



Industrial drying & curing solutions

Custom dryers

Dürr has extensive drying and curing experience for roll-to-roll processes, web forming processes and conveyor handling of webs. This experience covers a wide range of applications and a unique array of dryer styles, including:

- Flotation
- Roll support
- Belt/conveyor supported
- Through-air
- Inert
- Clean room
- Horizontal, vertical and arched

Substrate types include paper, films, foils, laminates, fabrics, membranes and other flexible web materials.

HIGHLIGHTS



Substrate width: 50 mm to 10 m

Substrate thickness:
4,6-micron film to 3,4-mm steel

Line speed: Up to 30 m/sec

Dryer length: <1 m to >200 m

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CUSTOMIZED DESIGNS

Dryers from Dürr incorporate easy threading and maintenance access. Separate web drying and air handling modules open the basic design to virtually unlimited configurations with regard to web width, zone configurations and machine layout.

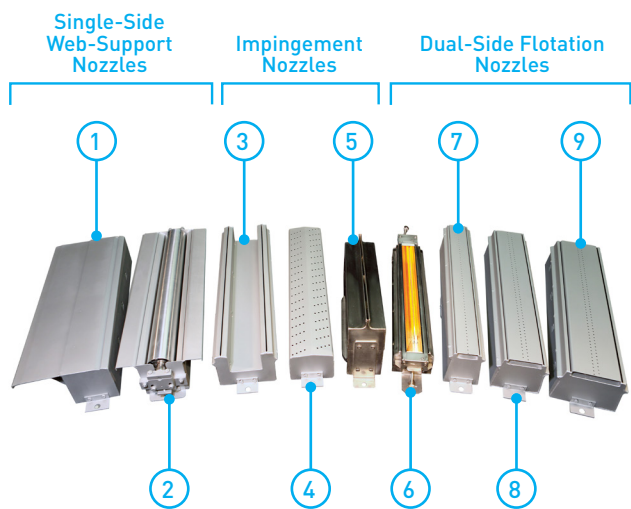
Dürr's experienced engineering team can supply standard dryer configurations or provide a customized solution for more difficult process conditions. Designs can include different heat sources, zone lengths, substrate widths and nozzle configurations.

PRECISION NOZZLE DESIGNS

Dürr understands the importance of applying the optimum nozzle design and configuration to meet process requirements. This technology is the control of drying rates that do not disturb the coating, coupled with the knowledge and experience of web handling, that puts it at the leading edge.



Roll support dryer



- 1 STEP AIR FOIL™ Flotation Bar
- 2 RollerFoil
- 3 Dual Slot Impingement Bar
- 4 2D Jet Array
- 5 Single Slot Impingement Bar
- 6 FLOATIR®
- 7 1X HI-FLOAT®
- 8 1.5X HI-FLOAT®
- 9 2X HI-FLOAT®

ENERGY SAVING DESIGNS

High-efficiency heat sources and advanced air flow management conserve energy to minimize operating costs. Whether the application operates with gas, thermal oil, steam or electricity, Dürr has a heating system designed to meet exact operational requirements.



Dürr Systems, Inc.
Clean Technology Systems
830 Prosper Street
De Pere, WI 54115
USA

Phone: +1 920 336-5715
E-mail: sales.cts@durrusa.com
www.durr.com