

MAVRIX

Welding Automation Inc.

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COAL PULVERIZER TABLE REBUILD SYSTEM



CE MODEL 1003 SHOWN ABOVE

- Automatically rebuilds pulverizer table in place
- Decreased down time. Dual torch system shown will deposit up to 50 lbs. of weld metal per hour
- Operators are remote from welding arc assuring safety and production
- Designed for quick and easy setup
- System can be sold as a double torch (as shown) or a single
- Unit can be configured to weld curved bowl table typical of MPS design



4x4x10 inch
Operator's Pendant

FOR MORE INFORMATION, PLEASE CALL, WRITE or EMAIL

MAVRIX AUTOMATIC WELDING

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PULVERIZER TABLE REBUILD SYSTEM COMPONENTS

1. TWO WELD ARM MANIPULATORS – (single arm available)

The weld arms will be 1 ½" \diamond tubular steel sections with rack and pinion drive. A telescoping tube will be fitted inside the working end of the 1 ½" \diamond tube to increase the working length.

2. SUPPORT SYSTEM –

A lightweight aluminum beam, 3" x 6" x the width of the opened pulverizer door, will be provided to support the weld arm manipulators described above. The beam is easily mounted to the face of the opened pulverizer and has two (2) adjustable saddles which accept the tubular mounting posts on the manipulator carriage.

3. GROUNDING DEVICE –

A 1500 AMP rotary ground device will be included and installed by the customer to the table center.

4. WIRE FEED ASSEMBLIES (TWO) –

Our heavy duty PA-10 Wire Feeder will be included along with Auto-Pak weld wire payoff turntables.

5. OPERATING CONTROL – Two identical operating controls will be supplied, one for each manipulator. A picture of the operator control pendant is included on the opposite side. A source of 120 VAC, 60 HZ with 10 AMP will be required to power the system.

6. STEP-OVER SWITCH – This switch is used to signal the weld arm carriage motors to step after each revolution of the table.

7. TABLE TURNING DEVICE – A gearmotor with sprockets and chain will be included.

8. WELD POWER SUPPLIES AND CABLING – Can be supplied

9. TORCH ADJUSTORS – A torch adjustor will provide \pm 5 inches up and down motion.

OPTIONAL The units can be modified with an extra motor and gearbox to weld rebuild curved bowls like the typical MPS designs shown below.



Mavrix recommends the use of Stoody wire consumables such as 100HD or CP2000 for overlaying rolls and tables. For additional information on these wires and their application, please visit www.stoody.com.

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