



Nonwovens advanced

CARDING



CETI –
TOURCOING, FRANCE

A specialised technical deep dive for experienced professionals focused on drylaid technologies.

This expert-led workshop moves from theory to practice, focusing on optimising production parameters for carding, web forming, needlepunching, and hydroentanglement. Designed for engineers, R&D managers, and production leaders seeking to improve process efficiency and product properties.

ORGANISED BY



IN COOPERATION WITH





PROGRAMME & TIMING

DAY 1

08.30

Welcome to CETI

INTRODUCTION

- Market statistics
- Product and applications
- Definition and history
- Nonwovens platform discovery

RAW MATERIALS

- Overview of the natural, artificial and man-made fibres
- Properties of drylaid applications
- Bi-component fibres
- Future of man-made fibres
- Workshop: fibres identification

12.30



Lunch break

13.30

CARDING FEEDING

- From the staple fibre to the carding feeding
- Technologies of fibres blending and opening
- Processes by fibre properties
- Opening and blending equipment discovery

CARDING PROCESS

- From the feeding to carded web
- Detailed explanations of each part, option, design, setting in the process
- Process management for each fibre

17.30



Wrap-up and end of the day

DAY 2

09.00

TRIALS USING CARDING PROCESS AND DEDICATED BONDING TECHNOLOGY

- Trials elaboration depending of the fibres choice
- Fibre blending and opening role in the carding process
- Carding parameters adjustments and consequence on process and product

12.30



Lunch break

13.30

TRIALS USING CARDING PROCESS AND DEDICATED BONDING TECHNOLOGY

- Comparison of the main carding parameters process depending on fibre use
- Laboratory analysis on a nonwoven

16.30

End of the course

FACT FILE

WHO SHOULD ATTEND?

Process Engineers, Product Managers, Raw Materials Managers, R&D Managers, QA Managers, as they are likely to be involved with producers, suppliers, converters and brand retailers within the industry.

COURSE INSTRUCTORS

Guillaume Cambronne – Fibres Engineering Manager. Guillaume graduated from ENSAIT and joined CETI in 2016, now managing all fibres projects thanks to the complete Drylaid Nonwoven pilot platform and mechanical textile platform. He has acquired experience and expertise in fibres, transforming textile processes, product development and market analysis.

Thibaut Dedeurwaerder – R&D Project Manager. Thibaut obtained a Bachelor's Degree in innovative textiles from ENSAIT. He is now working at CETI as Project Manager on methods and industrial transfer. Thanks to a previous career in paper and printing industries, he has moved to the textile industry by passion to contribute to create tomorrow's textiles. Thibaut gained expertise in fibres, transforming textile processes and product development.

Moussa Benbalouli – Fibres Technician. Moussa is a highly experienced expert in carding nonwovens with over 30 years of hands-on experience in the industry. Throughout his career, he has worked at Andritz Asselin-Thibeau, where he held key roles as both a Machine Fitter and Chief Operator. Moussa joined CETI 12 years ago and is the technician in charge of the carding process.

LANGUAGE

The course language is exclusively in English.

METHODOLOGY

A course based on the combination of in-person training, information exchange and interaction with the CETI instructors and fellow participants. Use of different supports: video, pictures, samples, pilot equipment.

NUMBERS OF PARTICIPANTS

Each course is limited to 6 participants for optimal interaction between the participants and the CETI staff during the course and the workshop on the platform in operation.

LEVEL OF THE COURSE

In order to fully benefit from this course, it is recommended to have a good understanding of nonwovens manufacturing. It is also recommended to attend the Nonwovens Essentials course before joining any of the advanced courses.

VENUE

CETI
41 rue des Métissages
F-59200 Tourcoing
(25 min by car from Lille city centre)

ACCOMMODATION

A list of recommended hotels is available on the EDANA webpage.

REGISTRATION FEE

Visit the EDANA website for more information about the registration fees. EDANA members benefit from a discounted rate.

For further information,
please contact:
Anaëlle Schütz
anaelle.schutz@edana.org

For more information
about EDANA,
please visit our website:
www.edana.org