

Seminar Program 2026

Become a valuable specialist in your company!

Practical and user-oriented - this is how we impart knowledge. Use our know-how for your success.
Efficient, uncomplicated, based on partnership. Directly on our machines, tailored to your needs.
Discover the right training course in our program.

Competent

We have been enthusiastically passing on our specialist knowledge and experience to you in practical training courses since 1959. Our qualified and highly motivated trainers are happy to teach you live at the castFEX headquarters and online on your screen.

Interactive

Our well-equipped technical center offers the ideal platform for practice-oriented teaching and learning. Involving our trainees is a top priority for us. Benefit from this in all classroom training courses.

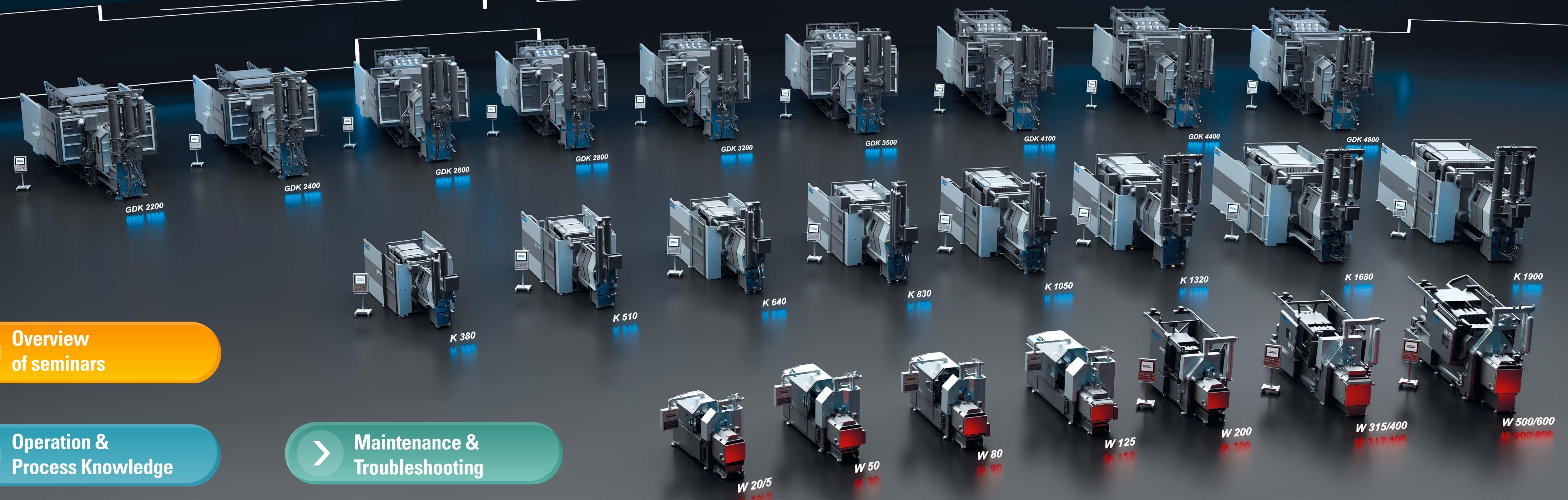
Tailor made

Our range of training courses has been carefully designed to meet the requirements of today's foundry industry. We are also happy to work with you to develop individual training options at our premises or on site.



CLICK TO START

Seminar Program 2026



i Overview
of seminars

➤ Operation &
Process Knowledge

➤ Die Design &
Consulting

➤ Maintenance &
Troubleshooting

➤ Around the Die
Casting Machine

➤ Request
individual seminar

OVERVIEW OF SEMINARS: 1ST HALF OF THE YEAR 2026

FERBRUARY

Tue, 17 th	Presentation of the Frech-Dosing-System FDS®	
Tue, 17 th	Operation of the Frech-Dosing-System FDS®	

MARCH

Thur, 26 th	Maintenance „Compact“ of the Cold Chamber Die Casting Machine (M- and K-Series)	
Tue, 31 st	Maintenance „Compact“ of the Hot Chamber Die Casting Machine	

APRIL

Fri, 17 th	The Assistants: Guided Set-Up of the Hot Chamber Machines	
Mon, 20 th	HOT and COLD CHAMBER „What is it?“	
Mon, 20 th	Thermal Die Design „Compact“ Hot and Cold Chamber	
Tue, 21 st	Geometric Die Design „Compact“ Hot and Cold Chamber	
Wed, 22 nd	Mathematical Die Design „Compact“ Hot and Cold Chamber	
Thur, 23 rd	Interpreting Die Filling Simulations „Compact“ Hot and Cold Chamber	
Tue, 28 th	Temperature Parameters Hot Chamber	
Thur, 30 th	Three Important Screen Pages Hot Chamber	

MAY

Mon, 11 th	New and Proven Heating and Cooling Technology for Hot and Cold Chamber	
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JUNE

Mon, 15 th	Presentation of Frech-Gating-System (FGS)	
Thu, 18 th	Three Important Screen Pages Cold Chamber	



OVERVIEW OF SEMINARS: 2ND HALF OF THE YEAR 2026

SEPTEMBER

Tue, 15 th	Temperature Parameters Hot Chamber
Thur, 17 th	Three Important Screen Pages Hot Chamber
Tue, 29 th - Fri, 02 nd	Process Technology, Latest Developments, Die Design and Consulting Service Hot Chamber and Cold Chamber

SCHEDULED FOR THE SECOND HALF OF THE YEAR 2026:

- Zinc Alloys
- Aluminum Alloys
- Magnesium Alloys

OCTOBER

Thu, 22 nd	Maintenance „Compact“ of the Cold Chamber Die Casting Machine (M- and K-Series)
Fri, 23 rd	Injection Graphics See what happens during the casting process

NOVEMBER

Thu, 05 th	Three Important Screen Pages Cold Chamber
Fri, 27 th	Vacuum Systems for Hot and Cold Chamber

DECEMBER

Fri, 04 th	Maintenance „Compact“ of the Hot Chamber Die Casting Machine
Mon, 07 th	Presentation of Frech-Gating-System (FGS)



Hot Chamber Cold Chamber Both processes

FACE-TO-FACE SEMINAR



CASTFEX HEADQUARTER GERMANY

HOT-COLD CHAMBER PROCESS TECHNOLOGY

Process Technology, Latest Developments, Die Design
and Consulting Service

ⓘ We also offer all fee-based seminars as individual seminars.

ONLINE SEMINARS

HOT CHAMBER TEMPERATURE PARAMETERS

Overview, Setting

HOT CHAMBER 3 IMPORTANT SCREEN PAGES

Calculation, graphic, profile

COLD CHAMBER 3 IMPORTANT SCREEN PAGES

Calculation, graphic, profile

HOT-COLD CHAMBER INJECTION GRAPHICS

See what happens during the casting process

HOT CHAMBER THE ASSISTANTS GUIDED SET-UP

Overview, Setting

HOT CHAMBER PRESENTATION OF THE FRECH-DOSING-SYSTEM FDS®

Structure and function

HOT CHAMBER OPERATION OF THE FRECH-DOSING-SYSTEM FDS®

Structure, handling, operation and setting

ⓘ We also offer all fee-based seminars as individual seminars.

Process Technology, Latest Developments, Die Design and Consulting Service Hot Chamber and Cold Chamber

(P-GB-Wk-Kk-Seminar)

TARGETS

A successful foundry needs everything: deep process knowledge, skilled operators and a strong maintenance group. However, the die is at the heart of the process and has to be designed professionally. We discuss new developments, experiences and trends in the diecasting industry with our participants during the lessons and breaks. Our various evening events are also a very important part of our traditional 4-days face-to-face seminar.

CONTENT

Day 1 and 2 - Process Days HC/CC:

- Shot End, Casting Parameters
- Adjustment Possibilities, Quality Control
- Casting Defects in Theory and Practice
- Casting Experiments

Day 3 and 4 either die design and consulting or Deep Practical Session HC:

Die Design and Consulting HC/CC:

- Die Temperature Control
- Runner, Gate Design, Flow
- Engineering, Ventilation
- Simulation Interpretation
- Mathematic Calculations
- Consultation Service

Deep practical session for the Hotchamber process:

- Practical set up procedure of a new die with and without „The Assistance“
- How to set a brake
- Temperature check
- The injection graphics
- Cycle time optimisation



NOTES

Meeting point: castFEX headquarter in Winterbach, Germany.
Participants will individually be divided in Hot and Cold Chamber groups.
Please advice when booking. For day 3 and 4 we offer 2 topics in parallel.
Please make up your mind which one you would like to attend.

Participants are invited to bring die casting parts incl. runner to the seminar.



