CONBILITY®
PRODUCING IDEAS

Conditions

Module 1

Fee per participant:

1.950 €
excl. VAT

Module 2

Fee per participant:

1.650 €
excl. VAT

Module 1+2

Fee per participant:

2.900 €
excl. VAT

cost saving
700 €

Module 3

Fee per company:

5.900 €
excl. VAT, valid in combination with Module 1 or 2

cost saving 2.100 €

(in comparison to our standard machine rate of 125 € / hour)

CONBILITY®
PRODUCING IDEAS

Your Contact

Please contact us for further information:

Dr.-Ing. Michael Emonts
Phone: +49 172 720 7681
michael.emonts@conbility.com

Venue
Conbility GmbH, Technologiepark TPH,
Kaiserstraße 100, 52134 Herzogenrath, Germany

Seminar Language
All lectures are presented in English with simultaneous translation into Mandarin

Registration form
Please send us this registration form to **info@conbility.com** or via fax to **+49 241 80 6 24505**
Once you have signed up, you will receive a confirmation of participation as well as your invoice. Registration deadline: January 31st 2020 (limited to 60 participants).

☐ **Yes, I (we) want to participate.**
We hereby order bindingly:
☐ **Module 1** ☐ **Module 2** ☐ **Module 3**

Number of participants:

Company Name, postal Adress

Name of participants

Email, Phone

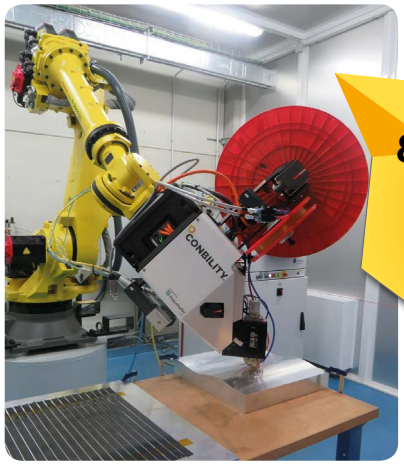
Date, Name, Signatur

CONBILITY®
PRODUCING IDEAS

Join and Benefit

Technology Excellence Training Program

Laser-assisted Thermoplastic Tape Processing with in-situ Consolidation



March 8th - 13th 2020
Conbility Tech-Center
Herzogenrath, Germany

3D Placement and Winding

Limited to 60 participants

2D Placement for Tailored Blank Production

CONBILITY®
PRODUCING IDEAS

Content

Module 1 Technology Seminar

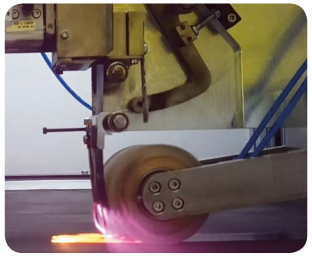
3 days-seminar and
1 day networking event (optional)

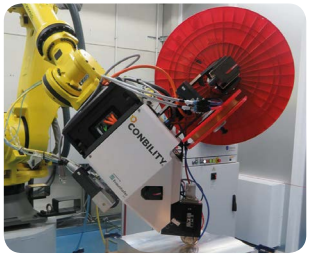
Sun., March 8th 2020 (optional)
Networking event: city tour (historical city of Aachen) and evening dinner

Mo., March 9th 2020
Seminar „technology basics“ and
practical session: „machine system“

Tue., March 10th 2020
Seminar „markets and suppliers“ and
practical session: „tape processing“

Wed., March 11th 2020
Practical sessions: economical evaluations, ply-book definition, machine programming and laminate production





CONBILITY®
PRODUCING IDEAS

Content

Module 2 Deep-Tech Days

2 days „Deep-Tech Know-how TRANSFER“

Thu., March 12th 2020
Rigging and optimizing of the laser-assisted process control system

Fr., March 13th 2020
Manufacturing of laminates with different geometries and tape materials

Module 3 Individual Tech Days

64 machine hours for each company per year at reduced costs and with individual support*

- Manufacturing capacity of our tape processing machines
- Individual supervising of your employees on our machines or job shop laminate production by our team according to your requirements
- Time slots to be defined individually

*additional machine capacities can be booked separately (125 € / hour)

CONBILITY®
PRODUCING IDEAS

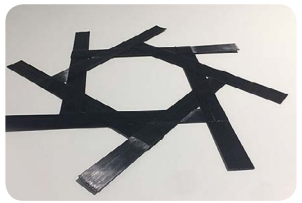
Your Benefits

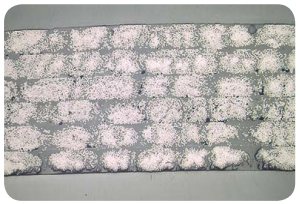
Your Application Potentials
- Local stiffening of injection molded parts for cost reduction, wall thickness reduction or substitution of stiffening ribs: potential mass markets, e.g. electronics, consumer goods
- Production of tailored and waste-optimized thermoplastic UD-sheets for subsequent thermoforming processes

The Technology
Laser-assisted placement of thermoplastic tapes offer various advantages:
- Energy efficient heat input
- Robust: closed-loop control of laser power
- In-situ consolidation: no subsequent time and cost consuming consolidation processes needed
- User friendly: industrial standard control and HMI, laser safe machine setup (laser safety class 1)
- Production of laminates with different thickness areas
- Flexible usage of different tape widths

Our Approach
With our **Technology Excellence Partnership Training Program** we want to introduce into the technology and furthermore we want to realize a user experience by our practical sessions with our machine systems. Furthermore, we will supervise and care for the participants demands and requirements, e.g. regarding their material or part requirements.

Our aim is to generate trust in the technology by technology know-how transfer and technology experience





Tailored thermoplastic composite laminates: produced by laser-assisted tape placement with in-situ consolidation