

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 X¹ 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

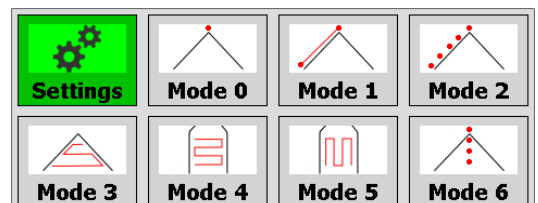
D3 Pendant

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)



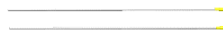
300mm Extension – 600A at 100% of duty cycle

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



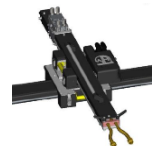
Welding kit packing case, steel - 1240 long x 840 wide x 900mm deep, 85kg

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.