

MOISTURE MAX

Lint Conditioning System

Manufactured with Continental Eagle Specifications Exclusively by Samuel Jackson

The Continental Eagle Moisture Max is designed to introduce moisture into lint cotton at the lint slide before press operation. Designed primarily for gin operations in excess of 40 bales per hour, the Moisture Max can consistently take cotton lint to maximum safe moisture levels under all conditions. A benefit of moist air applicators is relieving hydraulic pressure at the press, users of the Moisture Max typically see hydraulic pressure not just reduced, but often cut in half. Typical gin capacity is increased by at least 2 bales per hour due to this press relief. Lint slide capacity is dramatically increased with the Moisture Max. The combination of maximum safe moisture restoration for growers, coupled with greater efficiency for the gin, makes a Moisture Max System a winner for both the gin and its growers, with return on investment normally realized within the first season of operation.

Warm, moist air from the Samuel Jackson Humidaire Unit is pushed into the bottom of the Moisture Max where it must pass through a perforated screen that the cotton batt is pressed against. After penetrating the batt, the moist air enters a rotating, perforated drum where it is then evacuated by suction. Application efficiency is so high that there is little remaining of the moist air to be evacuated.

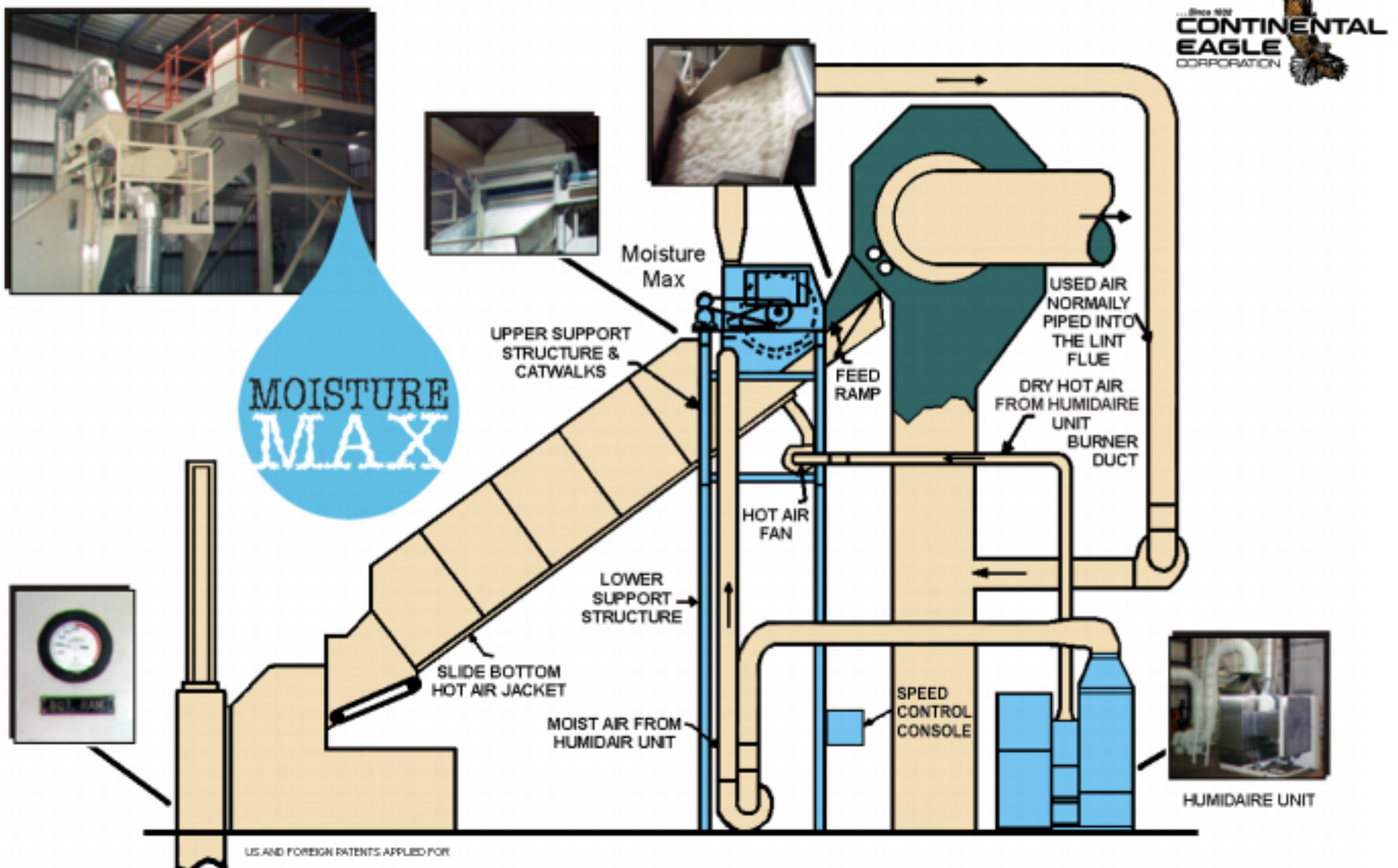
A combination of doffing and compression rollers take the fully conditioned cotton batt from a large drum and compresses the cotton into a thin heavy batt. The moisture conditioned cotton batt slides easily down the warmed lint slide into the press. The Humidaire Unit is adjusted to achieve the operator's desired final bale moisture setting. Control of the final bale moisture within two tenths of one percent is possible with the Moisture Max lint conditioning system.

A source for warm dry air is needed for the Moisture Max. Although this source can be obtained from the Humidaire Unit, a separate small heater is recommended, especially in cold climates. Continental Eagle offers an optional 1-million Btu/hr gas-fired heater designed specifically for the Moisture Max.



A Lint Conditioning System at work in hot desert temperatures combined with very dry cotton making this the perfect gin to use a Moisture Max to restore maximum moisture at a capacity of 60 bales per hour.

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Manufactured and Marketed by



BAJAJ STEEL INDUSTRIES LIMITED

IMAMBADA ROAD, NAGPUR- 440 018, INDIA
 Tel: +91-712-272 0071 ~ 80 Fax: +91-712-272 8050 / 272 3068
 email : cecsales@bajajngp.com / bsi@bajajngp.com
 website : www.bajajngp.com



Telephone: (334) 365-8811 • Fax: (334) 361-7627
 Web Site: www.coneagle.com