TARGET GROUP

Operators, die designers, foundry specialists
and quality staff



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

Sept. 29th - Oct. 2nd, 2026
Morning: 9:00 a.m.
Europe, Berlin

[REGISTRATION](#)



PRICES

Costs per person:
4 days 1.990,00 €
Additional persons from the same
company 1.790,00 €
**Please note: These prices are subject
to 19% VAT**

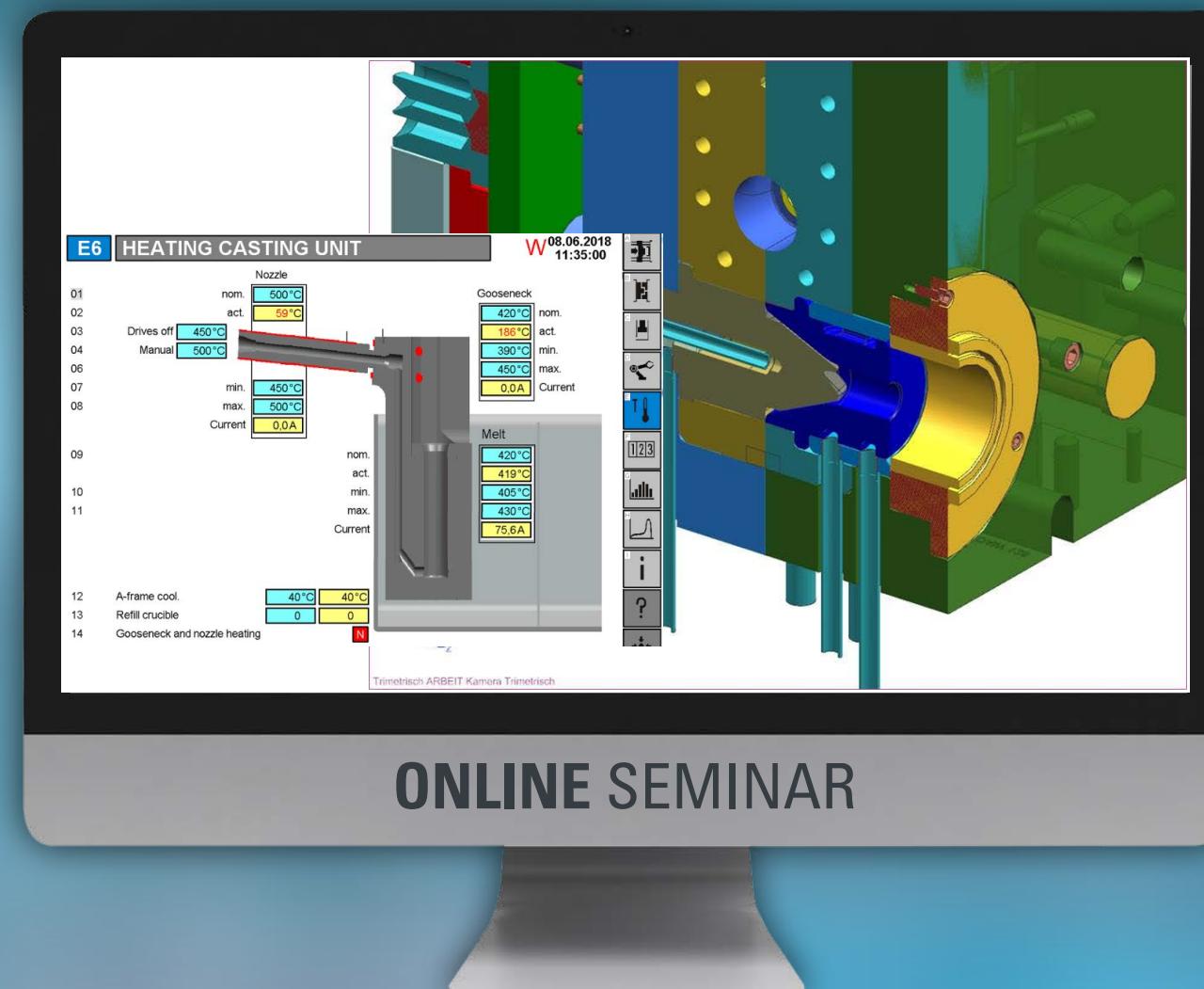
Temperature Parameters Hot Chamber (O-GB-Wk-Temp-Para)

TARGETS

Die casting is a temperature-dependent process. At the end of this online seminar, your employees will be able to understand the complex temperature balance in the casting process, to adjust it and to identify the temperature-relevant problems.

CONTENT

- Quality-related temperature parameters in hot chamber die casting, their effects and the systematic procedures for optimization
- Avoiding cold flow and bubbles with correct temperatures
- Influence of temperature parameters on cycle time
- Freezing nozzle tips: Effects and troubleshooting
- Sprue bush and distributor cooling
- Die preheating, tempering and cooling
- Tempering with water or/and oil
- Correct selecting and connecting thermal connections with pipes, hoses and couplings



TARGET GROUP

Machine operators, machine setters, quality management staff, tool makers, Die Designers



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

1st date: Apr. 28th, 2026
Morning: 9:00 a.m.
Europe, Berlin

Duration: 3 hours

[REGISTRATION](#)

2nd date: Sept. 15th, 2026
Morning: 9:00 a.m.
Europe, Berlin

Duration: 3 hours

[REGISTRATION](#)



PRICES

480,00 € / access

Three Important Screen Pages Hot Chamber (0-GB-Wk-3Screens)

TARGETS

There are three elementary important screen pages in die casting: Casting parameter calculation, profile input and injection graphics. The aim of this online seminar is to enable your employees to understand and use these three important screens for process setting.

CONTENT

- Together with the injection graphic, the casting parameter calculation is required for correct profile input
- Setting of 1st phase speed
- Setting of 2nd phase starting point and speed
- Identifying the braking point for ShotStop and RC machines
- Monitoring of the nozzle tip with regard to freezing zinc (P0)
- Positioning of the limit lines for correct visualization of the casting process
- Monitoring of a constant casting process using the limit lines
- Reading, understanding and interpreting the injection graphic



TARGET GROUP

Machine operators, machine setters, quality management staff



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

1st date: Apr. 30th, 2026
Morning: 9:00 a.m.
Europe, Berlin
Duration: 3 hours

[REGISTRATION](#)

2nd date: Sept. 17th, 2026
Morning: 9:00 a.m.
Europe, Berlin
Duration: 3 hours

[REGISTRATION](#)



PRICES

480,00 € / access

Three Important Screen Pages Cold Chamber (O-GB-Kk-3Screens)

TARGETS

There are three elementary important screen pages in die casting: Casting parameter calculation, profile input and injection graphics. The aim of this online seminar is to enable your employees to understand and use these three important screens for process setting.

CONTENT

- Together with the injection graphic, the casting parameter calculation is required for correct profile input
- Setting of 1st phase speed
- Setting of 2nd phase starting point and speed
- Identifying the braking point
- Adjusting the final pressure
- Positioning of the limit lines for the correct visualization of the casting process
- Monitoring a constant casting process using the limit lines
- Reading, understanding and interpreting the injection graphic



TARGET GROUP

Machine operators, machine setters, quality management staff



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

1st date: June 18th, 2026
Morning: 9:00 a.m.
Europe, Berlin
Duration: 3 hours

[REGISTRATION](#)

2nd date: Nov. 05th, 2026
Morning: 9:00 a.m.
Europe, Berlin
Duration: 3 hours

[REGISTRATION](#)



PRICES

480,00 € / access

INJECTION GRAPHICS

See what happens during the casting process (O-GB-Wk-Kk-graphics)

TARGETS

With the injection graphics, the casting process becomes transparent and better understandable. It serves as an adjustment guide and is a valuable measuring tool for monitoring the casting process. With the curve history, you can see at a glance how steadily the casting process is progressing. For those who need to measure more precisely, envelope curves are available.

CONTENT

- We explain how to measure, adjust and monitor the filling process using the injection graphics
- The meaning of the limit lines
- Reading and understanding speed and pressure curves
- Reference curves
- Curves History
- Envelope curves



TARGET GROUP

Machine operators, machine setters, quality management staff, foundry manager



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

Oct. 23rd, 2026
Morning: 9:00 a.m.
Europe, Berlin
Duration: 30 minutes

[REGISTRATION](#)



PRICES

Free of charge

Insight,
Perspective,
Foundry View

Presentation of the Frech-Dosing-System FDS® (O-GB-Wk-FDS-Info)

TARGETS

We present the new patented FRECH dosing system FDS® for zinc hot chamber machines. The process innovation revolutionizes the hot chamber casting process with the active melt filling valve.

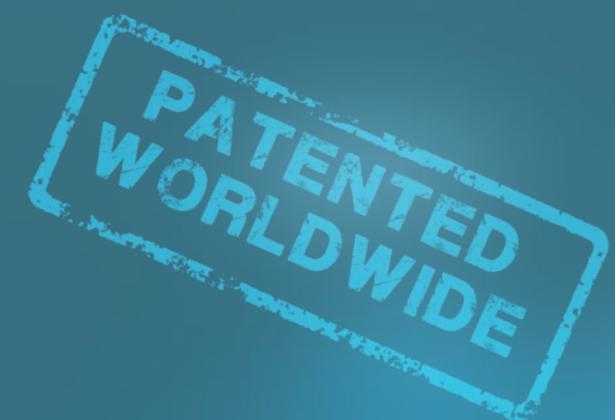
CONTENT

- Functionality of the FDS® system
- Differences to the conventional casting system
- Features and advantages
- Upgrading possibilities



TARGET GROUP

All those who are interested in this new FDS® system



EVENT DATE

1st date: Feb 17th, 2026
Morning: 8:00 a.m.
Europe, Berlin
Duration: 30 minutes

2nd date: Feb. 17th, 2026
Afternoon: 3:00 p.m.
Europe, Berlin
Duration: 30 minutes

[REGISTRATION](#)

[REGISTRATION](#)



