

Corrugating Machinery Double Facer



Features:

- Flexibility in constructing the proper combination of hot plate design and hold down means
- Modular design reduces installation time and trouble free start ups
- Gun-drilled steel hotplates virtually eliminate cupping and deflection normally experienced with conventional double facers
- Hollow liquid filled weight rolls provide reliable high speed operation, long life, and high energy transfer to the moving paper
- Motorized wrap rolls allow the amount of wrap on the entrance liner preheater to be adjusted
- Infusion Technology in integrated on the hotplates to provide high energy transfer to the moving paper web and to significantly reduce frictional paper drag

Barry-Wehmiller

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Modular Design

The Belted Double Facer incorporates a modular design concept which allows for flexibility in constructing the proper weight roll/hot plate combination for your operating needs. With the modular concept, each module is ready for installation when it leaves our factory. This results in reduced installation time and provides for trouble free start ups. The modular design also allows you the flexibility of easily adding future modules in order to react to an ever changing marketplace.

Entrance

The new design entrance preheater roll, with motorized adjustable wrap roll, replaces the old style curved hot plate. Full wrap on the preheater is equivalent to two 24" (610 mm) hot plates. The motorized wrap rolls allow you to vary the amount of wrap on the preheater to meet your operating needs.

High Energy Hot Plate

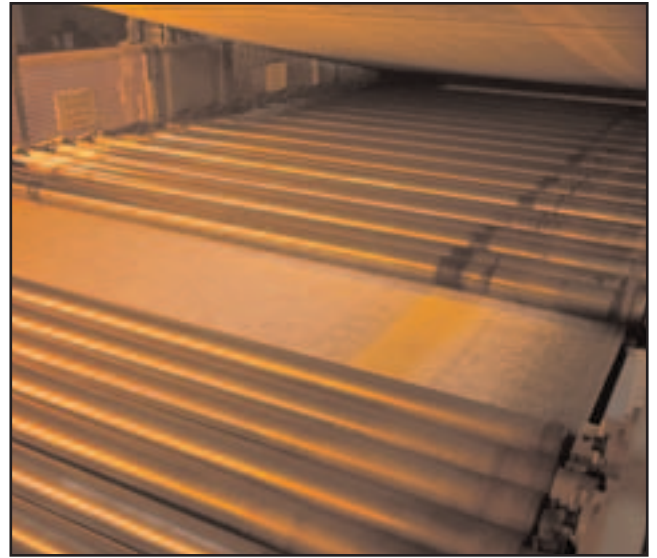
Using modern gun drilling techniques, the fabricated one piece steel hot plate has steam channels close to the working surface which provide reduced temperature drops within the hot plate, virtually eliminating the cupping and deflection normally experienced with conventional double facers. The final results are higher operating speeds without edge crush.

Weight Rolls

The new patented weight rolls are light weight, hollow steel construction and are liquid filled. This new design prevents roll distortion during machine stops and provides a broader "footprint" to the board to reduce crush. The weight rolls are mounted with self-aligning, permanently lubricated ball bearings to provide reliable high speed operation and long life.

Lift System

The weight roll lift system provides ultimate flexibility in controlling weight roll configuration



during operation to assure board which is flat and well bonded. Positioning of weight rolls can be controlled either manually or automatically. Weight rolls are added or removed according to speed, in selectable heat rates, to assure high quality product. The new system is constructed with heavy duty weight roll arms and housings, with replaceable bushings at all pivot points to provide long life and ease of maintenance.

Main Drive and Gear Boxes

Two totally enclosed gear boxes mounted on the drive side replace the old style bull gear arrangement. Power is applied to the top gear box via a high tech timing belt to drive the belt head pulley, the highest torque requirement. The bottom gear box is driven via a timing belt from the top gear box. In this manner, high speed operation, performance and durability are assured. Weight rolls acting against stiff non-deflecting table rolls are utilized in the Sandwich Style Pulling Section to positively transport the moving paper web through the machine without slippage.

Infusion Technology

A unique and patented feature of the Double Facer is the use of superheated steam which floats the paper web over the hotplates and transfers high quantities of heat energy to it. Benefits are higher run speeds, improved warp control and much less frictional drag.

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