



CUSTOMIZED THERMAL SOLUTIONS

SPECTRA HE™ Ultra Drying System

SPECTRA HE™ Ultra Drying System, like all of our products, organizes oscillating flows into one powerful stream and directs this stream onto the material. It is an advanced convective drying technology for inks, adhesives, water and other solvents.

Features and Benefits

Increased Web Speed

Our ability to dry faster has made it possible for some customers to increase web speed by 50 to 70% without compromising quality.

Reduced Energy Consumption

When compared to the conventional drying system, the Spectra HE Ultra uses only a fraction of energy (to 75% less). It is an energy source independent system - it can use natural gas or electrically preheated air.

Increased Press Performance with Water Based Inks and Coatings

If drying of water based inks is a challenge for your operation, the HTI solution is better at removing moisture than currently available drying techniques. Therefore we broaden the use of water based inks.

Drying Without an Increase in Temperature

Our drying technology is effective at the same or lower temperature than the current drying solution.

These benefits will make your company more competitive for years to come.

Environmental Benefits

Reduced energy consumption and increased use of water based inks benefit the environment – an important criteria for selecting a printing company.

Applications

HTI's Spectra HE™ Ultra Drying System is compatible with many different material types:

- Films
- Foil
- Plastic (Credit Cards)
- Cardboard
- Paper

HTI's Spectra HE™ Ultra Drying System is compatible with many different printing processes and equipment types:

- Flexographic
- Coating and Laminating
- Gravure
- Offset and Multi-Process
- Label
- Rotary letter or Wet Offset

A typical Spectra HE™ Ultra Drying System includes:

- One (per color) dryer station
- One (per color) heater
- One or more blowers (depending on number of colors)
- One control panel

Systems are available from: extended range type, 1color (custom application) to 12 colors for hot air based presses. A two year manufacturer's warranty is provided on every system we build. Maintenance is kept to a minimum since the only moving part is the wheel of a blower.

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客製化的溫控設備

SPECTRA HE 乾燥系統

一如本公司其他產品，本系統係將震盪水流整合為一強力水柱，並導入材料中。此為進化的對流乾燥技術，用於油墨、黏著劑、水或其他溶劑中。

特色與優點

加快處理速度

因為快速乾燥，可幫助顧客加快 50%-70%的速度，而不影響品質。

減少能源消耗

與傳統乾燥系統相較，本系統之能源使用率僅 75%以下。本系統需要獨立能源，例如天然氣或電力預熱氣壓。

與水基油墨和塗料共同使用可增加壓力性能

若水基油墨不合乎貴公司現用系統，本系統較市面上其他乾燥科技更能有效除去水氣，能擴展水基油墨的使用範圍。

無須增溫即可乾燥

本系統與現有其他乾燥法相較，使用相等或更低的溫度。

以上優點，能幫助您的業務在未來數年內更具競爭力。

環境保護

由於消耗較少能源、使用更多水基油墨，對環境造成影響較小，是當前印刷業選擇的重要標準之一。

應用

本系統可與不同材質相容：

- 底片
- 錫箔
- 塑料（信用卡）
- 紙板
- 紙張

本系統可與不同印刷製程或設備型態相容：

- 柔版
- 塗層和層壓
- 凹印
- 偏移和多進程
- 標籤
- 旋轉字母或濕膠印

本系統基本配備：

- 每色一機台
- 每色一加熱器
- 一個或多個鼓風機（取決於顏色數）
- 一個控制面板

本系統使用範圍廣泛，使用熱氣壓技術，從單色至 12 色，提供兩年保證。由於唯一移動元件是送風機輪軸，維修所需將降至最低。

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