PRICES

Free of charge



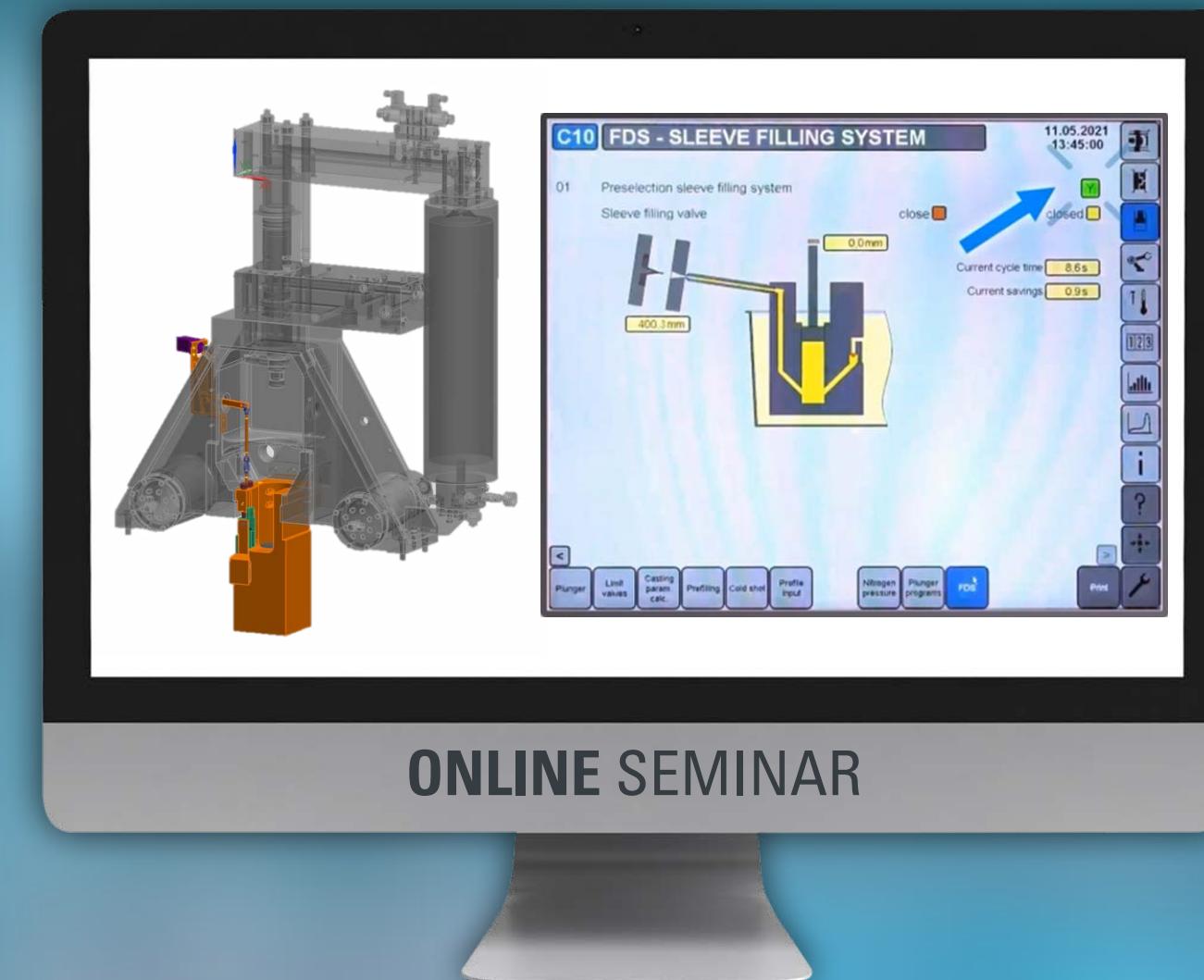
Operation of the Frech-Dosing-System FDS® (O-GB-Wk-FDS-Profi)

TARGETS

The new FDS® system can be activated in just a few simple steps. We explain the functional principle and the input options so that the FDS® system can be set quickly and correctly.

CONTENT

- How the FDS® system works
- Differences to the conventional casting system
- Features and advantages
- Upgrading possibilities
- Handling, operation and adjustment
- Dependency of component characteristics on achievable improvements with FDS®



FDS TRAILER



TARGET GROUP

All FDS® users
Operators and setters who manage
the FDS® system



PREVIOUS KNOWLEDGE

Basic knowledge of hot chamber
die casting is required



EVENT DATE

Feb. 17th, 2026
Morning: 10:00 a.m.
Europe, Berlin
Duration: 2 hours

[REGISTRATION](#)



PRICES

320,00 € / access

The Assistants - Guided Set-Up of the Hot Chamber Machine

(O-GB-Wk-Assistants)

TARGETS

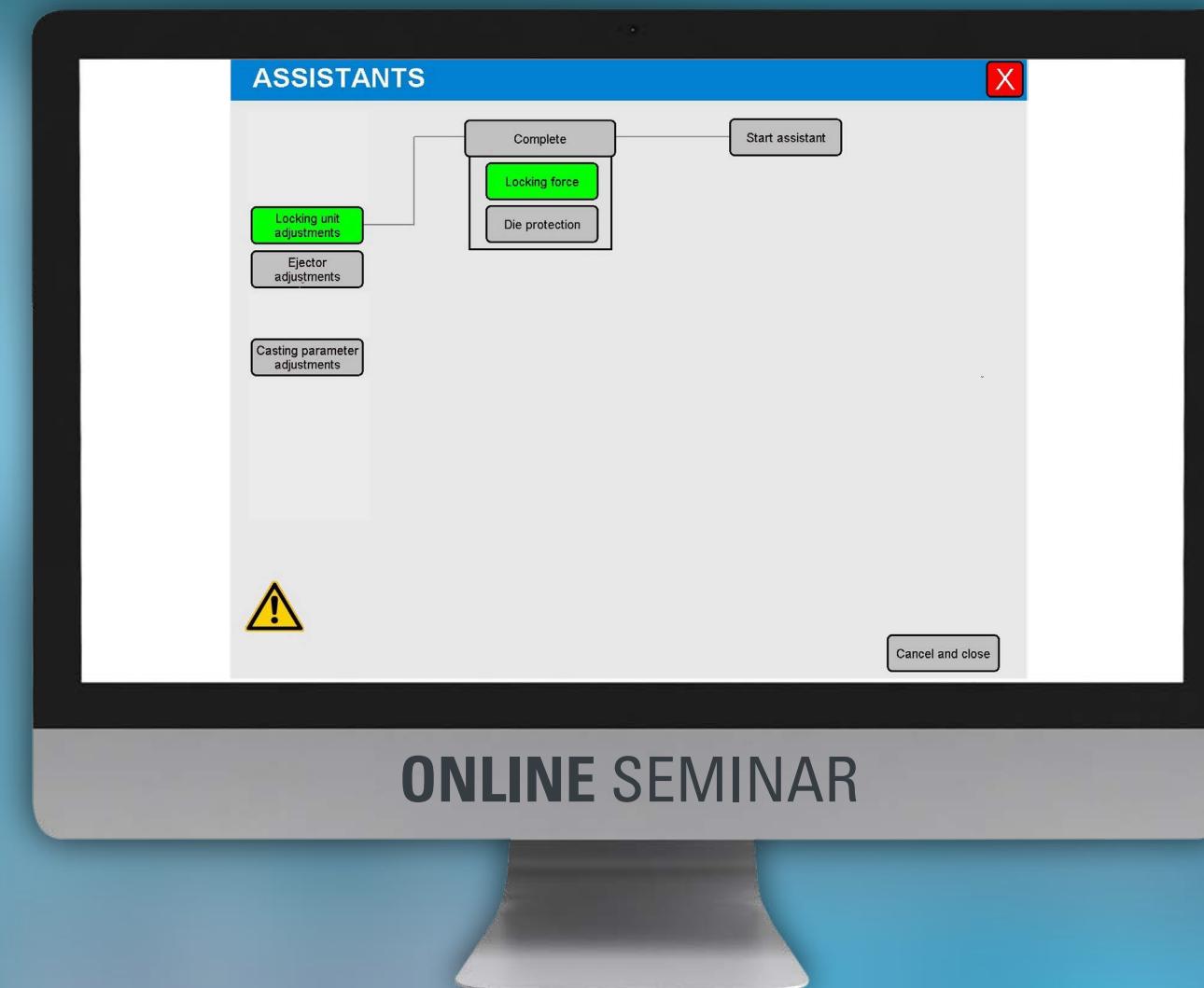
Setting up a die casting machine is a very complex process. The assistants guide less experienced operators safely through the set-up process. The control system automatically switches to the relevant screen pages and many setting steps are carried out automatically.

The experienced caster is made aware of unknown machine functions and thus utilizes the potential of the machine. The standardization of the setting avoids large variations in quality.

The installer can adjust the settings individually at any time.

CONTENT

- We explain the structure of the assistants
- In a livestream from our technical center we will adjust the casting unit and the clamping unit with the ejector



TARGET GROUP

Casters, setters, foundry managers, quality assurance



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

1st date: Apr. 17th, 2026
Morning: 8:00 a.m.
Europe, Berlin
Duration: 45 minutes

[REGISTRATION](#)

2nd date: Apr. 17th, 2026
Afternoon: 3:00 p.m.
Europe, Berlin
Duration: 45 minutes

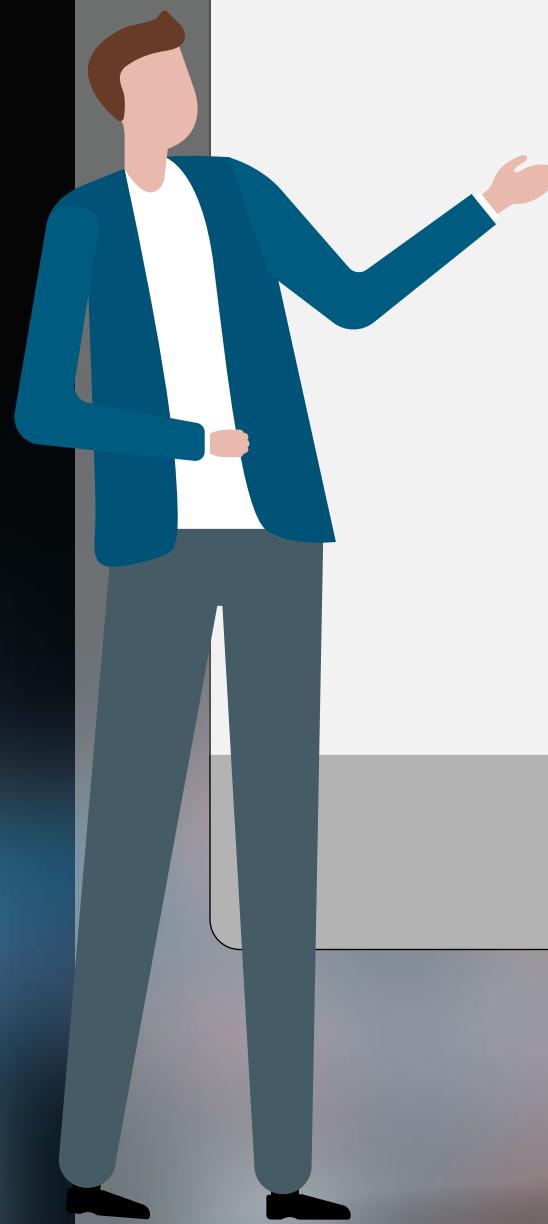
[REGISTRATION](#)



PRICES

Free of charge

FACE-TO-FACE SEMINAR



CASTFEX HEADQUARTER GERMANY

HOT-COLD CHAMBER PROCESS TECHNOLOGY

Process Technology, Latest Developments, Die Design and Consulting Service

ⓘ We also offer all fee-based seminars as individual seminars.

