HABCO ZUCKER ROLL ARCING SYSTEM

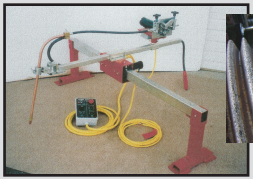
The Habco Light-Weight Zucker Roll Arcing System is designed to provide dash/dot deposits on the sugar rolls, either on the shop lathe or directly over the roll while in the crushing process using HABCO ZUCKER 60 PLUS-O which was exclusively developed for use with the system.

OVERVIEW

This machine will hardface weld the dot/dash method at high surface speeds for tooth re-building using the HABCO ZUCKER 60 PLUS-O open arc wire.

Controls include hand held operator switch pendant and MC box. Includes all control connection cables and remote proximity switch assembly.

The unit is packaged in a specially built shipping crate that is to be utilized as a storage container when the machine is not in use. Storage box includes a hinged top lid and storage compartment door with false bottom section for smaller parts.



COMPONENTS DESCRIPTION

1) TRAVEL BEAM - A ten (10') ft. long rectangular steel tube is used to support the travel carriage. A gear rack is affixed to the beam and the entire assembly is galvanized. Two end connectors are also included. The customer will have to make a set of support legs to fit his application.

2) TRAVEL CARRIAGE - A twelve (12") inch long steel carriage with bearing assemblies supports the wire feed system and weld arm. A variable speed motor drives the assembly through a rack and pinion drive.

3) WELD ARM - A four (4') foot long x 1 1/2" square tube with an adjustable nozzle holder is supplied.

4) WIRE FEEDER - A heavy duty 4-drive roll unit is included. The feeder mounts off the weld arm.

5) TORCH ASSEMBLY - 600 amp torch for open arc wire; Heavy-duty contact tip and tip nut; 5" buss bar assembly w/ swivel bracket; Torch mount swivel arm x 18" can be quickly tilted left or right

6) CONTROL SYSTEM 110 VAC (50/60 HERTZ) - (Hand Held Pendant)

A special compact control has been designed for this application. The operating controls are located within the pendant control. The unit requires a consistent source of 120 VAC power.