



UniDryer® V3

for the Paper and Board industry

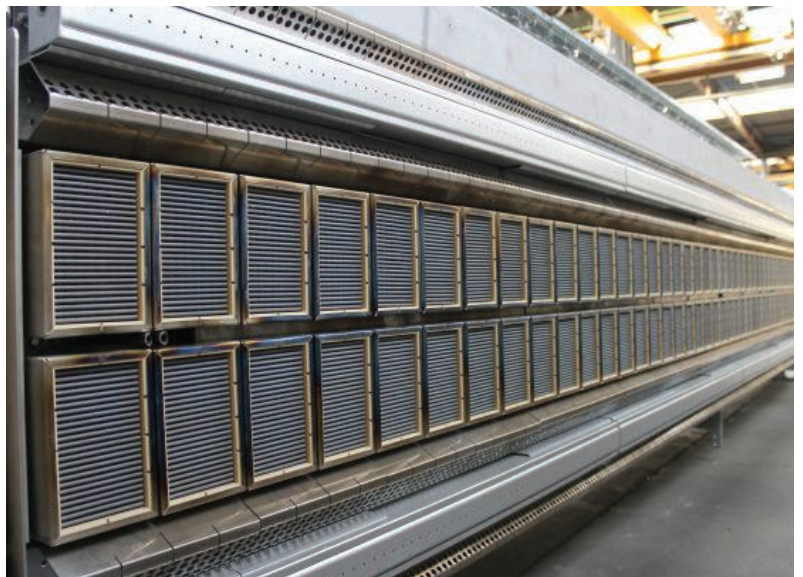
The UniDryer® V3 is a combined infrared and air drying system in which high performance gas infrared emitters are alternated with high temperature and velocity air nozzles. The combination of these features results in a fast heat-up, high evaporation rate and better paper quality.

Lower operating costs

UniDryer® V3 reaches high energy efficiency levels from the combination of the superior performance of GemE emitters and improved convection without requiring a heat exchanger or an external gas burner.

Higher quality

The system meets high quality standards - by regulating the power level of both rows of emitters, the drying rate can be controlled while the alternate use of air and infrared radiation stabilises the coat temperature.



	Power density	Efficiency	Quality	Drying flexibility
Gas IR	++	=	+	+
Air Drying	=	=/+	=/-	-
UV3	+	++	++	++

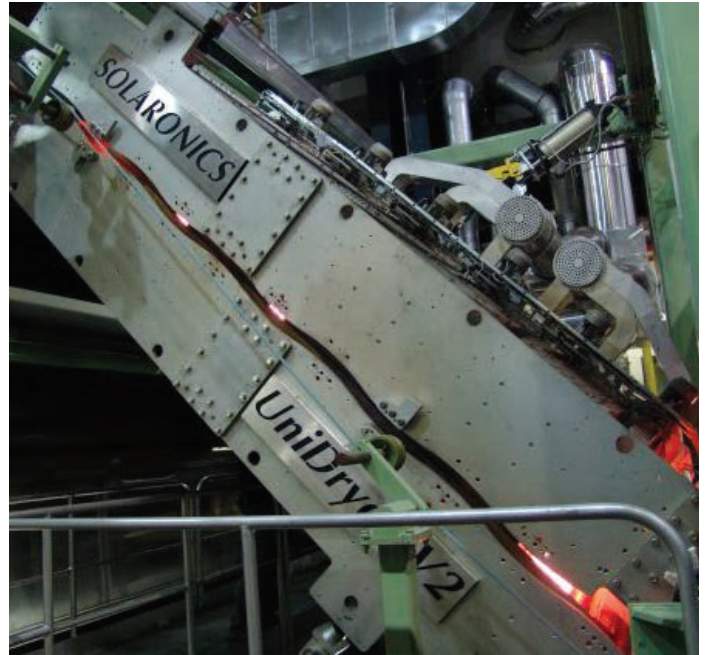
Saves up to 50 % on installation costs

The unit's compact design, integrated air fans and motors avoid the need for recirculation ducting. This makes the installation of the system a lot easier and cost-effective.

OPTIONS INCLUDE:

- Cross direction moisture profiling
- Automatic web width selection
- Fire Prevention System
- ERS (Energy Recovery System)

Efficiency can be improved even further through the ERS by recirculating the final exhaust air from the UniDryer® V3 into an air dryer.



1



A new blowing nozzle consisting of a combination of slot and impingement nozzles offering an optimal convective heat transfer while maintaining the perfect web runability.

2



A new compact design of integrated recirculation fans with higher air flows.

3

A new breakthrough emitter with 2 screens for higher infrared efficiency and excellent proven lifetime: The GemE emitter family.



Gem7+/Gem7E

Up to 7 kW
233 kW/m²



Gem9+/Gem9E

Up to 9 kW
300 kW/m²



Gem12+/Gem12E

Up to 12 kW
419 kW/m²

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