



Reifenhäuser

The Extrusioners

# AR:DEL

## The Reifenhäuser Academy

Product Catalogue (Reifenhäuser Blown film)



# AR:DEL – The Reifenhäuser Academy



↓ → *Digital Education & Learning*  
*stands for our founder Anton Reifenhäuser*

## What is AR:DEL?

AR:DEL - The Reifenhäuser Academy prepares companies and employees for future professional challenges. We offer a wide range of training formats to build up basic knowledge, deepen existing qualifications and expand new competences.

## What makes us special?

- ✓ Innovative, tailor-made training to enable your staff to operate and manage the line perfectly and increase your OEE
- ✓ Experienced and motivated trainers
- ✓ Each training with final test and certification

## Our passion:

### **We don't think learning just once.**

Our products ensure the quality of your staff for the long term.  
Onboarding new employees has never been easier for you.





# AR:DEL – The Reifenhäuser Academy

## Our learning methods

- ✓ Our trainings are **innovative** and varied. Flexible availability and **tailor-made** to your line configuration
- ✓ After live-Training the content is 24/7 **available on-demand** (refreshing knowledge & On-Boarding new employees)
- ✓ We bring the **knowledge** directly to the line, **integrated into the daily work** with your extrusion line.

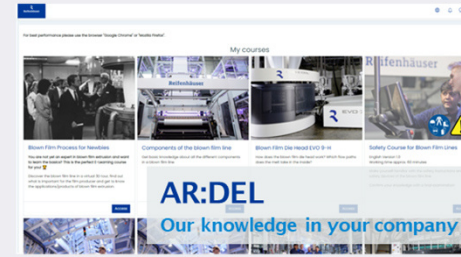
### In-presence training



### Practical training on lines



### Learning Platform after training



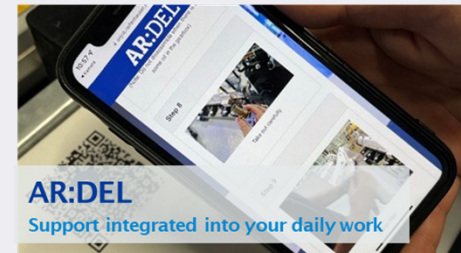
### Technical online trainings



### Certification and evaluation



### On-the-job support at the line





# AR:DEL – The Reifenhäuser Academy

## Our products at a glance

### Face-to-face/Presence Training (always with AR:DEL Trainer + Process engineer)

Product	Facts	Price	Page
<b>Successful operation of your blown film line</b>	1 week, in Germany, resin is provided by RH & 1 year ADVANCED access to our online learning Platform	23.500 €* (for 6 participants)	8
	1 week, in Germany, resin is provided by Customer & 1 year ADVANCED access to our online learning Platform	15.000 €* (for 6 participants)	8
	1 week, at customer site & 1 year ADVANCED access to our online learning Platform	18.500 €* (Not limited)	9
<b>Successful electrical service of your blown film line</b> 	3 days, in Germany	9.600 €* (for 6 participants)	10
<b>Machine operator blown film lines (Certified by TÜV)</b> 	1 week, open industry blown film training in Germany	4.125 €* (for 1 participant)	11

\* All prices are net excluding VAT.

#### Note:


- products are combinable
- Validity of conditions and prices until 30.06.2023
- Deviating requests to [ardel@reifenhauser.com](mailto:ardel@reifenhauser.com)



# AR:DEL – The Reifenhäuser Academy

## Our products at a glance

### Online Training

Product	Facts	Price	Page
Online Academy <b>Successful operation</b> of your blown film line	Tailor-made online Live-sessions + E-Learning & 1 year ADVANCED access to our online Learning Platform <i>Applies to your entire BF line (so the courses below do not have to be booked separately)</i>	4.700 €* (per company)	12
Expert in <b>EVO Ultra Flat</b>	2h online live-session & 1 year E-Learning online (to refresh the topic)	930 €* (per company)	13
Expert in <b>MDO technology</b> ( <b>EVO Ultra Stretch</b> ) 	3h online live-session & 1 year E-Learning online (to refresh the topic)	1.250 €* (per company)	13

\* All prices are net excluding VAT.

