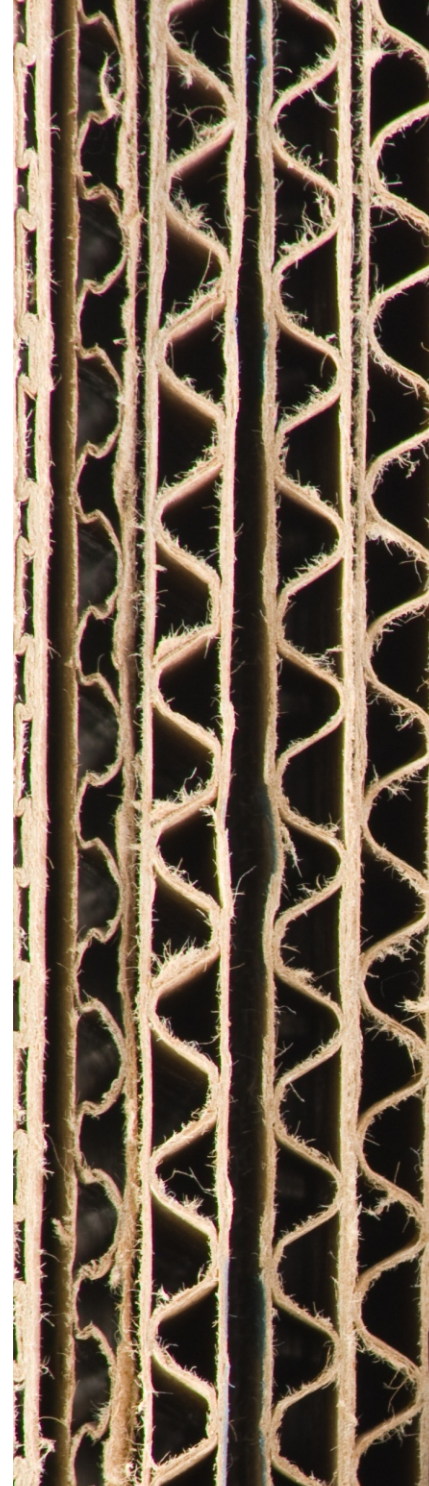




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DRY-BOARD



INFRARED SYSTEMS

THE TECHNOLOGY

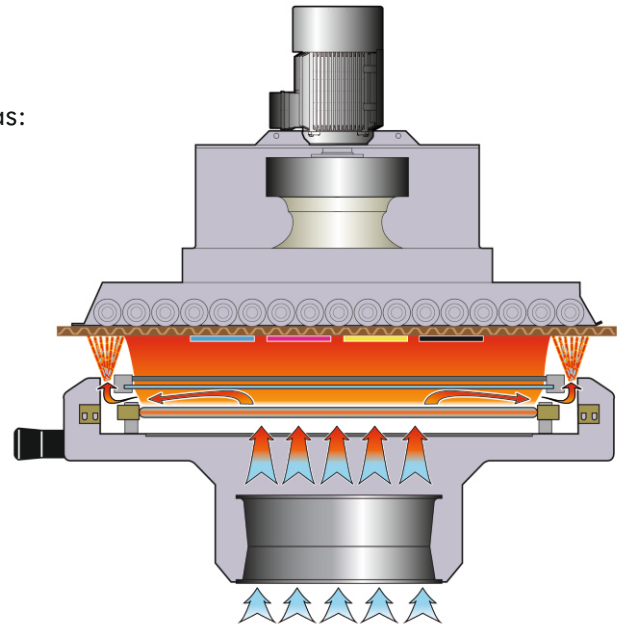
The new DRY-BOARD series ventilated IR dryers have been designed to be installed on corrugated board printing machines for upside and underside printing and suit the drying of water-based inks and varnishes.

Equipped with low thermal inertia quartz tube lamps combined with high-speed hot air blades, the new DRY-BOARD series dryers, at equal installed power, guarantee an important increase in drying efficiency at maximum speed with a consequent reduction in energy consumption.

BENEFITS

The installation of DRY-BOARD series ventilated IR dryers after each printing unit grants important advantages such as:

- High speed multi-colour printing, varnishing and die-cutting in a single pass
- Excellent finishing quality with added brilliance and printed matter protection
- In-line ink hiding power (trapping)
- Varnish colouring elimination (ghosting)
- Elimination of marks and scratches
- Improved ink stability in the printing machine
- Significant reduction of waste



