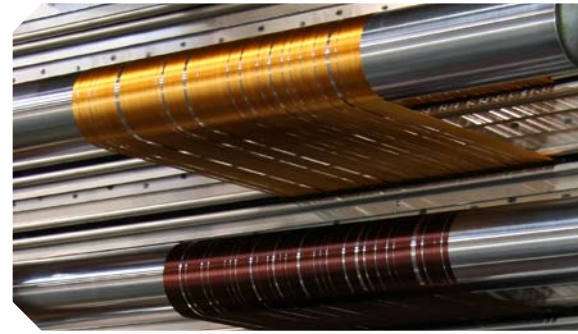


◆ **R&D Scale Oxidation Oven**
Designed for testing temperature and airflow settings to optimize your process prior to making a production line purchase



Oxidation is considered to be one of the most important process steps, yet is also considered the process step that still has the greatest improvement potential.

Since oxidation is an exotherm process, uniform, consistent airflow to uniformly remove heat from all tows across the web is a critical success factor. The Despatch Carbon Fiber Oxidation Oven produces a uniform airflow over the tows allowing the process to be operated closer to the “exotherm”, increasing the chemical reaction rate. Airflow turbulence is minimized to prevent cosmetic damage to fiber tows. Consistency of process results in no skinning (uncured core) and more uniform densification. Center-to-end airflow delivers up to 30% faster oxidation than conventional cross-flow ovens.

FEATURES AT A GLANCE

- ◆ Center to end airflow
- ◆ 2 oven bodies
- ◆ 4 independently controlled temperature zones (2 in each body)
- ◆ 5 meter heated length
- ◆ 5 inch rolls
- ◆ 0.3 meter tow band
- ◆ Includes roll stands
- ◆ Fire management suppression system
- ◆ Automated end slot closures
- ◆ Access doors for easy loading and cleaning of ovens



Contact Despatch to discuss pricing and options.

GLOBAL HEADQUARTERS

8860 207th Street West
Minneapolis, MN 55044 USA

phone: 1-888-DESPATCH (1-888-337-7282)

international/main: 1-952-469-5424

fax: 1-952-469-4513 sales@despatch.com

www.despatch.com