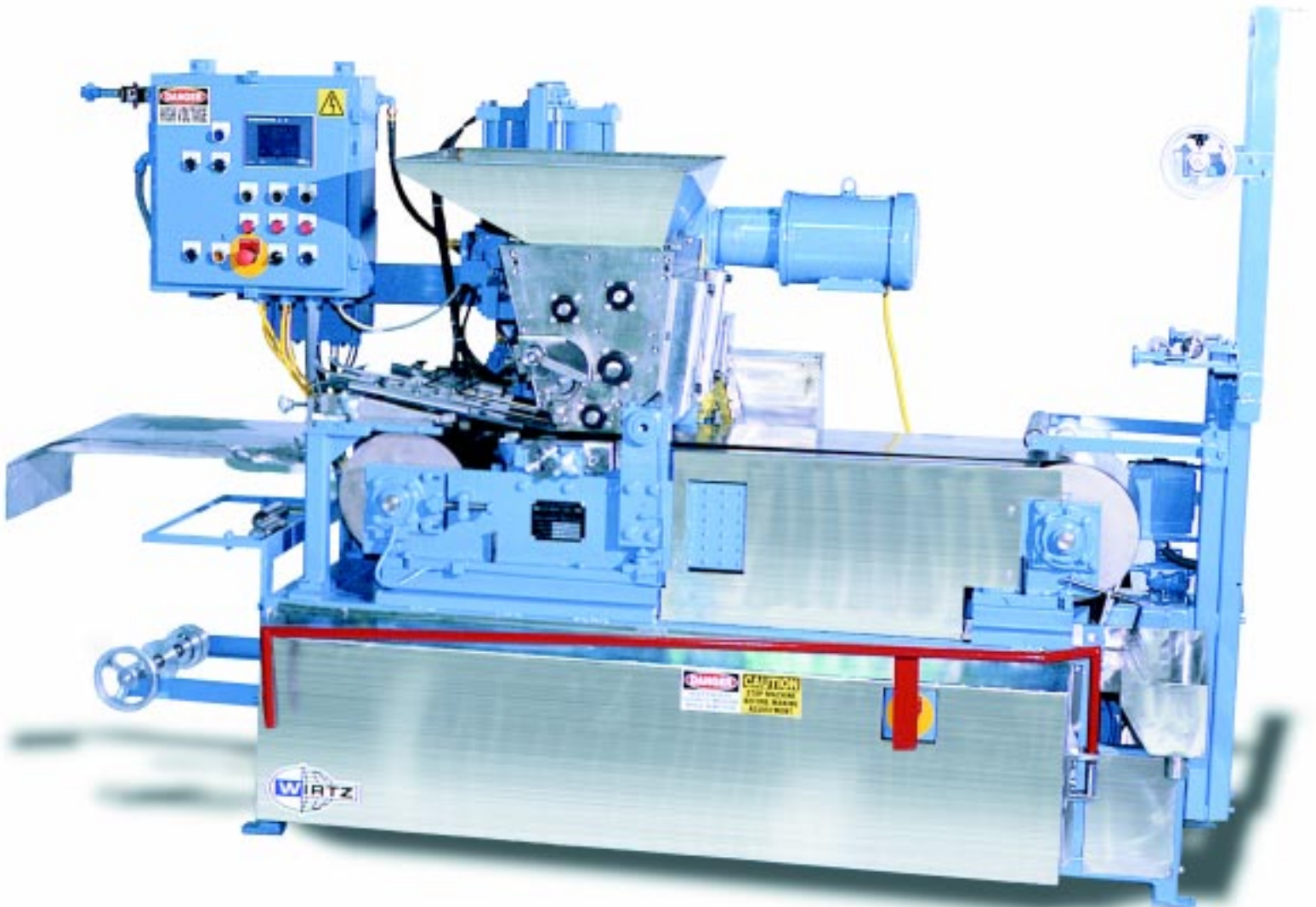




STEEL BELT PASTING MACHINE MODEL SBP-13-200

THE WIRTZ MODEL SBP-13-200 STEEL BELT PASTER IS A RUGGEDLY BUILT MACHINE DESIGNED SPECIFICALLY TO OPERATE AT SPEEDS UP TO 200 FT./MINUTE WITH ACCURATE CONTROL OF PASTED PLATE WEIGHT AND THICKNESS.