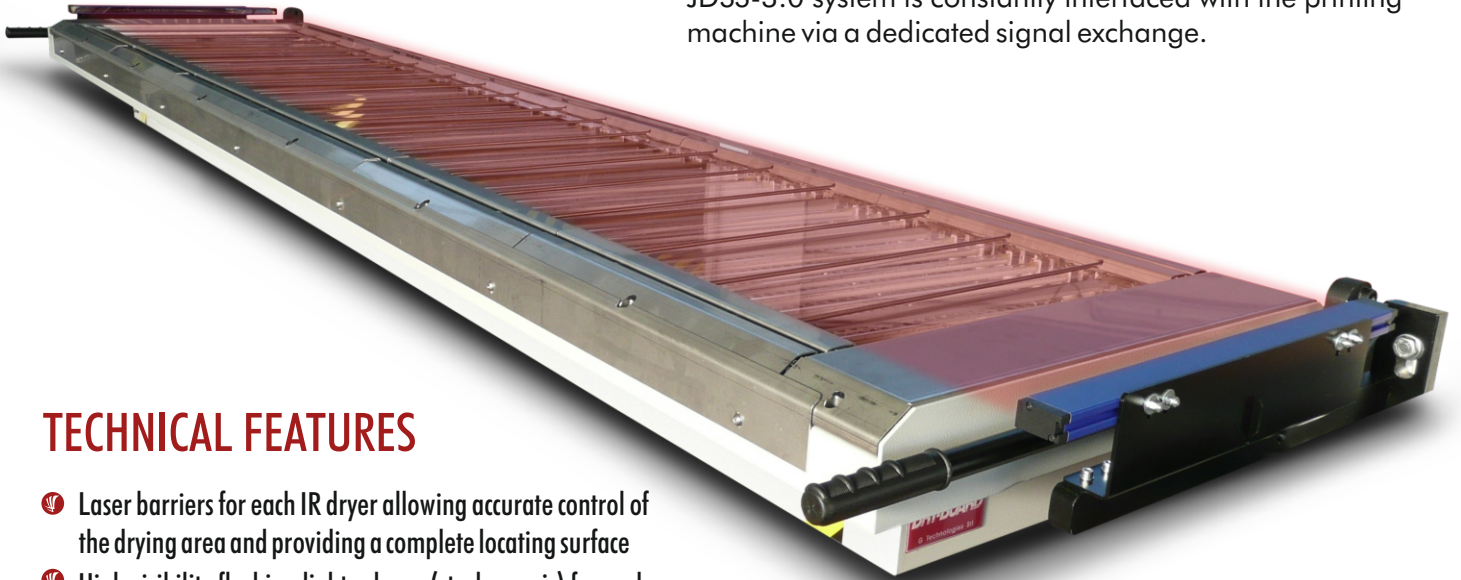
TECHNICAL FEATURES

- Separate lamp lighting system according to the printing size
- Lamp power proportional adjustment according to press speed
- High efficiency IR lamps with special back treatment
- IR lamp protection quartz shields
- Stainless steel sheet guide bows to protect IR lamps and quartz shields
- JDSS-3.0 sheet detection system
- Optimal power management with HSC (Half-Single-Cycle Zero) regulator
- Lamp and quartz shield fast replacement for maintenance

MAXIMUM OPERATIONAL SAFETY

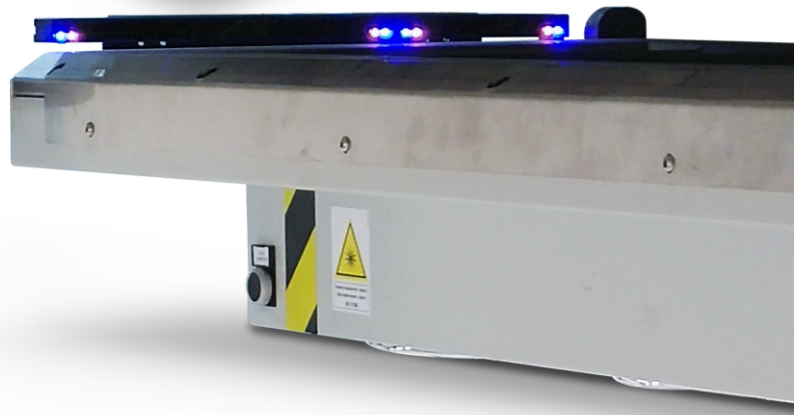
The new JDSS-3.0 system (Jam Detection Safety System-3.0) allows an always active and constant monitoring of the sheets flowing through the drying zone, minimizing any risks deriving from jamming and/or loss of cardboard sheets and is able to intervene by switching off the dryers in a fraction of a second.

All system diagnostics are displayed on the control touch-screen and are supported by user-friendly graphics. The JDSS-3.0 system is constantly interfaced with the printing machine via a dedicated signal exchange.



TECHNICAL FEATURES

- Laser barriers for each IR dryer allowing accurate control of the drying area and providing a complete locating surface
- High visibility flashing light column (stroboscopic) for each ventilated IR dryer
- High visibility flashing light column (for signalling the status of the system) positioned sideways on the control pulpit, complete with sound signal
- RESET button located on the service side of the IR dryer
- Control touch-screen with dedicated alarm screens for easy intuition
- Forced ventilation of the IR dryers for rapid cooling of the system in the event of a shutdown



CONTROL AND MANAGEMENT

The electrical components are contained in properly sized forced ventilated cabinets to eliminate undesired heat generated by the equipment. The entire system is managed and monitored by means of a touch-screen with extremely intuitive graphics.

TECHNICAL FEATURES

- Separate lamp lightings according to printing size
- Separate power selection for each dryer
- Lamp power proportional adjustment according to press speed for each individual dryer
- IR lamp test executable directly from touch-screen
- Visualization of instantaneous, cumulative and total energy consumption for each individual dryer
- Visualization of IR lamps partial and total operated hours for each individual dryer
- Recipes store and selection for production cycle
- Remote assistance system GT-COSY 131
- Diagnostics and alarm warning



GLOBAL DRYING SOLUTIONS



UV SYSTEMS



EXCIMER SYSTEMS



UV LED SYSTEMS



HOT AIR SYSTEMS



INFRARED SYSTEMS



LABORATORY SYSTEMS



ROLLER COATING SYSTEMS



CONTROL AND MANAGEMENT SYSTEMS

High Quality Solutions
For Printing Industry



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