



industroMAC *Paster*

Paste industrial, traction, or submarine plates

- ◆ **Fast**
- ◆ **Accurate**
- ◆ **Economical**
- ◆ **Durable**
- ◆ **Modern**

The industroMAC Paster is available with a 457 mm (18 inch), 559 mm (22 inch), 610mm (24 inch) or 629 mm (24.75 inch) base width paste-dispensing hopper. (Model number is hopper size in inches). The industroMAC Paster pastes so well it easily handles antimony or non-antimony grids, even submarine-type grids.

FAST - Speeds of up to 10668 mm (420 inches) of pasting belt per minute.

Production rate is variable from 4572 mm (180 inches) to 10668 mm (420 inches) of belt per minute for the industroMAC 457mm (18 inch) model and 2794 mm (110 inches) to 7620 mm (300 inches) for the 559mm (22 inch) and 610mm (24 inch) model. Separate hopper and pasting belt motor and drive are manually variable. The industroMAC paster is designed to minimize jams and downtime, so maximum rates can be maintained through more of the production shift.

ACCURATE - Flat plates, consistent thickness and weight.

The durable steel trowel roller rolls and squeezes paste into panels instead of spreading or scraping. Thickness settings of 2 to 8 mm (.080 to .313 inch) are consistent. A case hardened steel bed plate beneath the hopper supports panels while steel plate masking shoes keep paste on the wire area, not the lugs and outer borders.

ECONOMICAL - One operator can produce precise plates with little downtime or scrap.

Line changes take only minutes; paste-masking shoes can be changed in 10 minutes. Should an internal problem occur, the paste hopper hinges in material flow direction. You can lift the hopper and lower it without altering or adjusting the established paste thickness settings. A hopper safety latch is standard.

DURABLE - Built to last through years of heavy use.

Heavy structural steel framing, heavy-gauge welded bracing – we build the industroMAC Paster to last! To help it last, many tough to reach grease fittings are grouped on manifolds to encourage complete lubrication of all bearings. Cleanup is easier too because splashguards shield paste away from inaccessible areas.

MODERN - Improve production flexibility.

An optional semi-automatic horizontal grid shuttle feeding mechanism is convertible for hand feeding larger grids.

A portable semi-automatic hanging-type MAC grid feeder option will handle grids with slightly bent or twisted lugs and borders. It is removable for hand feeding of larger odd sized plates.

An optional 2.75 meter (9 foot) long take-off conveyor accepts pasted plates in a horizontal position on four spaced conveyor chains.

Even, accurate, pasting.

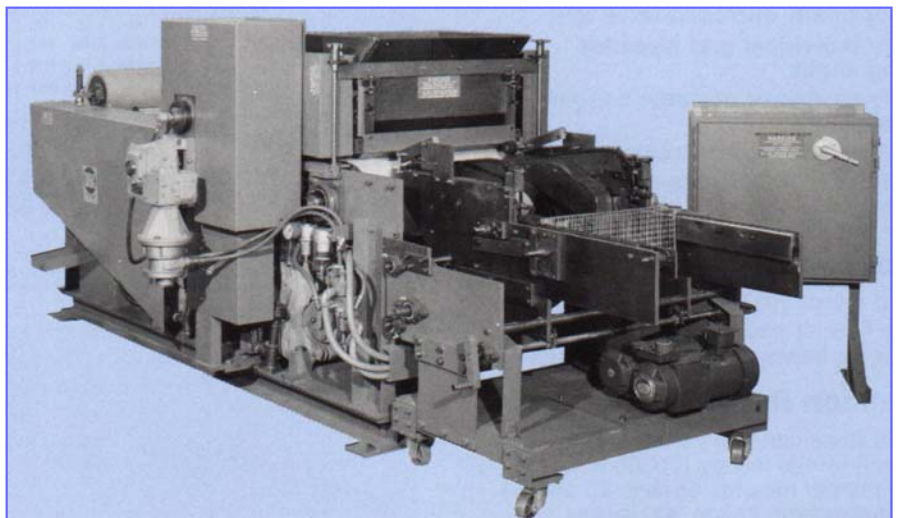
Grid feed roller helps drive grids under the hopper. Steel pasting shoes mask off pasting area and wear for years. The paste roller delivers paste to completely fill each grid. The trowel-roller stays level side to side and smoothes grids as they exit the hopper.

Hopper raises and lowers without losing pasting setting.

Hopper raises in line with the belt, using an air motor, gear reduction drive. Pasting setting is not changed by raising the hopper. Three paddles feed paste into the hopper. One open and two solid paddles supply paste to the pasting roller.