The machine is configured to run continuous cast grid strip, single or double panel. It is also available for pasting expanded metal grid strip (Customer to specify). The internal hopper roller design allows adjustment to crush oxide particles or lumps in the paste. Hopper design requires changeover of the upper orifice plate for a change in pasted plate heights. Variable speed drive for the hopper to provide controlled paste feed. Includes paper roller system. Stainless steel belt with precision roller support to ensure pasted plate thickness.



THE WIRTZ MODEL SBP-13-200

General Specifications

- Pasting tolerance of plus or minus 2 grams.
- Plate thickness of plus or minus 0.002" (0.54mm).
- Increased plate and battery performance.
- Increased productivity, machine speeds up to 200 feet per minute.
- Cleans up environmental problems.
- PLC Control with operator interface.
- No cloth pasting belts.
- No shovel back of paste into the hopper.
- Every plate consistent in size, reduces production problems.
- Plate thickness can be adjusted while paster is operating +/- 0.015" (0.38mm) from nominal thickness setting.
- Change over time for grid/plate height 15 minutes.

Production

75 to 200 FPM (22.86 to 60.96 meters / minute).

Grid Size Range Capability

Overall length, over panel frames: 4.0" to 12.0"
(101.6mm to 304.8mm)
Maximum overall length: 14.0" (355.6mm)
Grid strip thickness range: 0.010" to 0.100"
(0.25mm to 2.54mm)

Pasting Range

0.006" to 0.040" above nominal grid strip thickness (0.15mm to 1.0mm).

Pasting Tolerances

Weight: Nominal plus or minus 2 grams(0.0044lb)
Thickness: Nominal plus or minus 0.002" (0.054mm)

Required Paste Parameters

Moisture: 10 to 14 %
Density: 62 to 74 grams / cubic inch
Cube Wt: (3.78 to 4.51 grams / cu cm)
Penetration: 20 to 30 (Global penetrometer #1)
Fiber Additives: Maximum length 0.06"
(1.52mm) of "non-balling" type fiber

Typical Machine up Time

90%+ of disposable time per shift.

Tooling Changeover Time

Change in grid/plate height: 15 minutes

Change in grid/plate thickness:
0 minutes for change of +/- .030" (0.76mm) from nominal thickness setting. 10 minutes for change greater than +/- 0.030" (0.76mm) from nominal setting.

Physical Dimensions

Paste Machine

Overall Length: 123.25" (3131mm)
Overall Width: 33.7" (856mm)
Height, floor to top of hopper in down position: 60.69" (1542mm)
Floor to top of hopper in up position: 71.50" (1816mm)
Floor to top of belt: 36.38" (924mm)
Floor space: 17.5 sq. ft. (1.63 sq. meters)

Utility Requirements

Electrical

Power Input: 460v, 60hz, 3-phase standard
200v - 575v, 50hz or 60hz, 3-phase available on request

Approximate power consumption: 20 KVA.

All wiring conforms to NFPA. Build to special or IEC (CE) codes available.

Compressed Air

Supply pressure to be 65 to 85 PSI (4.48 to 5.86 bars) Air consumption is approximately 1 cubic foot per hour (for intermittent hopper tilt and hopper latch cylinder operation)

Process Water

Supply pressure to be 20 to 50 PSI (1.38 to 3.45 Bars)
Maximum consumption rate during machine operation is 6 GPH, for metal belt and roller cleaners (22.7 liters/hour). A solenoid valve limits water spray application to periods of machine operation only.

Requires clean water source with minimum mineral solids content connected to 1/2 inch NPT inlet cartridge filter.

Note:

- 1) Drainage required at Paster for process water and machine wash-down water.
- 2) Daily machine wash-down is recommended using high-pressure water. (900 - 1200 PSI or 62 to 82 Bars, at about 2 gallons or 7.57 liters / minute rate)

Ventilation Exhaust

None provided. Customer to supply if required by local Code.

