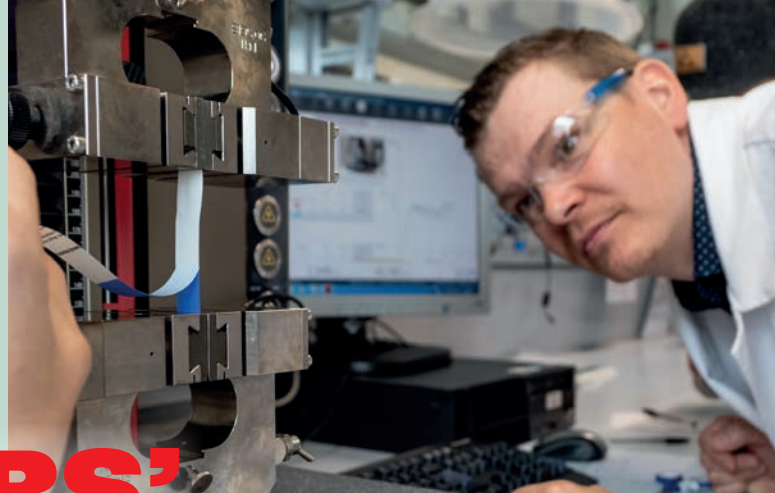




# HENKEL CONVERTERS' ACADEMY

**Certified training in the  
adhesive lamination process**



Certificate: **"Specialist in Lamination Techniques for Flexible Packaging"**

Certified by: Industrie- und Handelskammer zu Düsseldorf (IHK),  
also known as Chamber of Commerce and Industry (CCI)



Industrie- und Handelskammer  
zu Düsseldorf



**The trainings take place in the  
headquarters of Henkel in Düsseldorf.**

# HENKEL CONVERTERS' ACADEMY

**The Converters' Academy from Henkel is an ongoing, topic specific professional training program that benefits the entire value chain. Material suppliers, converters and consumer goods manufacturers receive knowledge related to flexible packaging.**

## The training course

Since 2009 Henkel is offering the training course "Specialist in Laminating Techniques for Flexible Packaging (CCI)". In cooperation with the IHK Düsseldorf (Chamber of Commerce and Industry), this Converters' Academy training course thoroughly qualifies an operator in the area of adhesive laminations.

## Stay informed

Visit our website to get more information on contents, upcoming training courses and conditions of the Henkel Converters' Academy.

[www.henkel-adhesives.com/converters-academy](http://www.henkel-adhesives.com/converters-academy)



# IHK (CCI) CERTIFICATE IN LAMINATION TECHNIQUES

The training course “Specialist in Lamination Techniques for Flexible Packaging” has been developed in cooperation with the IHK Düsseldorf (Chamber of Commerce and Industry). It is designed for those directly involved in the creation of flexible packaging materials:

- › Operators
- › Quality control personnel
- › Project engineers
- › Process engineers
- › Manufacturing supervisors

From this Converters' Academy course, companies will benefit through the knowledge gained by the students they employ.

## Why is IHK (CCI) Düsseldorf involved?

The IHK Düsseldorf (Chamber of Commerce and Industry) is widely recognized and respected for its certification programs. This reputation for outstanding programs in further education is known not only in Germany, but also in other European countries. Once you are certified as “Specialist in Lamination Techniques for Flexible Packaging”, it is ensured that you will have an excellent foundation of knowledge. This certification will enhance your reputation for your customers, as employees will receive an economical outsourcing of training that will enable them to document their high level of expertise.

**The IHK (CCI) certificate test takes place at the end of the second week.**



## What is the training all about?

The class consists of a two week comprehensive course (one week at a time, 4 to 6 weeks apart) in dealing with lamination for flexible packaging.

Most mornings include theoretical teachings from Henkel experts. In the afternoons participants will do hands-on training in the technical service center.

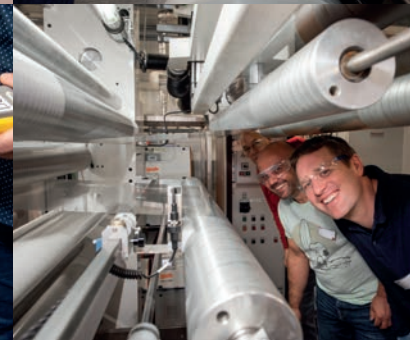
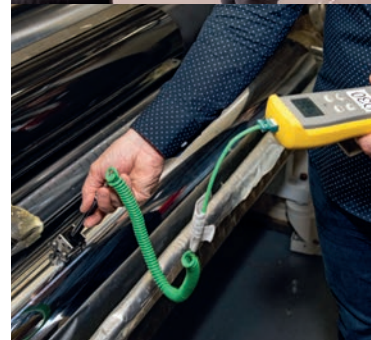
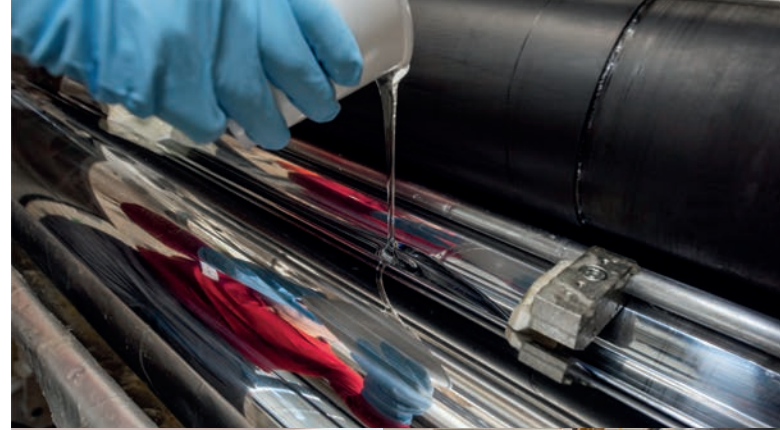
## How will you learn?