ONLINE SEMINARS

HOT-COLD CHAMBER DIE DESIGN COMPACT PART 1

Thermal

HOT-COLD CHAMBER DIE DESIGN COMPACT PART 2

Geometrical

HOT-COLD CHAMBER DIE DESIGN COMPACT PART 3

Mathematical

HOT-COLD CHAMBER INTERPRETING DIE FILLING SIMULATIONS

Read and understand

HOT CHAMBER PRESENTATION OF FRECH- GATING-SYSTEM (FGS)

Function and Application

ⓘ We also offer all fee-based seminars as individual seminars.

Thermal Die Design „Compact“ Hot and Cold Chamber

(O-GB-MtWk-Kk-Therm)

TARGETS

Die casting is a temperature-dependent process and requires careful design, placement and conceptualization of tempering channels. We explain the most important relationships, so that the chapter „thermal design“ can be included in the designer's to-do-list.

CONTENT

- Dimensioning and design of tempering channels
- Determination of the necessary capacity of heating and cooling units
- Contour-based tempering completes classic tempering systems

Note

In addition to this online module we offer 2 further modules for geometric and mathematical die design. **As an alternative or in addition we offer our Hot-Cold Chamber Process Technology face-to-face seminar.**



ONLINE SEMINAR



TARGET GROUP

Developers, die designers, technologists, quality management staff



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

Apr. 20th, 2026
Morning: 9:00 a.m.
Europe, Berlin
Duration: 3 hours

REGISTRATION



PRICES

480,00 € / access

Geometric Die Design „Compact“ Hot and Cold Chamber

(O-GB-MtWk-Kk-Geo)

TARGETS

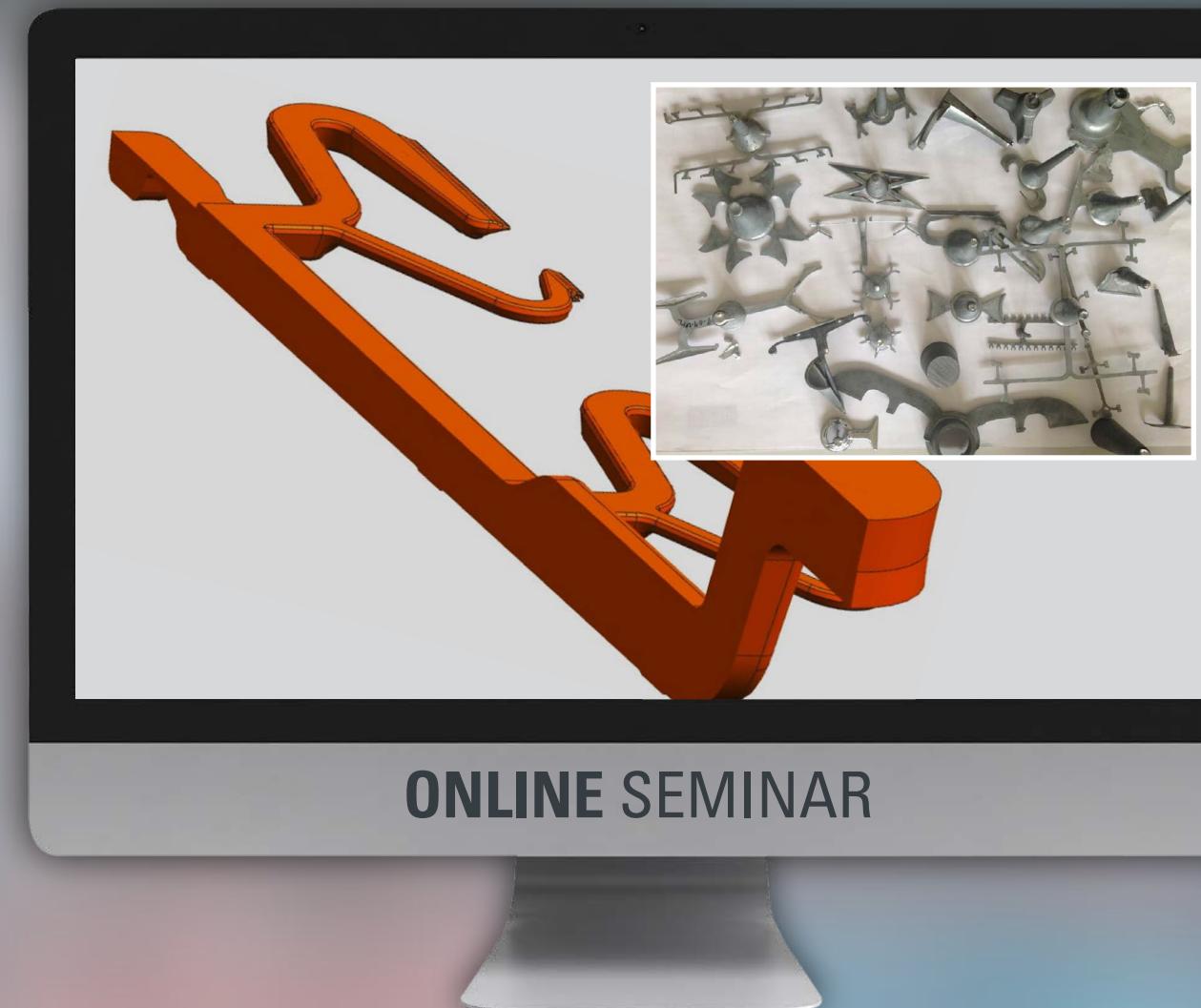
A professionally designed runner and a well-considered gating design are the elementary prerequisites for perfect die filling. Prior to each simulation corresponding concepts must be developed, which we will work out with you in this training module.

CONTENT

- Geometric design of the runner and gating system
- Sensible part placement and gate design
- Showing of venting possibilities
- We use die filling simulation as a modern auxiliary tool

Note

In addition to this online module we offer 2 further modules for mathematical and thermal die design. **As an alternative or in addition we offer our Hot-Cold Chamber Process Technology face-to-face seminar.**



ONLINE SEMINAR



TARGET GROUP

Developers, die designers, technologists, quality management staff



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

Apr 21st, 2026
Morning: 9:00 a.m.
Europe, Berlin
Duration: 3 hours

REGISTRATION



PRICES

480,00 € / access

Mathematical Die Design „Compact“ Hot and Cold Chamber

(O-GB-MtWk-Kk-Math)

TARGETS

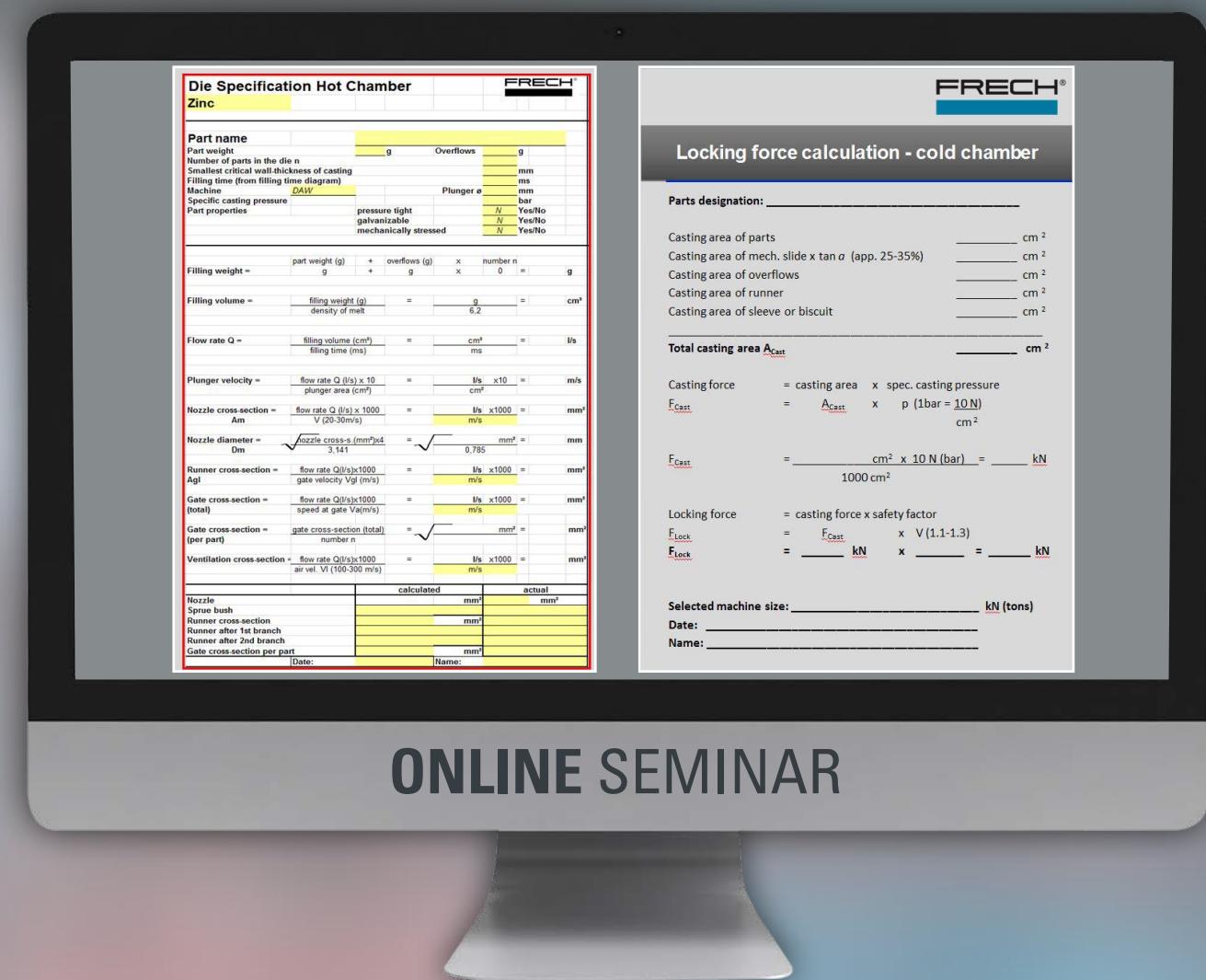
The mathematical die configuration is the preparation for the correct cross-section design and the basis for the required parameters of a die filling simulation. In this training module we concentrate on the necessary calculations.

