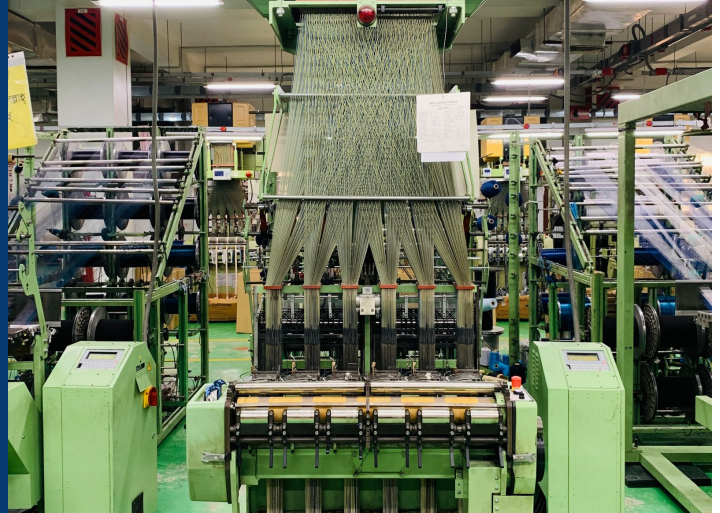


Infrared Booster Adds Capacity to Filter-Media Drying

PUBLIC CONFIGURATION REFERENCE

Dry latex before rollers.
Add compact line capacity.

27 KW REFERENCE BOOSTER POWER



THE PROCESS CHALLENGE

Wet latex on activated-carbon filter material can limit line output and contaminate downstream rollers when the existing dryer reaches its capacity.

THE INFRARED APPROACH

A compact medium-wave infrared booster is placed before the existing drying section. The additional controlled energy removes moisture earlier in the line.

1

COAT

Apply latex

2

IR BOOST

Start drying

3

MAIN DRY

Complete removal

4

WIND

Protect downstream rolls

APPLICATION FEATURES

- Small-footprint capacity upgrade
- Retrofit can limit disruption to the existing line
- Medium-wave energy supports water removal
- Fast response follows coating and line changes
- Booster layout preserves the main dryer

APPLICATION NOTE

Public case-study configuration reference - not a YFR performance claim. Final ratings and results require YFR sample testing and engineering confirmation.

TYPICAL CONFIGURATION

REFERENCE SCALE

Six 4.5 kW emitters; 27 kW total

EMITTER

Medium-wave infrared

CONTROL

Line speed, power and stop interlock

AIR MANAGEMENT

Local exhaust as required

CUSTOM DESIGN

Web width, gap, zones and guarding

CONFIRM

Media, latex pickup, speed and moisture