Consumables:

- Electrodes
- MIG Wires
- TIG & Gas Rods

See our full range at

[bossweld.com.au](http://bossweld.com.au)

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