CONTENT

- Cross-section calculations with FRECH Excel forms
- Calculation of the required locking force
- Calculation of theoretical and practical casting volume
- Calculation of casting capacity, flow rates and pressures
- Calculation of casting parameters such as filling time, velocities etc.

Note

In addition to this online module we offer 2 further modules for geometric and thermal die design. **As an alternative or in addition we offer our Hot-Cold Chamber Process Technology face-to-face seminar.**



TARGET GROUP

Developers, die designers, technologists, quality management staff



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

Apr. 22nd, 2026

Morning: 9:00 a.m.

Europe, Berlin

Duration: 3 hours

REGISTRATION



PRICES

480,00 € / access

Interpreting Die Filling Simulations „Compact“ Hot and Cold Chamber (O-GB-MtWk-Kk-Simu)

TARGETS

Die filling and solidification simulations are now „state of the art“. We will show how simulations are created and what general conditions and prerequisites are required. To derive measures from simulations, they have to be interpreted. This seminar is a tutorial on the interpretation of die filling and solidification simulations.

CONTENT

- The main objectives of a simulation
- Presentation of results: as movie, image or statistic
- What parameters can a simulation show?
- Many evaluations show the same content in different result representations
- What a simulation cannot do
- How much simulation is necessary?
- How is a simulation created?
- The simulation progress in 4 milestones



TARGET GROUP

Developers, buyers, die designers, technologists, quality management staff



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

Apr. 23rd, 2026
Morning: 9:00 a.m.
Europe, Berlin
Duration: 3 hours

[REGISTRATION](#)



PRICES

480,00 € / access

Hot Chamber – Presentation of Frech-Gating-System (FGS) – Function and Application

(O-GB-Wk-FGS-Compact)

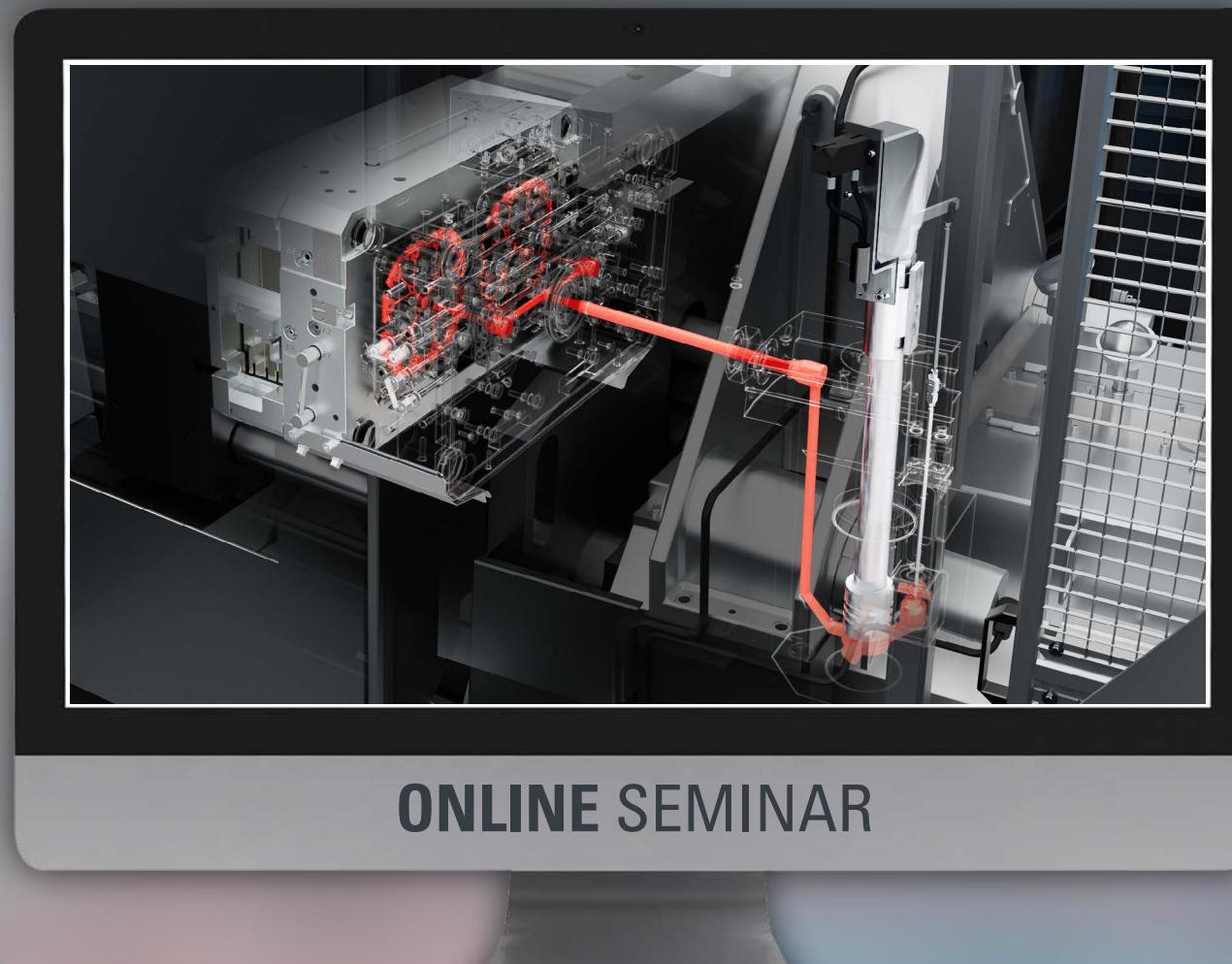
TARGETS

We present in brief the FRECH runner system for zinc hot chamber machines. The process-technical innovation of this hot runner system convinces by increasing your efficiency:

- Increasing productivity
- Optimization of part quality
- Reduction of recirculated material

CONTENT

- Functional principle of FGS
- FGS in combination with FDS
- Application examples
- Case study with ROI consideration



TARGET GROUP

Purchasers, developers, die designers, technologists, quality assurance staff



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

1st date: June 15th, 2026
Morning: 9:00 a.m.
Europe, Berlin
Duration: 30 minutes

[REGISTRATION](#)

3rd date: Dec. 07th, 2026
Morning: 9:00 a.m.
Europe, Berlin
Duration: 30 minutes

[REGISTRATION](#)

2nd date: June 15th, 2026
Afternoon: 3:00 p.m.
Europe, Berlin
Duration: 30 minutes

[REGISTRATION](#)

4th date: Dec. 07th, 2026
Afternoon: 3:00 p.m.
Europe, Berlin
Duration: 30 minutes

[REGISTRATION](#)



PRICES

Free of charge

ONLINE SEMINARS

HOT CHAMBER MAINTENANCE COMPACT

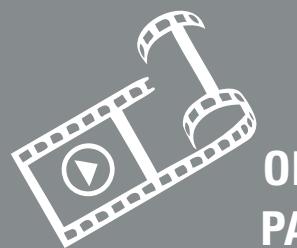
Instruction for maintenance

COLD CHAMBER MAINTENANCE COMPACT GDK-SERIES

Instruction for maintenance

COLD CHAMBER MAINTENANCE COMPACT

Instruction for maintenance



ONLINE SPARE
PART CATALOG

REQUEST INDIVIDUAL MAINTENANCE SEMINAR

 We also offer all fee-based seminars as individual seminars.