#### Note:



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- Validity of conditions and prices until 30.06.2023
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# AR:DEL – The Reifenhäuser Academy

## Our products at a glance

### Digital products: On-Demand Support & E-Learning

Product	Facts	Price	Page
<b>Starter access to Online Learning Platform*</b>  <p><small>*Our face-to-face and online training contain further ADVANCED content in the online learning platform</small></p>	<u>On-Demand learning:</u> <ul style="list-style-type: none"> <li>- Blown Film Process for Newbies</li> <li>- Safety Training for your Blown Film Line</li> <li>- Troubleshooting Guide</li> <li>- Maintenance Guide</li> </ul>	950€* (per year, 5 Accounts)	14
<b>AR:DEL on-the-job</b> 	Digital support directly integrated in everyday work at the line	On request (Early Bird Price at K-Show 2022)	15

\* All prices are net excluding VAT.

#### Note:

- products are combinable
- Validity of conditions and prices until 30.06.2023
- Deviating requests to [ardel@reifenhauser.com](mailto:ardel@reifenhauser.com)



# AR:DEL Products - Onepager

## AR:DEL Academy in R&D Center (Germany) Successful operation of your blown film line



Spend a valuable and pleasant training week with essential theory & hands-on training on a Reifenhäuser line

### Benefits:

- ✓ Operators can prepare, start-up, shut-down and flush the line most efficiently
- ✓ Films are produced with higher output and quality
- ✓ Maintenance and service at the line is done accurate, efficient and timely
- ✓ Trouble-free operation of the safety devices
- ✓ Identify and solve process-related problems (Troubleshooting)

*Academy specially developed for the blown film line and training needs of the customer!*

### Key facts:



✓ **Duration:**  
5 days

✓ **Location:**  
Headquarter  
in Troisdorf, GER



✓ **Additional:**  
Access to our online  
Learning platform  
for 1 year  
(max. 6 participants)



✓ **Language:**  
English, German



✓ **Machine technology:**  
Blown film  
(EVOLUTION & EVO)



✓ **Participants:**  
Max. 6 participants

✓ **Target group:**  
Machine Operators, shift  
manager & production  
manager



✓ **Price:**  
23.500 €\*  
(Resin is provided by RH)  
  
15.000 €\*  
(Resin is provided by Customer)

\* All prices are net excluding VAT. The price includes daily lunch and one evening event. Travel and accommodation costs are not included.



## AR:DEL Academy at customer site

### Successful operation of your blown film line



An experienced trainer and technician provides high-quality training and identifies potential for optimisation of the customer's line

#### Benefits:

- ✓ Operators can prepare, start-up, shut-down and flush the line most efficiently
- ✓ Films are produced with higher output and quality
- ✓ Maintenance and service at the line is done accurate, efficient and timely
- ✓ Trouble-free operation of the safety devices
- ✓ Identify and solve process-related problems (Troubleshooting)

*Academy specially developed for the blown film line and training needs of the customer!*

#### Key facts:



✓ **Duration:**  
4 days

✓ **Location:**  
At customer site



✓ **Additional:**  
Access to our online Learning platform for 1 year (max. 6 participants)



✓ **Language:**  
English, German



✓ **Machine technology:**  
Blown film  
(EVOLUTION & EVO)



✓ **Participants:**  
Not limited

✓ **Target group:**  
Machine Operators, shift manager & production manager



✓ **Price:**  
18.500 €\*

\* All prices are net excluding VAT. Resin costs, electricity, operators to run a blown film line for training purpose and costs for local transportation are not included.

## AR:DEL Academy in R&D Center (Germany) Successful electrical service of your blown film line

Can be ordered separately or as an extended option to the Operator Training in Germany (page 8).



