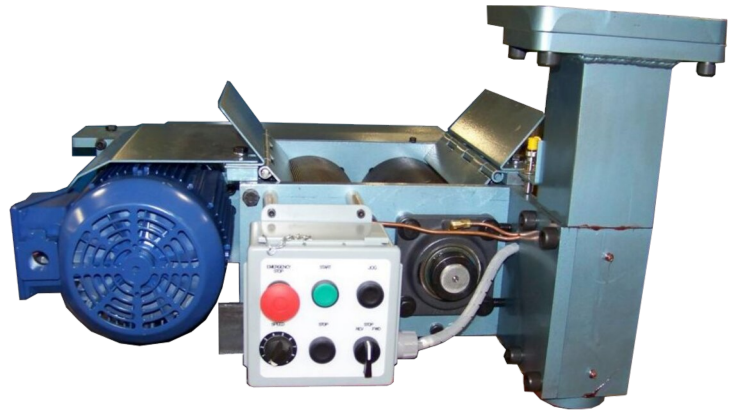


MAC Paste Prep System

To reduce paste nugget size before pasting for high quality paste, choose the MAC Paste Prep System.

- ◆ Eliminates large paste nuggets that can tear the continuous strip or damage grids.
- ◆ Designed to mount universally between your mixer and paster.
- ◆ Increase line up-time by preventing paste quality stoppages.



The **MAC Paste Prep System** mounts between the paste mixing cone and the paster hopper to crush larger oxide nuggets to around 0.5 mm (.020 inches) to help prevent line stoppages which occur when large oxide nuggets try to pass through the hopper and cause continuous strip or grids to tear or jam under the hopper. The system consists of a box frame, two hardened steel rolls and a drive to power the rolls.

PASTE PREP SYSTEM TECHNICAL DESCRIPTION:

Paste preparation starts with the paste dropping from the mixing cone into the MAC Paste Prep System. The paste passes between two counter-rotating rolls which crush nuggets that are around 2 mm (.080 inches) thick or thicker, depending what gap is set, as they pass between the rolls. The processed paste is scraped off the rolls and drops into the paster hopper.

The process makes the paste creamier with a smoother surface on the plates as they leave the hopper.

The maximum amount of paste the MAC Paste Prep System can process is dependent on the gap between the rolls and the maximum speed the rolls can run without losing the adherence between the paste and the rolls. The speed is controlled by means of a variable dial. All control buttons are mounted on the main unit; the control components are located in a separate electrical cabinet.

The amounts of standard automotive paste that can be processed with varying gaps between the rolls are:

- .889 mm (.035 inch) gap = 13,618 cu cm/min (831 cu in/min)
- 1.397 mm (.055 inch) gap = 21,402 cu cm/min (1306 cu in/min)
- 1.005 mm (.075 inch) gap = 29,185 cu cm/min (1781 cu in/min)

The MAC Paste Prep System mounts to the base of the cone feeder which mounts on a pivot so it can be rotated out from over the hopper for accessing the hopper, rotating the hopper up and for clean-up.

