



# 迈格码培训学院手册 2018

MAGMAacademy CATALOGUE

**MAGMA**  
ACADEMY  
STEPS



TRAININGS



WORKSHOPS



SEMINARS

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# 欢迎来到迈格码培训学院

迈格码培训学院旨在为迈格码客户提供各种铸造工艺优化的教育课程，并为铸造专家提供一个知识交流的重要平台。

其课程涉及MAGMASOFT®软件培训，模拟技术讲习班以及各类主题研讨会。通过这些课程，软件使用者可以进一步了解如何有效应用铸造工艺模拟—学习如何正确的分析结果，从而降低各类成本，提高铸件质量。

迈格码培训学院不仅对软件的主要使用者提供系统的培训，甚至对整个铸造行业的相关人员提供丰富的教育资源，从而致力于加强铸造工艺的全面整合。

**培训课：**全面铸造模拟软件培训课程分为3级：基础，中级和高级。基础培训主要是软件操作为主。中高级培训将深入到相应模块的铸造工艺知识。此培训将指导用户如何通过模拟优化工艺参数及设计，掌握模拟方法及影响，分析铸件缺陷，模拟结果等。

**讲习班：**通过讲习班的交流，可以更加深入了解迈格码模拟。此活动是特为感兴趣的迈格码用户而设的，目的是进一步提高用户的模拟知识、技巧以及分析方法。每个讲习班根据用户具体需求而设定特定主题，以便提供有针对性的模拟技巧来帮助分析铸造问题。

**研讨会：**是为和铸造领域有接触的所有相关人员而设计的。此课程可以涉及到整个流程：采购>设计>铸造>质量控制>市场>销售>管理层。因此，不仅为了用户，也为了设计人员，管理人员，质保人员和生产人员以及铸造采购商，领导层及决策者等等。

**认证书：**是认证用户在铸造界有能力使迈格码软件的考核项目，确保用户有能力通过自己的铸造经验及模拟知识，独立的设置、模拟、分析、优化和呈现模拟项目。

我们期待您参加迈格码培训学院的教育课程。  
欲知详情，请联系您的客户经理。



# Welcome to MAGMAacademy

The MAGMAacademy training center provides various educational offers dedicated to optimization of casting processes or casting designs and is a platform to share knowledge between experts. MAGMAacademy organizes all trainings, ongoing learning classes for customers related to MAGMASOFT®, as well as technical workshops and seminars. During these courses you will extend your knowledge about the efficient use of casting process simulation. You will learn how to interpret results correctly, reduce costs and increase the quality of your part.

MAGMAacademy's mission is to provide educational resources to software users and to aid assist in the integration of casting process simulation throughout your entire organization.

**Training:** Start with a basic training and then take on the specific process I and II Trainings. Using practical examples, you will learn about processes and materials with the focus on your application.

**Workshop:** Deepen your knowledge of MAGMASOFT in one of our workshops. The workshops are specifically designed for users, who are experienced in working with MAGMASOFT and want to improve their usage skills. Each workshop covers a particular topic and is designed to offer you assistance in tackling your casting application problems. You will learn how to increase your efficiency by using MAGMASOFT for various areas!

**Seminar:** The seminar of MAGMAacademy are aimed at interested professionals and decision-makers who want to learn about the possibilities of simulation or benefits from the results. Apart from basics about specific materials or process-related topics, you will learn the methodical use and implementation of simulation results for casting development, tool design and production optimization.

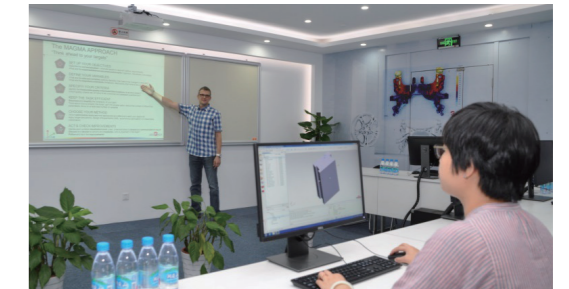
**Certification:** A program to certify that the users have the experience and qualified education to demonstrate their capabilities and excel in casting simulation projects.

We look forward to welcoming you at one of our educational offerings in our MAGMAacademy center in Suzhou.

For further details please contact your MAGMA contact person.

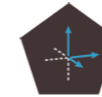
## The MAGMA APPROACH 迈格码六步法

“Think ahead to your targets” “预先思考所需达成目标”



### SET UP YOUR OBJECTIVES 设立目标

Describe the **current situation** - what are issues to resolve? (status, requirements)  
What are the **expected/desired outcomes and benefits**? (optimum, robustness, knowledge)



### DEFINE YOUR VARIABLES 定义变量

What are the **relevant variables** (options, flexibility) that need to be changed or analyzed?  
What are the **important constraints** (limitations, restrictions) that have to be considered?



### SPECIFY YOUR CRITERIA 明确标准

Identify the **measurable quality criteria and their locations** (evaluation areas)?  
Which quality criteria can (or have to be) combined and assessed quantitatively?



### KEEP THE TASK EFFICIENT 提高效率

**Structure** and **simplify** the complexity of your task! Think about how to simplify the model, split into smaller tasks, reduce the number of influencing parameters, focus on a restricted number of variables.



### CHOOSE YOUR METHOD 选定方法

Which **optimization tools** are most appropriate and effective to reach your objective? Apply single simulations, Design of Experiments (DoE), autonomous optimization or a reasonable combination.



### ACT & CHECK IMPROVEMENTS 实施决策

Decide upon suitable **visualization tools** (clear, understandable) to assess and communicate the results!

**Discuss** and **decide** for actions and **measures** – who is important in that team?  
**Follow** and track the **improvements**!