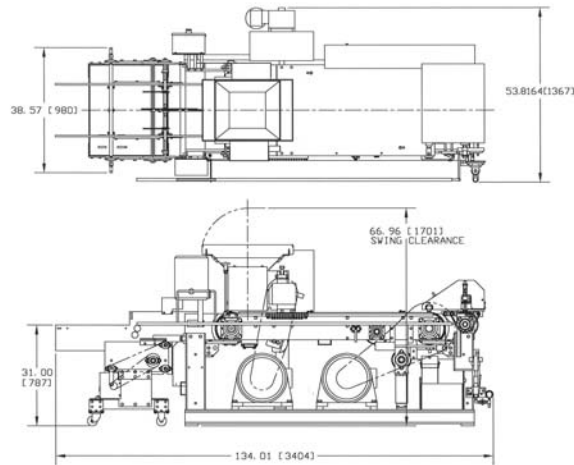
Squeeze rollers help dry belt.

An adjustable hydraulic jack (with pressure gauge) supplies even pressure across the squeeze roller, reducing moisture from the pasting belt. The pasting belt releases plates better, and lasts longer, too.



industroMAC Paster

TECHNICAL SPECIFICATIONS



Required User Data:

- Specify 457, 559, 610, or 629 mm (18, 22, 24, or 24.75 inch) base width hopper
- Specify right or left hand operator control location (when facing the feeder end of paster)
- Specify electrical requirement
- Specify individual grid sizes for pasting shoes
- Specify shuttle or portable hanging grid feeder

Foundation:

Standard 102 mm (4 inch) thick reinforced concrete floor or pad. Holes for lag bolting to floor are provided.

Production Rate:

Model 18 rates variable from 4572 mm (180 inches) to 10668 mm (420 inches) of pasting belt per minute. Models 22 and 24 rates variable from 2794 to 7620 mm (110 to 300 inches) of pasting belts per minute.

OPERATION REQUIREMENTS

Personnel: One, semi-skilled

Typical Electrical Consumption: 12 kVA
(at rated capacity)

Water: Cleaning only

Compressed Air: Max. 7.03 Kg/cm² /100 psig
(clean, dry) <For hopper raising> 5.62 Kg/mm² /Min. 80 psig

Standard Electrical: 230/380/460V, 3-phase, 50/60 Hz.

Electric Motors: One 1800 @ 60 Hz., 184 T-frame totally enclosed 5 HP, one 1800 @ 60 Hz, 215 T-frame totally enclosed 10 HP—one 1/4 HP for hanging feeder or one 1/2 HP for shuttle feeder

Hydraulics: None

Ventilation : Mechanical function of machine does not rely on ventilation

Production Capabilities:

	Hand Feed		Shuttle Feed		Hanging Feed	
	MIN (mm/inches)	MAX (mm/inches)	MIN (mm/inches)	MAX (mm/inches)	MIN (mm/inches)	MAX (mm/inches)
IndustroMAC 18						
Plate Width	102/4	457/18	143/5.625	3302/13	143/5.625	254/10
Plate Length	102/4	1016/40	254/10	457/18	178/7	457/18
IndustroMAC 22						
Plate Width	102/4	559/22	143/5.625	3302/13	143/5.625	254/10
Plate Length	102/4	1016/40	254/10	559/22	178/7	559/22
IndustroMAC 24*						
Plate Width	102/4	610/24	143/5.625	3302/13	143/5.625	254/10
Plate Length	102/4	1016/40	254/10	610/24	178/7	610/24
Plate Thickness (ALL)	MIN. 2/.080				MAX 8/.313	

NOTE: * Machine is also available with 24.75 inch (628 mm) hopper

Estimated Shipping Weights and Dimensions: industroMAC 18 - 2524 kg (5565 lbs) 2769x1600x1575 mm (109x63x62)
industroMAC 22 - 2613 kg (5760 lbs) 2769x1702x1575 mm (109x67x62)
industroMAC 24 - 2734 kg (6027 lbs) 2769x1753x1575 mm (109x69x62)



Helping to make the best batteries...yours.

MAC Engineering and Equipment Company, Inc.

2775 Meadowbrook Road, Benton Harbor, Michigan 49022, U.S.A.

Telephone: (269) 925-3295 or 1-800-756-8608 Fax: (269) 925-3305

e-mail: maceng@mac-eng.com

For a preview of our equipment visit: www.mac-eng.com