

# **BW Papersystems Curved Infusion Hot Plate for Singlefacer Medium**

# Challenges of using a variety of medium paper during production

#### **CHALLENGES**

- Excessive heat equals dry or flute fracturing for light weight papers; or not enough heat for heavier papers for poor flute formation.
- Ine cient moisture transfer causes dry paper, and flute cracking
- Excess moisture causes wet paper, delamination, blisters; inadequate flute formation and bonding for SC medium papers
- Too much paper tension causes paper fractures
- Increased roll pressures in the Single Facer

#### CONSEQUENCES

- Quality issues for internal team members & customer claims
- Reduced operational performance.
- Lower production speed (corrugator, converting)
- Can not accept customer orders requiring special
- Increased operational cost: material waste, and labor; premature wear of the Singlefacer components

# **CURVED INFUSION HOT PLATES - A solution for ANY corrugator**

#### **Features**

### Standard (Internal & External Mounting)

- Gun Drilled Technology for Higher Surface Temperature
  - Two Steam Systems incorporated in one Infusion Plate
    - Closed System Saturated Steam for Heating by Conduction
    - Open System Overheated Dry Steam (Infusion Steam) for direct heating
- Infusion ON / OFF, Normal / Intensive Control
- Thermocouple allows Infusion Steam ON when Plate at Working Temperature
- Line Speed related Infusion Steam ON / OFF control
- CE Certified Working Environment

### Optional (External Mounting)

- Multiple Infusion Sections depending on paper width dependant Narrow / Medium / Wide selection mode
- Adjustable Paper Wrap over the plate from 0 to maximum wrap
- Connection to Wet End Controller for Automatic Control

## Optional (Internal & External Mounting)

Complete Steam and Condensate Package with Pressure Control Valve

### **Advantages**

- Paper preconditioning for all grades
- No dry paper
- No wet paper
- Softened fibers for easier flute formation •
- Operational flexibility
- Compact design
- 1 weekend installation, easy start-up

# **Benefits**

- Higher quality & corrugator output
- Reduced glue consumption
- De-lamination excluded
- Reduced Single Facer roll pressures
- Used for all liner papers
- Fits into a tight space
- No downtime, immediate benefit



External Mounting



Curved Plate for Medium

#### **Testimonials**

Most of the users of this Infusion Technology Application reported

- 20% 30% increase for SC papers and other heavier grades (>140 gsm)
- Controlled preconditioning for lighter papers (< 105 gsm)
- Reduced glue consumption due to no dry paper
- Less corrugating roll pressure applied in the Singlefacer

# More Testimonials available upon request

# Summary

- Production challenges continue without INFUSION Application
- Increase productivity WITH BWP's INFUSION Application
- Increase internal and external customer satisfaction with INFUSION Application



Internal Mounting