Spend valuable and pleasant days with expert training for the electrical maintenance of your Blown Film line

### Benefits:

- ✓ Employees understand the blown film process and the software and control loops of the Line
- ✓ The functions of the safety devices are understood can be operated without interference
- ✓ Calibration tasks can be carried out without any problems
- ✓ Electrical service at the line is done accurate, efficient and timely
- ✓ Identify and solve electrical-related problems (Troubleshooting)

### Key facts:



✓ **Duration:**  
3 days

✓ **Location:**  
Headquarter  
in Troisdorf, GER



✓ **Additional:**  
Access to our online  
Learning platform  
for 1 year  
(max. 6 participants)



✓ **Language:**  
English, German



✓ **Machine technology:**  
Blown film  
(EVOLUTION & EVO)



✓ **Participants:**  
Max. 6 participants

✓ **Target group:**  
Maintenance employees




✓ **Price:**  
9.600 €\*

\* All prices are net excluding VAT. The price includes daily lunch and one evening event. Travel and accommodation costs are not included.



# AR:DEL certified trainings Machine operator blown film lines (TÜV Germany)



 Get your staff officially certified by TÜV Germany

## What is special about this?

- ✓ Open industry Blown Film Training (independent of your line)
- ✓ Send individual participants instead of purchasing an entire training academy
- ✓ Receive your **certificate after official TÜV examination**

## Available:

Blown Film in first half of 2023, in GER  
Registration to [ardel@reifenhauser.com](mailto:ardel@reifenhauser.com)

## Key facts:

✓ **Duration:**  
5 days

✓ **Location:**  
Headquarter in Troisdorf, GER

+ ✓ **Additional:**  
Access to our online Learning platform for 1 year

✓ **Language:**  
English

✓ **Machine technology:**  
Blown film

✓ **Participants:**  
Max. 8 participants

✓ **Target group:**  
Operators or production manager (Newcomers)

✓ **Price:**  
4.125 €\*  
(for 1 participant)

\* All prices are net excluding VAT. The price includes daily lunch and one evening event. Travel and accommodation costs are not included.

# AR:DEL Online Academy

## Successful operation of your blown film line



Your employees receive high-quality training over 3 weeks, completely online

### Benefits:

- ✓ Operators can prepare, start-up, shut-down and flush the line most efficiently
- ✓ Films are produced with higher output and quality
- ✓ Maintenance and service at the line is done accurate, efficient and timely
- ✓ Trouble-free operation of the safety devices
- ✓ Identify and solve process-related problems (Troubleshooting)

*Academy specially developed for the blown film line and training needs of the customer!*

### Key facts:



- ✓ **Duration:**  
4 x Online Sessions in three weeks

- ✓ **Location:**  
Online



- ✓ **Language:**  
English



- ✓ **Participants:**  
Not limited

- ✓ **Target group:**  
Machine Operators, shift manager & production manager



- ✓ **Additional:**  
Access to our online Learning platform for 1 year (max. 6 participants)



- ✓ **Machine technology:**  
Blown film (EVOLUTION & EVO)




- ✓ **Price:**  
4.700 €\*

\* All prices are net excluding VAT.

# AR:DEL Specialised Online Training

## For different topics



 Book us if you need online training for special Reifenhäuser components. Fast and flexible!

### Available topics:

- ✓ Expert in **EVO Ultra Flat**
- ✓ Expert in MDO technology (**EVO Ultra Stretch**)

Other topics on request...

### Key facts:



- ✓ **Duration:**  
2h till 4h per session  
(depending topic)

- ✓ **Location:**  
Online



- ✓ **Additional:**  
Access to our online  
Learning platform  
for 1 year  
(max. 6 participants)



- ✓ **Language:**  
English



- ✓ **Machine technology:**  
Blown film  
(EVOLUTION & EVO)



- ✓ **Participants:**  
Not limited

- ✓ **Target group:**  
Machine Operators, shift  
manager & production  
manager



- ✓ **Price:**  
930 till 1.250 €\*  
(depending topic)

\* All prices are net excluding VAT.

*Academy specially developed for the blown film line  
and training needs of the customer!*

# AR:DEL Learning Platform

## Turn your staff into trainers for your employees!



### Our special features

- ✓ Content is available on-demand after training
- ✓ Up to date, with many videos and training tools and self-evaluation
- ✓ Knowledge is kept in your company

### Products:

- ✓ **Starter access** to Online Learning Platform - 950€\* (per year, 5 Accesses)
- ✓ **ADVANCED access** to Online Learning Platform - Only available with the live trainings: Successful operation of your blown film line [Face-to-face Training or Online Academy]

