

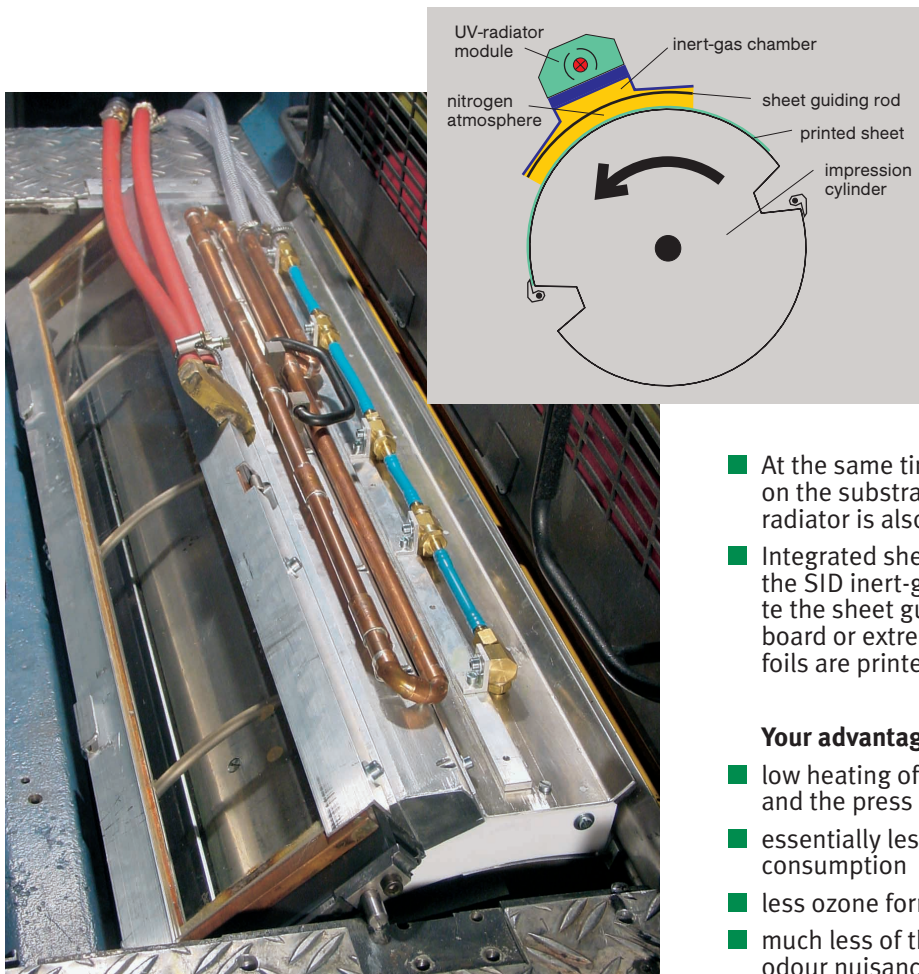


Polygraphische
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Leipzig GmbH

Inert-gas chamber for UV dryers on sheet-fed offset presses

Working principle:

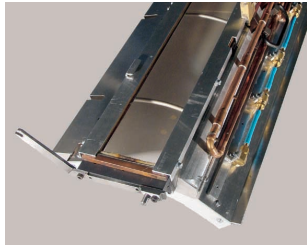
- UV-curing printing inks can be cured more effectively in an oxygen-reduced atmosphere
- Therefore the inert-gas chamber is mounted above the impression cylinder and flushed with nitrogen (inert-gas) this way expelling the atmospheric oxygen from the surface of the printing substrate passing by.
- Thanks to the more effective curing process the output of the UV radiator module mounted on the inert-gas chamber can drastically be reduced.



- At the same time the thermal load on the substrate caused by the UV radiator is also reduced.
- Integrated sheet guiding rods in the SID inert-gas chamber facilitate the sheet guidance even if board or extremely thick plastic foils are printed.

Your advantages:

- low heating of the substrate and the press
- essentially less energy consumption
- less ozone formation
- much less of the UV-typical odour nuisance
- inks with reduced photo initiator components can be used



Inert-gas chamber for UV dryers

Technical data

Dimensions	adapted to the sheet fed press
Inert-gas	nitrogen
Working pressure	5 bars
Nitrogen consumption per chamber	20... 50 m ³ /h
Substrate thickness	up to 0,8mm

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