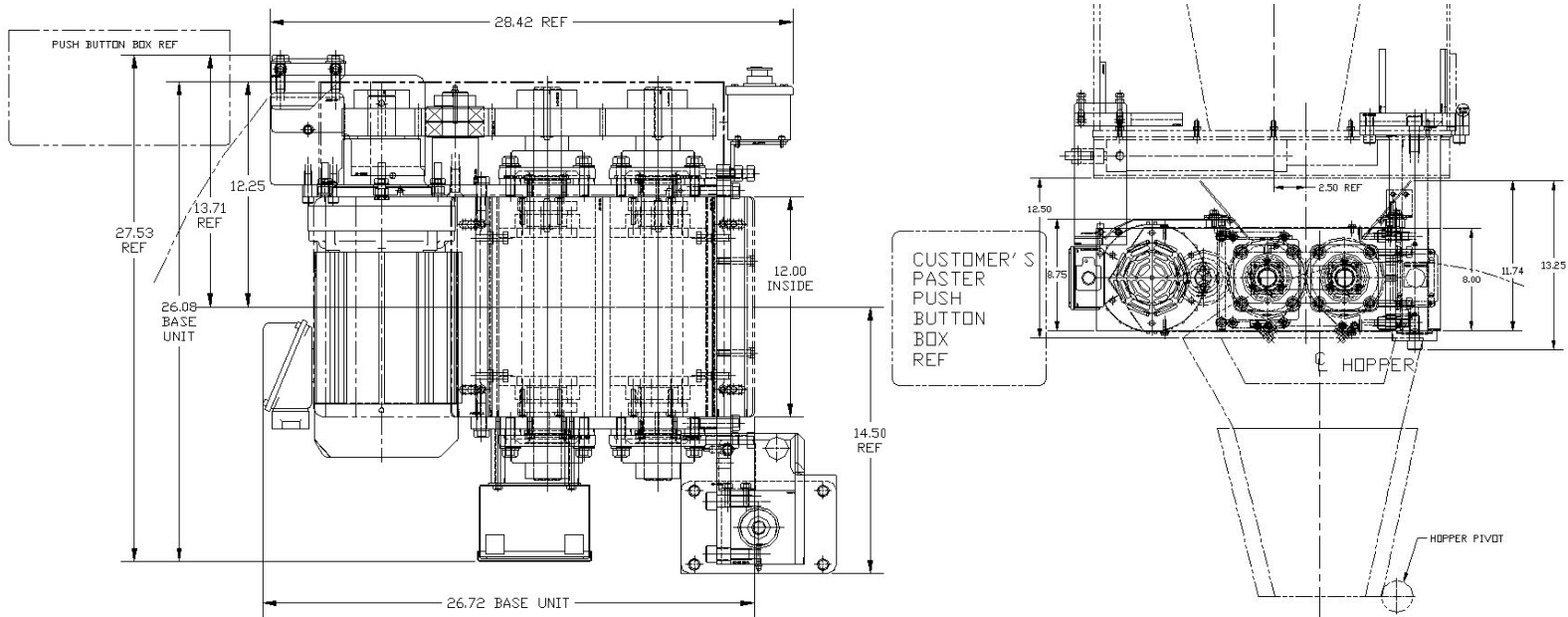
The mounting brackets are custom designed and require dimensions of the lower section of the cone feeder and top of the hopper.

Minimum vertical space between the top of the hopper and bottom of the lowest item on the cone feeder is 276 mm (10.88 inches), although 317 mm (12.50 inches) is recommended. The top of the hopper may possibly be modified to get proper clearance.



MAC Paste Prep System

TECHNICAL SPECIFICATIONS



Required User Data:

Specify electrical requirements. Provide pictures and a sketch/drawing with dimensions of the hopper/cone feeder from all 4 sides to determine if the system will fit.

Production Cycle Rate: Continuous

Operation Personnel Required: None

Machine Requirements:

Standard Electrical: 480V, 3-phase, 60Hz, 8 KVA (other electrics available).

Tolerance: +20% of nominal voltage.

Control Voltage: 24 volt D.C.

Motor: 5 hp gearmotor

Ambient Operating Temperature: 0°-45°C (32-113°F).

Ventilation: Adequate ventilation is

required to insure that any lead particles will not be released to the environment.

Safety Features:

Metal protection guards. Warning and caution labels are located on the equipment.

Installation Location Requirements:

Each system may require special mounting due to the paste mixer and paster that it will mount between. This is done with custom designed catch/pivot brackets will mount the system equipment onto the mixer. See the main assembly drawing and installation instructions for each specific system for proper location and installation

Electrical Controls:

All electrical controls, with the exception of the Paste Prep System operator

controls, are installed in the main control panel. The main electrical panel box should be located within 30 m (100 ft.) of the pasting machine but not within the zone where it could get wet when cleaning the paster.

Approximate Shipment Specifications:

Length:	762 mm (30 inches)
Width:	712 mm (28 inches)
Height:	508 mm (20 inches)
Weight:	396 kg (872 pounds)

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