

# LIQUID COATING & LAMINATING



## DAVIS-STANDARD STEAMEX SYSTEM

### OVERVIEW

A moisturizing system for one or two-sided coated paper or board, the Steamex System is undoubtedly the most innovative rehumidification system available today. Unlike conventional systems that merely provide surface wetting, the Steamex System uses saturated steam in a controlled atmosphere to cause water vapor to fully penetrate the paper mass and then condense, resulting in uniform rehumidification. By using this unique saturated steam method, the Steamex is able to avoid common side effects (such as distorting, spotting and web swelling) that are usually associated with surface wetting. The Steamex System can also improve your line's efficiencies because there's no dwell time, and therefore no extra web length, while water penetrates and equalizes throughout your substrate. In the end, that means higher productivity - and higher profits - for your business.

### DESIGN FEATURES

- The multi-chamber nozzle which gives rehumidification with the highest efficiency in both cross and machine direction.
- All surfaces exposed to steam are heated to prevent condensation, permitting the unit to be installed in various positions.
- Easy web threading - chamber halves separate hydraulically or pneumatically to provide ample access.
- Highly repeatable operating conditions due to precise humidity measurement and control, semi or fully automatic modes available.
- Web outlet vacuum system provides capture of surface steam; thus the possibility of steam condensing on adjacent machine components is greatly reduced.
- Automatic steam cut-off upon web break, emergency stop or opening of the chamber.
- Single or dual-sided remoisturization available.

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