### You want to test it?

Log in here as a guest. <https://learning.reifenhauser.com/>

### Some examples (Blown Film):

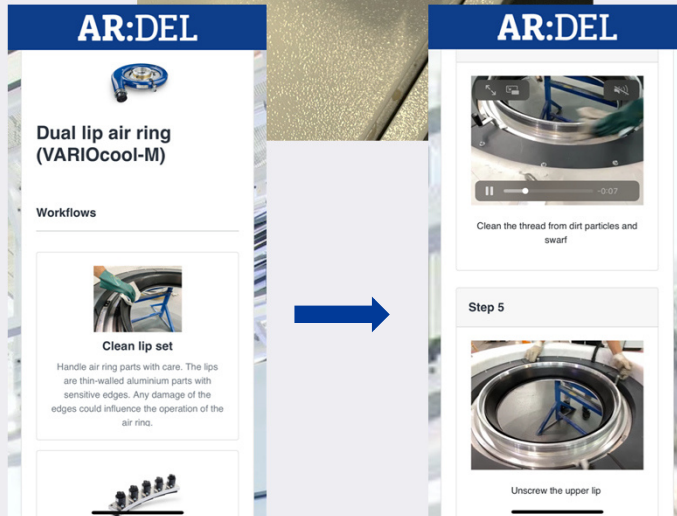
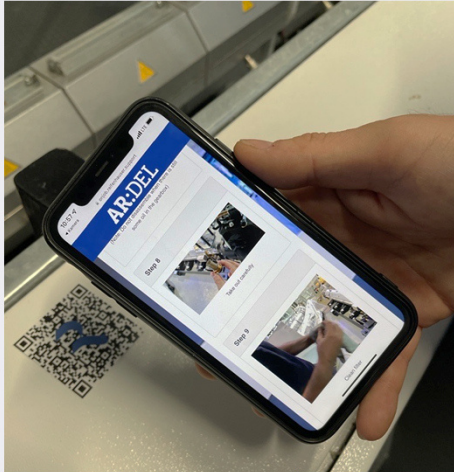
The screenshot displays a 'My courses' section with the following course cards:

- Blown Film Process for Newbies**: You are not yet an expert in blown film extrusion and want to learn the basics? This is the perfect E-Learning course for you! Discover the blown film line in a virtual 3D tour, find out what is important for the film producer and get to know the applications/products of blown film extrusion.
- Components of the blown film line**: Get basic knowledge about all the different components in a blown film line.
- Blown Film Die Head EVO 9-H**: How does the blown film die head work? Which flow paths does the melt take in the inside?
- Safety Course for Blown Film Lines**: English Version 1.0 Working time approx. 60 minutes. Make yourself familiar with the safety instructions and safety devices of the blown film line. Confirm your knowledge with a final examination.
- General Production Know-how**: English Version 1.2. Learn how to operate the blown film line most efficiently and how to use the software assistants. Get knowledge about basic blown film resins, important film properties and how to measure and influence the properties.
- Production of Barrier Films**: English Version 1.1. See what is important in the production of barrier films and which resins are used for blown film applications.
- Final examination and certificate: Blown Film for Operators**: Pass the exam and earn the Reifenhäuser certificate .
- EVO Ultra Stretch**: English Version 1.1. Valuable knowledge for the successful operation of an MDO unit in the blown film process.

\* All prices are net excluding VAT.

# AR:DEL on-the-job

We support you in your daily work!



We also bring the **know-how directly to the line.**

As an operator or maintenance employee, scan the QR code on a line component and **carry out the working steps correctly and quickly** yourself using a visual checklist (images + short videos)

## New product: AR:DEL on-the-job

- ✓ Perfect as a supplement after an academy
- ✓ Knowledge where the OEE is influenced (at the line)
- ✓ Complex workflows simply prepared
- ✓ Multilingual
- ✓ On-boarding your staff has never been easier

### Available:

- Product 1: All maintenance tasks and important service workflows ([available beginning 2023](#))
- Product 2: Process support ([available end 2023](#))



# Learning from the Extrusionneers

Core  
Team  
AR:DEL



Reifenhäuser  
Expert Pool



For more information or booking  
please contact:



[ardel@reifenhauser.com](mailto:ardel@reifenhauser.com)