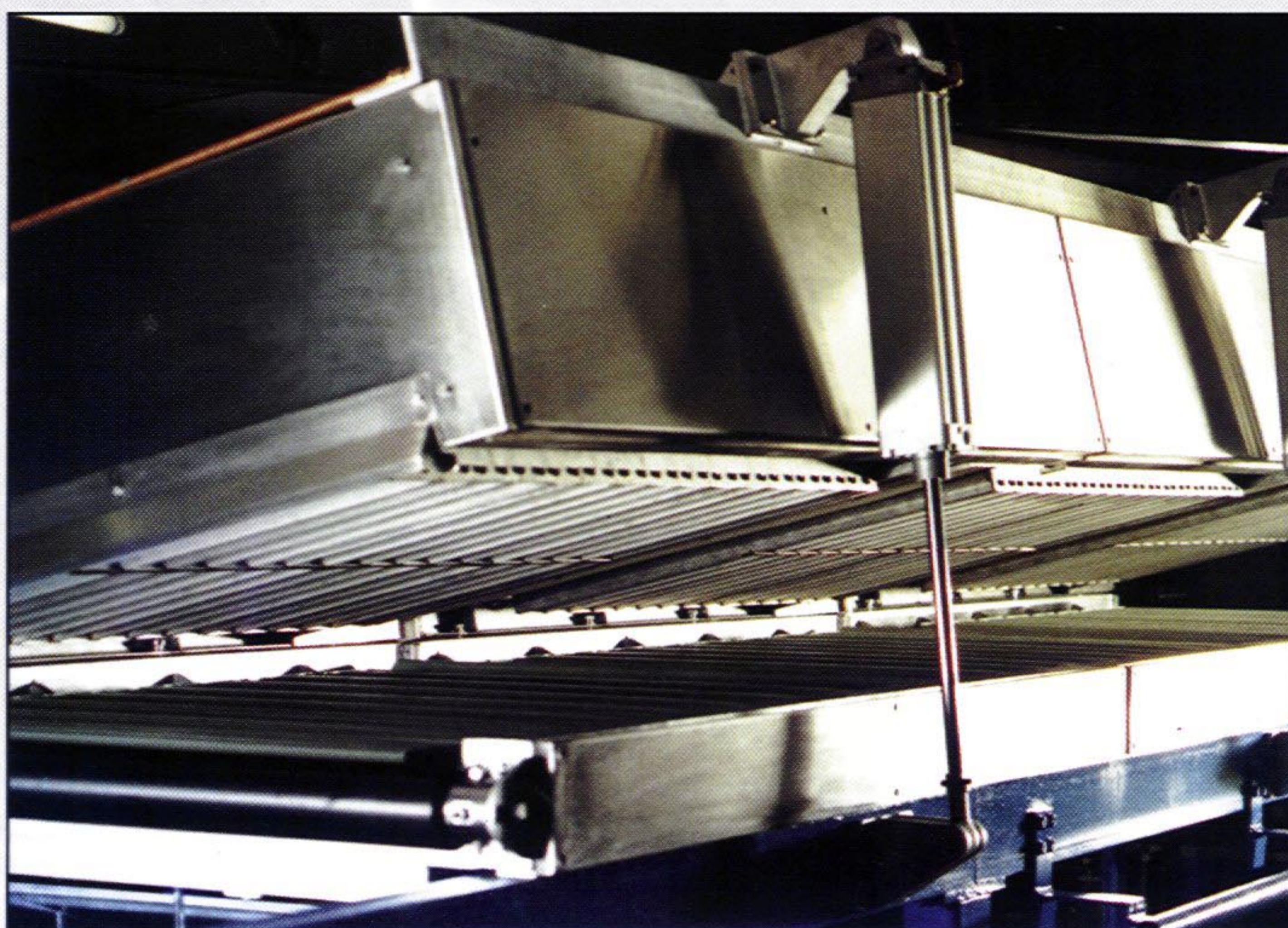


ADVANCED MODULAR DRYING SYSTEMS



Increase output, improve quality, enhance profits by drying solvent or aqueous based inks and coatings in 'Delpo' modular dryers.

High Efficiency Drying

Up to 6.0g/sq.m of water or solvent removal per 1850mm module at 100 m/min or pro-rata. At a cost for gas of less than 50p per hour (80p if solvent).

Low Running Fan Costs

2KW fan for 1 metre web width module costs currently 14p per hour.

Less Noise

Below 75dB @ 1m installed in line.

Controlled Drying Environment

Individual controls of temperature, velocity and humidity available.

Alternative Heating Methods

Internally by steam, thermal oil or electric heat exchangers; externally by gas burners or by recovered heat.

Clean, Durable & Rust-Free

All stainless steel construction, fans and airways ensure strength, corrosion resistance and low maintenance costs.