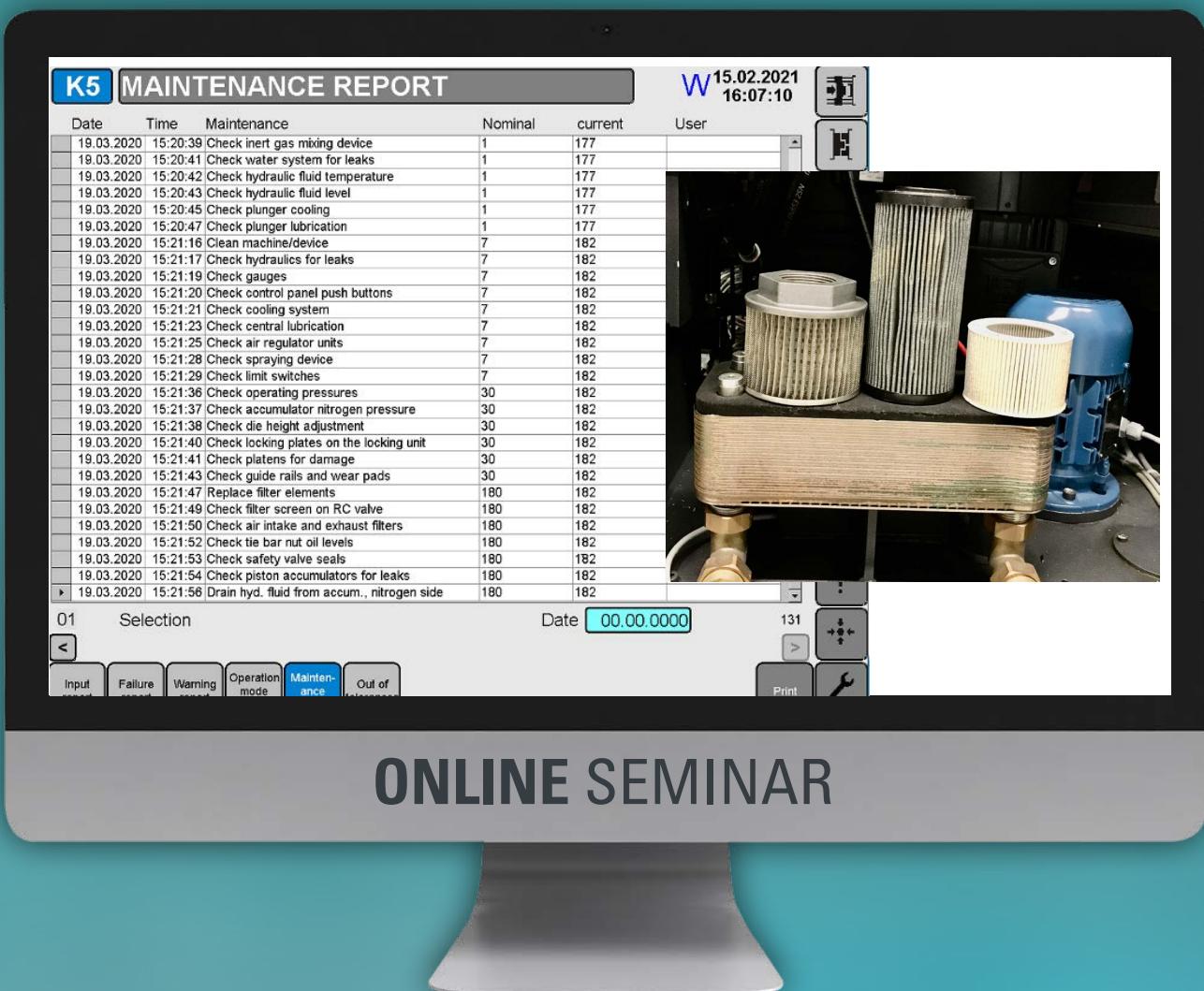
Maintenance „Compact“ of the **Hot Chamber Die Casting Machine** (O-GB-WaWk-Compact)

TARGETS

With this online module we train your employees to carry out maintenance independently, to determine the detailed technical condition of the machine and measures to be taken. The explanations are illustrated with a virtual tour around the machine.

CONTENT

- Safety during maintenance is the top priority
- Organize maintenance according to checklist
- Determine the mechanical, hydraulic and electrical condition of the components during a virtual tour around the machine
- Tips on filter replacement
- Check hydraulic hoses and initiate the necessary measures
- Waterglycol, taking samples, but correctly
- Screen pages for maintenance



TARGET GROUP

Maintenance personnel,
foundry planners



PREVIOUS KNOWLEDGE

Basic technical understanding



EVENT DATE

1st date: Mar. 31st, 2026
Morning: 8:00 a.m.
Europe, Berlin

Duration: 4 hours

[REGISTRATION](#)

2nd date: Dec. 04th, 2026
Morning: 8:00 a.m.
Europe, Berlin

Duration: 4 hours

[REGISTRATION](#)



PRICES

640,00 € / access

Maintenance „Compact“ of the Cold Chamber Die Casting Machine (GDK-Series)

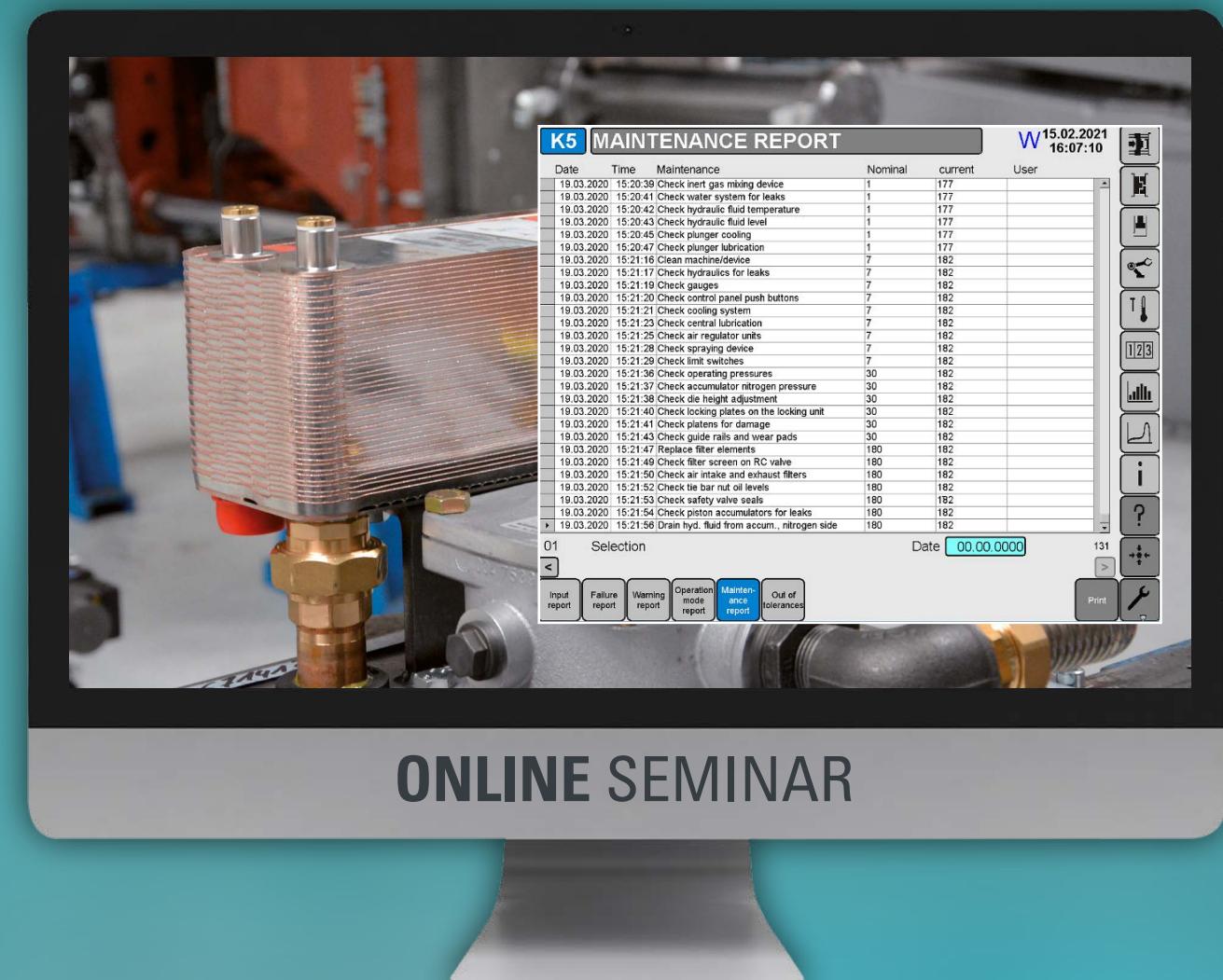
(0-GB-WaGDK-Compact)

TARGETS

With this online module we train your employees to carry out maintenance independently, to determine the detailed technical condition of the machine and measures to be taken.