As mistakes are actually one foundation for learning, the practical training will use machines from Henkel to demonstrate the most common mistakes and offer corrective solutions.

These practical exercises are always conducted in small groups, with an assigned mentor to ensure that learning objectives are achieved. At the end of the course, each student will receive the course manual, containing all presentations.

**Studies have shown that people learn best not from reading or from watching, but from actually doing.**

**The concept of the Henkel Converters' Academy is based on this approach.**





# TOPIC OVERVIEW

## WEEK 1

<b>Why laminations are made?</b>	<ul style="list-style-type: none"><li>› Flexible packaging versus other types of packages</li><li>› Different substrates offer different features</li></ul>
<b>Substrates</b>	<ul style="list-style-type: none"><li>› Manufacturing, properties, types</li></ul>
<b>Adhesives</b>	<ul style="list-style-type: none"><li>› Technologies (solvent-based, solvent-free, water-based)</li><li>› Handling (mixing, data sheet review etc.)</li></ul>
<b>Dosing units</b>	<ul style="list-style-type: none"><li>› Basics, cautions, important operating instructions</li></ul>
<b>Curing</b>	<ul style="list-style-type: none"><li>› Conditions and challenges</li></ul>
<b>Test methods</b>	<ul style="list-style-type: none"><li>› Bond strength, seal strength</li></ul>
<b>Failure mode analysis, troubleshooting overview</b>	<ul style="list-style-type: none"><li>› Batch card</li><li>› Laminating with solids, on/off ratio</li></ul>
<b>Troubleshooting</b>	
<b>Practical training</b>	

## WEEK 2

<b>Machine parameters and how they influence the lamination</b>	
<b>Web handling</b>	<ul style="list-style-type: none"><li>› Interaction between films and rollers</li><li>› Web tension</li><li>› Winding</li></ul>
<b>Rollers</b>	<ul style="list-style-type: none"><li>› Different roller types</li></ul>
<b>Rolling, curling and other web defects</b>	<ul style="list-style-type: none"><li>› Solutions and preventions</li></ul>
<b>Optics</b>	<ul style="list-style-type: none"><li>› Wetting, orange peel, wrinkling</li><li>› Solutions and preventions</li></ul>
<b>Practical training</b>	
<b>IHK (CCI) Certificate Test</b>	

# PARTICIPANT REFERENCES



**Sascha Berger**

Siegwerk Druckfarben AG & Co. KGaA

*"Siegwerk has a long history of co-operation with Henkel. I wanted to verify and extend my own knowledge and gain new insights. Contents are taught in a casual, yet professional manner, easy to understand and always with a focus on the students. All teachers are absolutely proved and perform at their best. Even inexperienced students do not get lost in the many technical topics. Experienced persons like me can learn a lot and profit from the detailed explanations and insights. The entire course was perfectly organized and never boring! Henkel offers a good infrastructure and more than perfect conditions for a training in the classroom and on the machines. The stay in the close by hotel made it round. Thank you very much!"*



**Karl Bruder**

O. Kleiner AG

*"I have been working in "lamination" and Flexible Packaging since only one month! My new boss has suggested the course to get a quick start into my new work life. I would recommend this course to my colleagues because there is a huge knowledge transfer during these two weeks. On top, getting to know new people from Henkel and other companies is interesting. For me, as a complete newcomer, it was difficult to follow in the first week, having no experience at all in this field. For a smoother start, it would have been better to work some months in lamination first. On the other hand, this course saved me at least 6 months of learning "on the job" due to the condensed and structured knowledge transfer."*



**Sandra Manowski**  
Südpack Medica AG

*"I wanted to deepen and intensify my knowledge on lamination. My future tasks in medical applications will mainly deal with converting, so this seminar was perfect choice for me. All teachers are very open-minded and share their knowledge and experience with dedication, being able to answer each and every question. Troubleshooting is a big part of the course, which is especially important to me, same as the concrete examples. I would have liked to go through all different lamination types in real life, but of course, there was no time for this. We received detailed handouts and documentation. Thank you for this interesting seminar and the open-mindedness of everyone involved."*



**Bastian Münich**  
Rolf Bayer Vacuumverpackungen GmbH

*"I have been working in "lamination" and Flexible Packaging for 25 years. I participated in this course to gain more and deeper knowledge. The lessons are clear and close to the practical life. Many tips and suggestions that I will put to life in my company. We learnt a lot here, that I would never get to know in my everyday work. And you are a really nice and friendly team. During these two weeks I was in good hands and have learnt a lot. Thank you!"*

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CONTACT US FOR FURTHER INFORMATION

## **Venue**

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