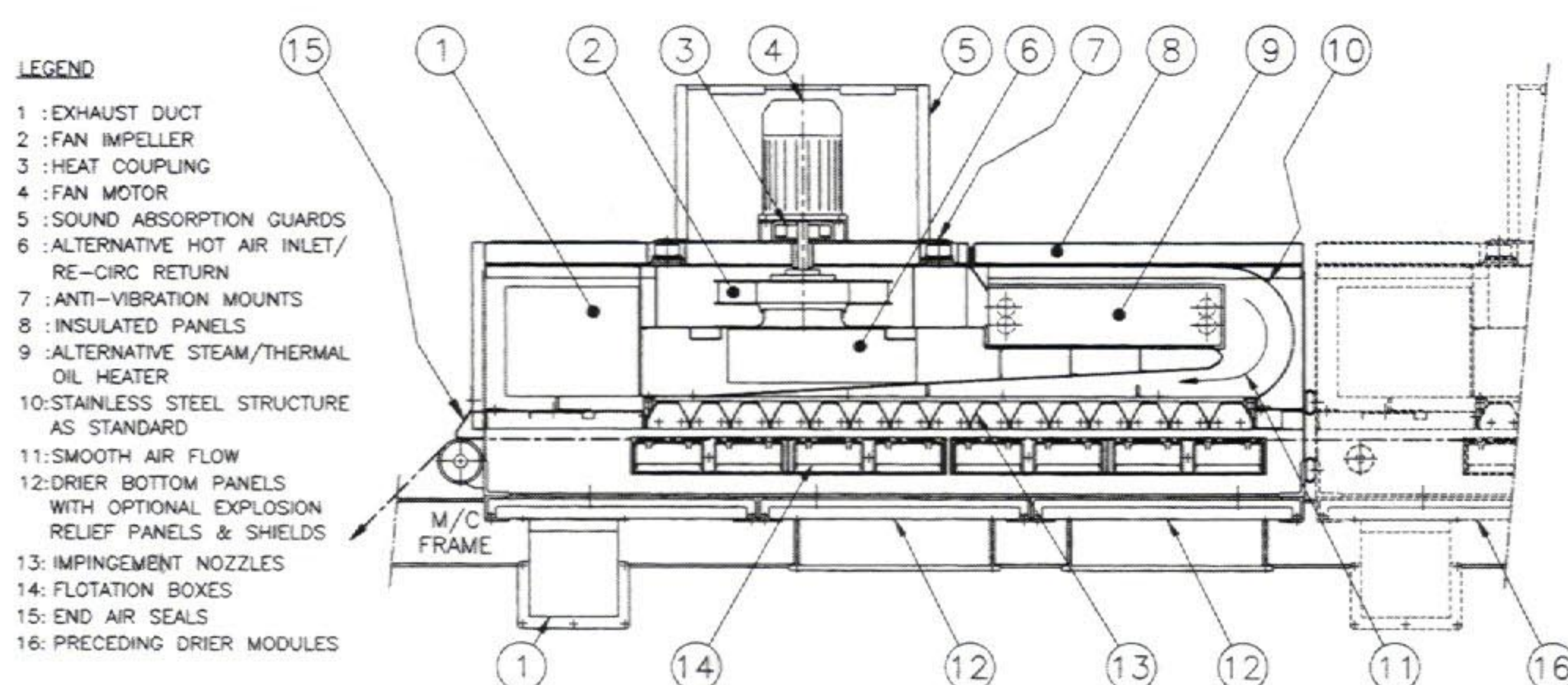
Custom Designed

Can be installed, complete with supporting frames and web transport rolls to new or existing printing, coating or laminating machines to individual requirements.

Delpo

ENGINEERS & DESIGNERS TO THE CONVERTING INDUSTRIES.

'DELPRO' DRYERS - MULTIPLE AIR JET MODULES



HIGH EFFICIENCY AIR JET DRYER MODULE

Construction & Function

All internal airways, fan impeller and skin, as well as the main frame of the dryer are fabricated exclusively from stainless steel. The fan motor is of generous frame size, Class H and isolated from the interior of the dryer to ensure long service life. Air velocities from the jets of up to 30m/sec. are adjustable by dampers in the air stream or by AC Inverters controlling fan speed. The temperature is controlled automatically by motorised dampers which vary the ratio of pre-heated air to fresh cool air admitted to the fan inlet or, in the internally heated modules by the control of the steam or thermal oil flow.

The air jets each blow into flotation boxes which support the web from beneath on a film of air thus avoiding marking of the web or overdried edges. The airways are designed to provide smooth and streamlined air flows avoiding abrupt changes in velocity or direction. Coupled with anti vibration mountings for the fan motor and to support the module upon the machine frame, this gives a smooth running, maintenance free system. Access for thread-up or cleaning is obtained by pneumatic opening of the modules or from beneath by removable panels.

Features

- Designed to provide even, controlled, energy efficient drying of solvent or water based print and coatings over a wide range of coating weights and drying rates.
- Shipped as fully assembled, independently controlled modules, requiring only to be mounted in position and connected to energy source, exhaust duct and control cabinet.
- Exhaust/recirculation ratio can be set for solvent based products and monitored and controlled automatically to a set proportion of the Lower Explosive Limit.
- Gives energy efficient drying and presents favourable feed stock to solvent recovery or thermal oxidation systems
- For water based coatings exhaust is arranged for almost 100% recirculation through the air heater with only a small bleed to exterior to remove the water evaporated, giving a net thermal efficiency exceeding 50%.
- Independent control of successive modules to temperature, air velocity and humidity gives ultimate control of an evenly dried, smooth coating, free from bubbles, pin holes or the effects of premature skinning.

General specification for 'Delpro' air jet dryers

SPECIFICATION

Web Width	250 - 2500mm.	Width of Module	Web + Approx. 550mm.
Jet Velocity	Infinitely variable 2 - 30m/sec.	Length of Module	1900mm overall
Heat Energy Flux.	6 Watts/sq.cm max.	Evaporative capacity (water)	600g/m.width/min.

Performance, illustrations and descriptions are typical, not specific, subject to change without notice as a result of continuing development.

Delpro

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