CONTENT

- Safety is the top priority during maintenance
- The essential points of maintenance: Procedure, evaluation, measures
- Media preparation and filtration as the basis of a „clean“ hydraulics
- Check hydraulic hoses and initiate the necessary measures



TARGET GROUP

Maintenance personnel,
foundry planners



PREVIOUS KNOWLEDGE

Basic technical understanding



EVENT DATE

on request

[REQUEST INDIVIDUAL SEMINAR](#)



PRICES

on request

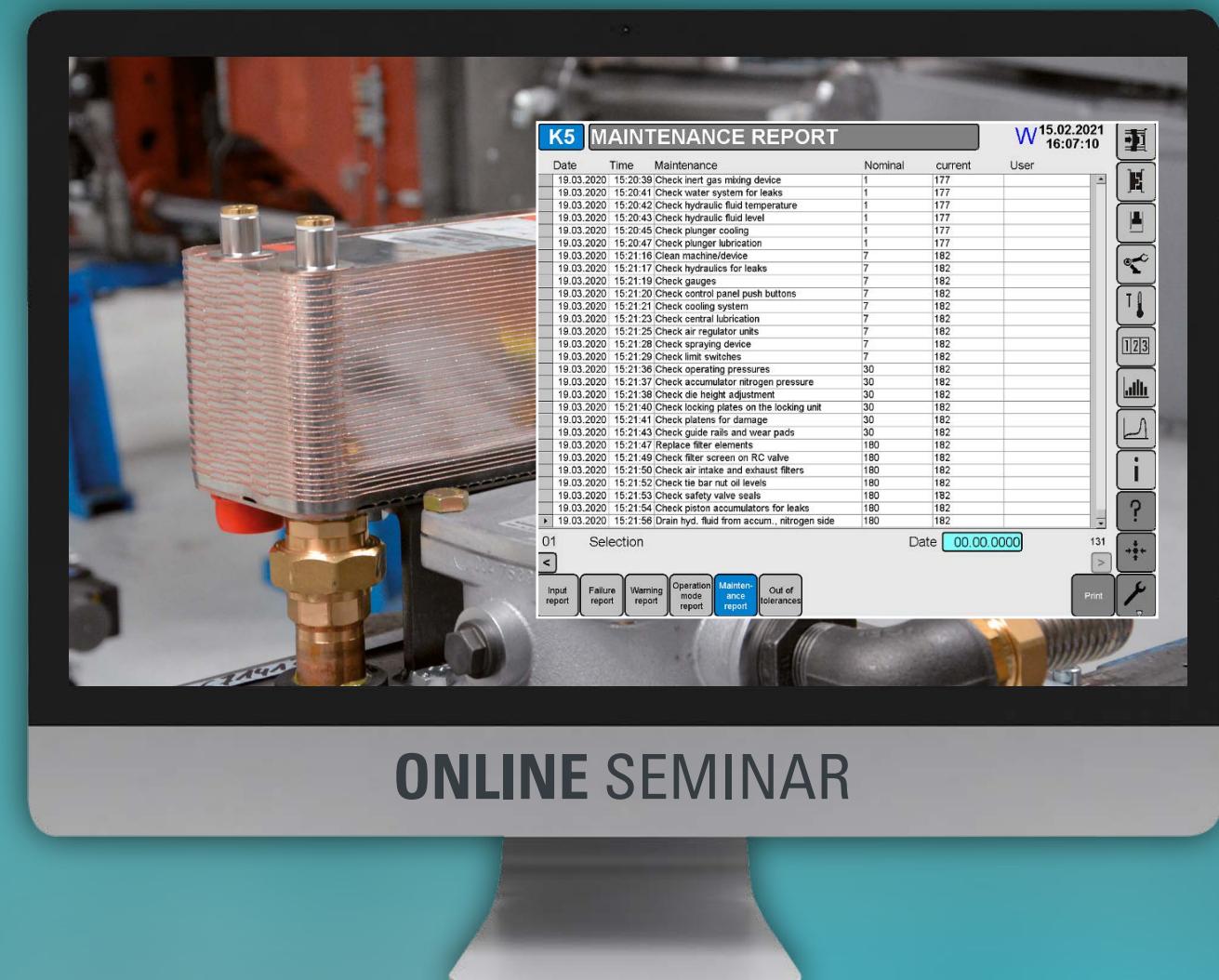
Maintenance „Compact“ of the Cold Chamber Die Casting Machine (M- and K-Series) (O-GB-WaKk-Compact)

TARGETS

With this online module we train your employees to carry out maintenance independently, to determine the detailed technical condition of the machine and measures to be taken. The explanations are illustrated with a virtual tour around the machine.

CONTENT

- Safety is the top priority during maintenance
- Carry out maintenance according to checklist
- Determining the current machine condition
- Media preparation and filtration as the basis of a „clean“ hydraulics
- Check hydraulic hoses and initiate the necessary measures



TARGET GROUP

Maintenance personnel,
foundry planners



PREVIOUS KNOWLEDGE

Basic technical understanding



EVENT DATE

1st date: Mar. 26th, 2026
Morning: 8:00 a.m.
Europe, Berlin

Duration: 4 hours

[REGISTRATION](#)

2nd date: Oct. 22nd, 2026
Morning: 8:00 a.m.
Europe, Berlin

Duration: 4 hours

[REGISTRATION](#)



PRICES

640,00 € / access

Around the Die Casting Machine

ONLINE SEMINARS

HOT-COLD CHAMBER DIE CASTING

Definition, Process, Characteristics

HOT-COLD CHAMBER GROBANAT

New and proven heating and cooling
technology for Hot and Cold Chamber
Die Casting

HOT-COLD CHAMBER VDS-VACUUM SYSTEMS

Structure and dimensioning

COLD CHAMBER MELTEC AVD

Aluminium Vacuum Dosing

ONLINE SEMINARS

THE A-M-Z OF DIE CASTING ALLOYS:

● ALUMINUM ALLOYS

Overview, Properties,
Application, Processing

● MAGNESIUM ALLOYS

Overview, Properties,
Application, Processing

● ZINC ALLOYS

Overview, Properties,
Application, Processing

Scheduled for the second half of the year

HOT and COLD CHAMBER „What is it?” (O-GB-Wk-Kk-Basis)

TARGETS

One may also ask which die casting processes there are and how they differ. We explain what is behind the name „Hot and Cold Chamber“.

CONTENT

- Definition of the term „Die Casting“
- Brief description of both processes
- A virtual hot chamber cycle explained by means of an animation
- A virtual cold chamber cycle explained with an animation

(better than youtube!)



TARGET GROUP

All who are interested in die casting.
All who have to do with die casting.
Also suitable for your customers!



EVENT DATE

Apr. 20th, 2026
Afternoon: 1:00 p.m.
Europe, Berlin
Duration: 30 minutes

[REGISTRATION](#)



PRICES

Free of charge

Vacuum Systems for Hot and Cold Chamber

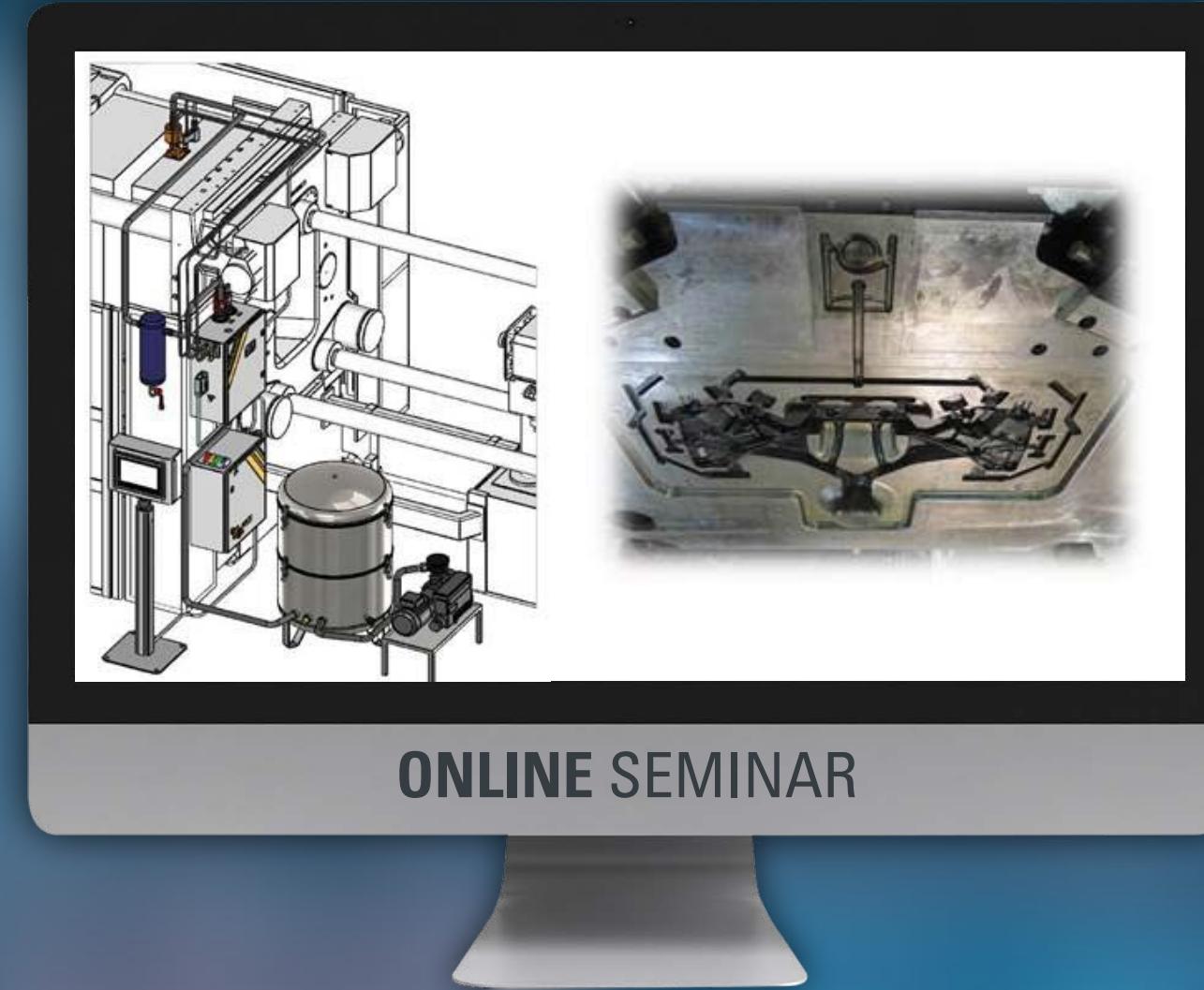
(O-GB-Wk-Kk-VDS-vacuum)

TARGETS

Unfortunately, there is no such thing as non-porous die casting, but there is one with less pores. If passive venting is no longer sufficient to achieve the desired component quality, die evacuation systems are used. You will get to know their structure, dimensioning and application with practical examples. We will show you how to adapt the vacuum unit to your casting process, which has a significant influence on the efficiency and repeatability in production.

