

Sahara V Drying System



The Sahara V vertical heatset dryer with features designed specifically for newsprint, insert and semi-commercial

The Sahara V is specifically designed to match the requirements and specifications of vertical heatset presses in the newsprint, insert and semi-commercial print industries.

Like the popular Sahara II dryer, the Sahara V incorporates high-efficiency Soft-Dri III air bars, patented air-envelope system, precise temperature controls and rugged construction. The compact “footprint” of the Sahara V is further enhanced by simplified operator controls and expansion options that include air turns, platforms, and chill stand.

The features of your Sahara V are custom selected, then packaged in a pre-wired and completely pre-tested package that guarantees start-up and commissioning within one day. Rugged and cost-effective, the Sahara V is the perfect compliment for vertical heatset presses.

Standard Features...

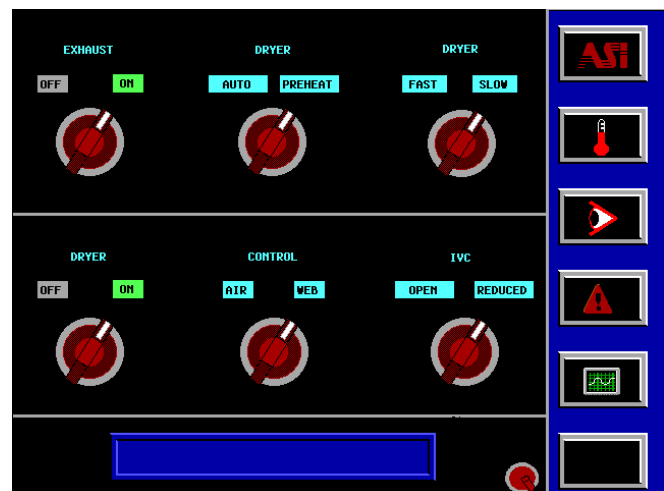
Internal Exhaust Ducting – is used to pull exhaust from the center of the dryer and channel it to a top-mounted flange. This eliminates the need for external ductwork and helps maintain a compact dryer profile. Additionally, the use of internal plug fans for exhaust and circulation reduces noise and eliminates the need for interconnecting ductwork.

Web-up Doors – are specifically designed for vertical operation. Multiple pneumatic cylinders operate from a single reservoir to provide an even and precise movement. Oversized convex rollers maintain a smooth and reliable operation.

Pneumatic Drive Retraction – of the air bar assemblies for web-up replaces the pulleys and cables used in conventional dryers. The direct coupling of shaft and piston means fewer parts, no adjustments for cable stretch, less space and greater reliability.

10.4” Touch Screen Monitor – is the primary operator interface. Operation, alarms, maintenance and help screens are all available at this single interface. The use of imbedded graphics and animation provide greater clarity and simplicity at the “touch of a screen”.

Pre-wiring and Pre-testing – is common to all ASI dryers. The motors, instrumentation, and computer controls are factory wired and tested. This reduces on-site installation requirements to main power tie-in and connection of gas and air sully. Pre-wiring and pre-testing are primary factors in ASI’s exclusive one-day start-up guarantee.



Maintenance and operation screens use picture graphics and layered intelligence to simplify operation and minimize training.

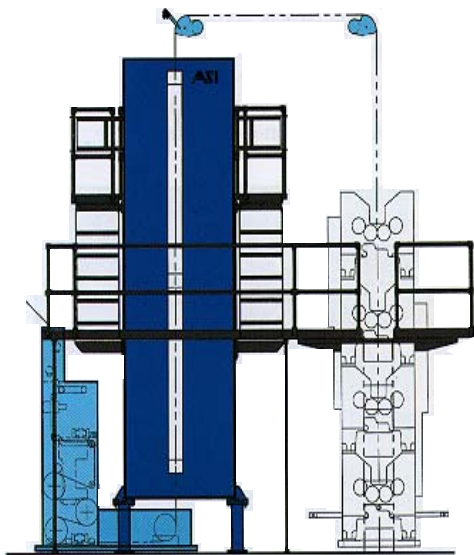
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Performance Features ...

- Web width from 26" (660 mm) to 64" (1626 mm) and lengths from 12 feet (3.7 m) to 20 feet (6.2 m).
- Soft-Dri III air bars provide nozzle velocity of 12,500 fpm (64 m/sec) for maximum heat transfer at minimum energy input and fan rpm.
- An automated inlet vane on the recirculation fan adjusts airflow during start-up and when handling sensitive lightweight webs.
- ODP high-efficiency motors with across-the-line (FVNR) starters, heater elements and magnetic short circuit protection.
- Painted heavy-duty structural support base.
- Equipped with high speed modem for remote troubleshooting and performance verification.
- One year warranty on all parts; three year warranty on all ASI manufactured components.
- Sahara V options include:
 - Integrated chill stand
 - Web-up platform and handrails
 - Grate rolls or air turns
 - Pollution control system
 - High efficiency (TEFC) motors
 - Independent control console



The back of the Sahara V shows the compact modular design of the burner and piping, blower, exhaust system and electrical enclosure.



Sahara V dryer with two 90° Pathfinder airturns, low profile chill stand and platforms.

For more information on the Sahara V drying system and other ASI products for the graphic arts industry, please contact Advance Systems, Inc.



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... Where New Technology is in the Air

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