HEAT TRANSFER SYSTEM

BY:

Corrugated Gear and Services, Inc.
The Dual-Action cylinder maintains constant pressure regardless of board thickness.
Reduced Moving Parts Per Shoe To 4!

- Anti-Tilt Bar
- Dual-Action Cylinder with Hi-Temp Components
- Heavy Duty Precision Engineered Shoes
Anti-Tilt Bar • Anti-tilt feature keeps shoes level – no trapping of heat/moisture at edges (patent pending)
• Each bar can be adjusted either manually or automatically
• Full or partial integration with all popular corrugator control systems available

Dual-Action Cylinder

Shoe does NOT tilt at edge of board
WEIGHT ROLLER SYSTEMS

WHY DO YOU NEED THE HOTFOOT?

NARROW BOARD WITH WEIGHT ROLLER

(Image exaggerated for clarity)

MAXIMUM PRESSURE (crushing edges)

MINIMUM HEAT TRANSFER

Edge Crushed

Steam Can’t Escape

STEAM CHEST W/CENTER SAG
NARROW BOARD WITH HOTFOOT HEAT TRANSFER SYSTEM
PRESSURE DISTRIBUTION

Normal pressure required for MAXIMUM heat transfer is 0.14 - 0.20 P.S.I.

HOTFOOT v/s Weight Roller

Distributes Optimal Pressure With Greater Coverage Area
Even if fixed pressure spring-loaded transfer devices are adjusted to exert even pressure across the hotplate, they cannot be easily adjusted to compensate for a difference in board thickness. If the spring-loaded device is adjusted for ideal pressure on B-flute, it will create excessive pressure and drag on C-flute and double-wall.
It is very important to maintain the proper pressure on the web, in order to maintain maximum heat transfer, without creating excessive drag. Pressure greater than .3 PSI will cause the double backer drive to draw excessive current and premature belt wear without increased heat transfer. The graph below illustrates this point.
Simplified controls – now *standard* on all systems!

*Outer shoe lift*

*Center shoe over-ride*

*System pressure*

*Bar “UP – DOWN”*

*No operator changes needed when changing flutes/grades*
What HOTFOOT does for you!

- Transfers more heat – more evenly.
- Because it’s adjustable across the web, edge crush is virtually eliminated.
- HOTFOOT™ compensates automatically for “highs”, “lows”, and the continuous changes to your hot plates.
- Since you use minimal pressure, HOTFOOT™ can result in significant power savings.
HOTFOOT™ Technology for your Traction Section!

- Now **ADJUSTABLE** pressure for your traction section!
- Stop spending weekends changing out worn rollers and bearings
Simplicity meets Affordability with this “little brother” of the original HOTFOOT™
• Works with ALL flutes and grades
• Works with ALL flutes and grades

• Consistent, optimal pressure for max. heat transfer
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• Consistent, optimal pressure for max. heat transfer

• “Set It and Forget It” Thermal Logic Technology
• Works with ALL flutes and grades

• Consistent, optimal pressure for max. heat transfer

• “Set It and Forget It” Thermal Logic Technology

• Virtually NO operator adjustment required
CONTACT INFORMATION:

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