CONTENT

- Comparison and application possibilities of Chill Vents compared to valves
- Characteristic values and parameter settings of the vacuum unit
- Leak test of die and sleeve
- Process monitoring
- Maintenance and optimization
- Optimal integration and linking of evacuation elements



VDS



TARGET GROUP

Machine operators, machine setters, die designers



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

November 27th, 2026
Morning: 8:00 a.m.
Europe, Berlin
Duration: 1 hour

[REGISTRATION](#)



PRICES

Free of charge

New and Proven Heating and Cooling Technology for Hot and Cold Chamber

TARGETS

Die casting is a „temperature sensitive“ process. The temperature control must be adapted and designed to the process, the part, the alloy and the requirements for part quality in order to maintain a stable cycle. We present new but also proven heating and cooling systems. A broad overview!

CONTENT

- Basics of die temperature control
- Proven and new heating and cooling systems
- Water/oil
- Common water and oil units of all performance classes
- Die tempering systems
- Design and function of the new multi-zone temperature control system (MZT)
- Multi-zone temperature control versus standard temperature control



GROBAMAT®

(0-GB-Wk-Kk-Heating-Cooling-Technology)

The ultimate overview



TARGET GROUP

All those who are fundamentally interested in temperature control systems from machine operators to technologists and buyer



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

May 11th, 2026
Morning: 8:00 a.m.
Europe, Berlin
Duration: 1 hour

[REGISTRATION](#)



PRICES

Free of charge

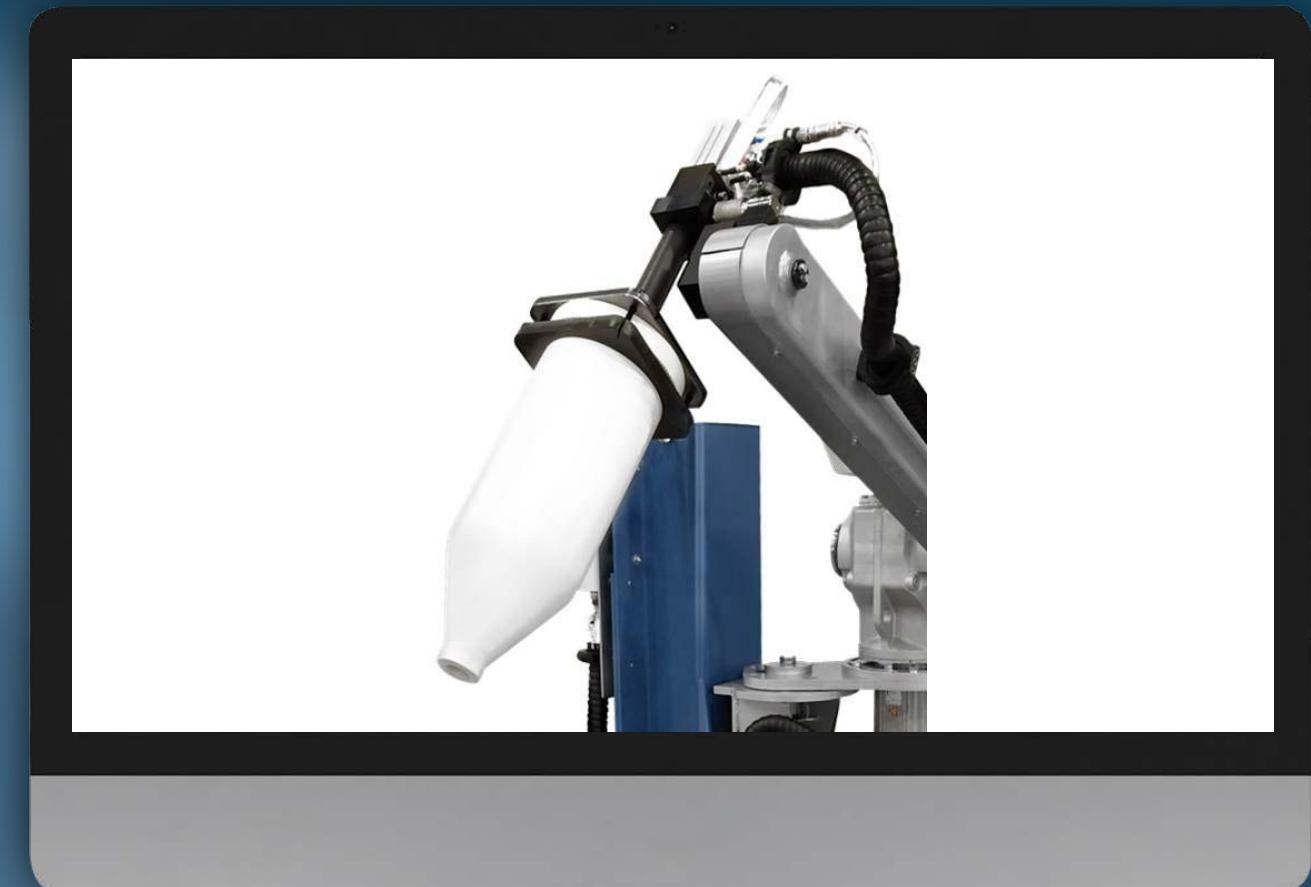
MELTEC Aluminum Vacuum Dosing (O-GB-Kk-Meltec-AVD)

TARGETS

Correct dosing of the melt is essential in the die casting process for optimum and consistent part quality. At the end of the online seminar your employees understand the function and advantages of vacuum dosing.

CONTENT

- Functionality of the AVD
- Dosing accuracy
- Transport of the melt - low temperature loss
- Dosing of the melt - low oxide formation
- Maintenance, availability and service life
- Application examples



MELTEC®



TARGET GROUP

Newcomers, machine operators, machine setters, quality management staff



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

On request
Duration: 1 hour

[REGISTRATION](#)



PRICES

Free of charge

Around the Die Casting Machine Online Seminar

Aluminum Alloys

Overview, properties, applications, processing (O-GB-Kk-Aluminium)

TARGETS

Getting to know the mechanical properties of aluminum alloys, overview of the standardized die casting alloys and the commonly used special alloys as well as modern melting and process technology and the most common special alloys.

CONTENT

- Aluminum alloys according to DIN EN 1706
- Mechanical properties
- The most common alloys
- Alloy components and their effects on castability and parts properties
- Melting and process technology
- Melt cleaning and handling
- Outlook - challenges for the future



FRECH



TARGET GROUP

Operators, machine setters,
foundry managers, buyers



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

Scheduled for the second half of the year



PRICES

Free of charge

Magnesium Alloys

Overview, properties, applications, processing (O-GB-Wk-Kk-Magnesium)

TARGETS

Getting to know the mechanical properties of magnesium alloys compared to aluminum alloys, overview of all standardized alloys and the most common special alloys.

CONTENT

- Magnesium alloys according to DIN EN 1753
- Mechanical properties
- The most common alloys and their applications
- Alloy components and their effects on castability and parts properties
- Handling instructions for use in die casting machines
- Outlook



SPEAKER

Christoph Schendera
EFM



TARGET GROUP

Operators, machine setters,
foundry managers, buyers



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

Scheduled for the second half of the year



PRICES

Free of charge

Around the Die Casting Machine Online Seminar

Zinc Alloys

Overview, properties, applications, processing (O-GB-Wk-Zinc)

TARGETS

Getting to know the mechanical properties of zinc alloys, overview of all standardized die casting alloys and the most common special alloys.

CONTENT

- Zinc alloys according to DIN EN 1744
- Mechanical properties
- The most common alloys
- Alloy components and their effects on castability and parts properties
- Handling instructions for use in die casting machines
- Outlook



SPEAKER

Dr. Didier Rollez
RDDC-Diecasting-Consulting



TARGET GROUP

Operators, machine setters, foundry managers, buyers



PREVIOUS KNOWLEDGE

Not needed



EVENT DATE

Scheduled for the second half of the year



PRICES

Free of charge

General Information Online Seminar

REGISTRATION AND BOOKING

You choose an online seminar or consulting module and register by mail using the registration form provided.

COSTS

Please refer to the individual seminar descriptions for costs.
We charge per access, i.e. per customer with max. 5-6 participants.

AFTER BOOKING

Please provide us with the relevant email addresses of the participants who will be attending the online seminar. Unknown mail addresses or participants cannot attend for security reasons and will be removed from the online seminar.

30 MINUTES BEFORE THE SESSION

- We will send you a link to start the training
- We at castFEX are currently working with ZOOM
- You can find more information about Zoom at <https://zoom.us/>.
- For laptops / desktop PCs no preparation is required
- Tablets / smartphones require the download of the application „Zoom”.
- On the homepage of „ZOOM” via „Support” into the „Help Center”
> „First steps” > „Mobile devices”

SHORTLY BEFORE THE SESSION

Connection check on both sides to image, sound and camera. For your part, please use the rooms provided for this purpose. Recording of an online seminar is generally not permitted.

SHORTLY AFTER THE SESSION

We are sending documentation and certificates of participation in the case of payable online seminars. Feedback - We always want to improve, so we welcome your feedback on our online seminar, even afterwards, at: sabine.gramm@castfex.com.

CANCELLATION CONDITIONS

Online training courses can be canceled free of charge up to one week before the start of the seminar; for cancellations from 4 days before the start of the seminar, we reserve the right to charge 50% of the seminar fee. If you cancel less than 1 day before the start of the event and if you do not log in, the full participation fee is due.

INFORMATION

Seminar inquiries, questions about registrations and information can be obtained from Ms. Sabine Gramm.
Tel: 0049 (0) 7181 97740-57
Mail: sabine.gramm@castfex.com

CHANGES

In case of too few registrations and force majeure we reserve the right to postpone or cancel a seminar. You will be informed in time.