

# Technical Data Sheet

## Portable Welding Automation

### WA Machines Sugar Mill Kit - Standard



#### DESCRIPTION

The Sugar Mill Kit is a cost-effective welding and arcing machine designed especially for the rolls used in the sugar cane industry. The machine can be used for in-situ repair work and also in workshops. Used to produce arcing, picote/teardrop, side cladding, build up and trash plate welding

#### FEATURES

- Tool-less onsite assembly
- 5 different welding applications
- Pendant control system with 4" screen
- Twin wire feed system

#### INDUSTRIES

Sugar

<u>SPECIFICATION</u> (Main Components)	<u>X Beam</u>	<u>Y Beam</u>	<u>Control cables</u>	<u>Carriage</u>	<u>Wire feeder</u>	<u>Pendant</u>	<u>Control box</u>	<u>Torch</u>
Component weight	21kg	5kg	6kg	10kg	6kg	1.5kg	15kg	2.5kg
Component length	3m	0.5m	12m					
No. per standard kit	1	1	6	1	1	1	1	1

#### TRAVEL

Motorised X<sup>1</sup> Axis  
 Motorised Y Axis

#### Standard kit

1mm - 2600mm  
 1mm - 100mm

#### WIREFEED SPEEDS

1.0 - 20.0m/min

#### WIRE SIZES

2.0mm

#### WELDING PROCESSES AVAILABLE FOR THIS MACHINE

FCAW-S

#### CONTROL SYSTEM

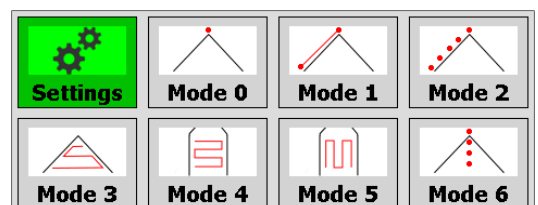
D3 Pendant

#### Incorporating:

Pendant with 4" color screen. Aluminum panel, switch knob (for navigation menu and parameters setting), toggles switches (for manual motion on X axis, Y axis and wirefeed), emergency stop button and start/stop button



Seven program modes available via visual representation on the pendant screen



**Accessories included in the standard package**

**WIRE FEED HOSE (x2)**



Wirefeed hose – 4.5m

**FLOOR MOUNTED COIL HOLDER (x2)**



Floor mounted coil holder with plastic cover

**OFFSET GUN (x2)**



Offset Gun – to fix two welding guns at the same time and adjust the position manually on the roll

**STRAIGHT GUN (x2)**



Straight gun – 600A at 100% of duty cycle

**22.5° BENT GUN (x2)**



22.5° Bent gun – 600A at 100% of duty cycle

**45° BENT GUN (x2)**



45° Bent gun – 600A at 100% of duty cycle

**200mm EXTENSIONS (x2)**



200mm Extension – 600A at 100% of duty cycle

**300mm EXTENSIONS (x2)**



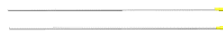
300mm Extension – 600A at 100% of duty cycle

**SET OF 2.0mm FEED GEARS (x2)**



Set of 2.0mm wirefeed

**GUN LINER (x2)**



Gun Liner – runs inside the Y-axis beam to guide and protect the wire

**CONTACT TIP ADAPTOR (x2)**



Contact tip adapter

**2.0mm CONTACT TIP (x2)**



2.0mm contact tip

**ADDITIONAL OPTIONS**

**BigBox Packing Case**



Welding kit packing case, BigBox - 1200 long x 1000 wide x 790mm deep, 50.0kg weight

**Steel Packing Case**



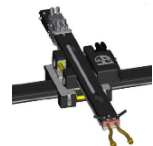
Welding kit packing case, steel - 1240 long x 840 wide x 900mm deep, 85kg

**Wheeled Packing Case**



Welding kit packing case, on wheels, with designed compartments inside - 2100 long x 850 wide x 450mm deep, 56.5kg weight

**1.0m Y - Axis Beam**



1.0m Y-axis beam, allowing 0.6m travel on Y axis. This option, if taken, will replace the 0.5m Y-axis beam.