培训课  
TRAININGS



培训课

讲习班

研讨会



## 基础

条件: 无  
级别: 初级  
为期: 3天  
费用: 2700€ + 6%VAT (有效维保期内客户可享受折扣价)

### 课程介绍:

基础培训课程是专为初级水平或零基础的主要使用者而设置的, 内容主要包括迈格码6步法的介绍, 针对充型和凝固模拟的操作设定以及虚拟实验设计和优化的初级应用。

### 课程大纲:

- 模拟介绍及迈格码六步法
- 几何界面 — 练习 #1
- 网格界面 — 练习 #2
- 定义界面 — 练习 #3
- 优化界面 — 练习 #4
- 模拟界面 — 练习 #5
- 评估界面 — 练习 #6
- 结果界面 — 练习 #7

### 课程目标:

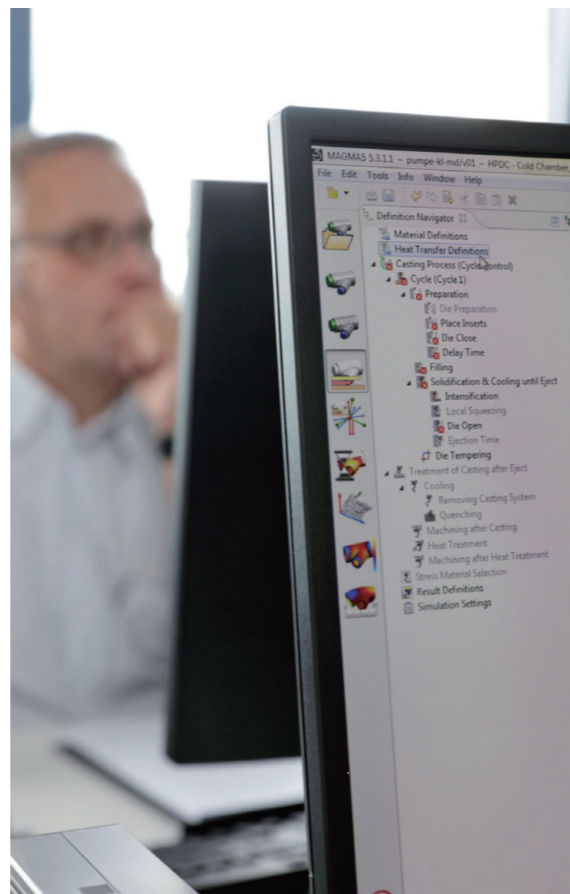
主要使用者会设定并模拟项目, 会对模拟结果进行初步的分析。

### 参加对象:

迈格码软件用户 (优先)  
工程师, 设计师, 技术员, 压铸或砂铸的工作人员

### 培训地点:

迈格码 (苏州) 软件科技有限公司 培训部



## Basic

**Prerequisites:** None  
**Course Level:** Basic  
**Duration:** 3 days  
**Course Fee:** 2700€ + 6%VAT (Discounts available for existing customers with valid LPSA)

### About the course:

Basic courses are intended for beginner level direct users. The course curriculum includes the MAGMA APPROACH, the manipulation & set-up of projects which are focus on filling and solidification as well as basic definition of optimizations and their assessment.

### Course Overview :

- Introduction of Simulation & MAGMA APPROACH
- Geometry Perspective - Lab #1
- Enmeshment Perspective - Lab #2
- Definition Perspective - Lab #3
- Optimization Perspective - Lab #4
- Simulation Perspective - Lab #5
- Assessment Perspective - Lab #6
- Result Perspective - Lab #7

### By the end of this session the direct user should be able to :

- Set up a project , start a simulation & analyze results.

### Who should attend:

MAGMASOFT users ( Priority )  
Engineers, designers, technicians working in a casting environment or professional who work with sand mold or die casting processes.

### Location:

MAGMA Engineering (Suzhou) Co., Ltd  
MAGMAacademy



## 基础 II

条件: 1. 与基础培训至少相隔 6 个月;  
2. 参加对象为同一个公司的第二批新的主要使用者

级别: 初级

为期: 3 天

费用: 免费 (在有效维保期内用户)

课程介绍:

基础 II 培训课程是专为初级水平的第二批新的主要使用者而设置的。受训者一般已从首批 (即现有) 主要使用者处获得一定的软件使用方法。基础 II 培训课程与基础培训课程内容完全一致。此课程开设的目的是为客户培养储备人才。

课程大纲:

模拟介绍及迈格码六步法

几何界面 — 练习 #1

网格界面 — 练习 #2

定义界面 — 练习 #3

优化界面 — 练习 #4

模拟界面 — 练习 #5

评估界面 — 练习 #6

结果界面 — 练习 #7

课程目标:

主要使用者会设定并模拟项目, 会对模拟结果进行初步的分析。

参加对象:

迈格码软件用户 (优先)

工程师, 设计师, 技术员, 压铸或砂铸的工作人员

培训地点:

迈格码 (苏州) 软件科技有限公司 培训部

## Basic II

**Prerequisites:** 1. 6 months after completion of a basic training,  
2. Additional new users from the same company.

**Course Level:** Basic

**Duration:** 3 days

**Course Fee:** Included in a valid Maintenance and Support Agreement

**About the course:**

Basic courses are intended for beginner level direct users. The course curriculum includes the MAGMA APPROACH, the manipulation & set-up of programs which are focus on filling and solidification only and basic optimization & assessment usage.

**Course Overview :**

- Introduction of Simulation & MAGMA APPROACH
- Geometry Perspective - Lab #1
- Enmeshment Perspective - Lab #2
- Definition Perspective - Lab #3
- Optimization Perspective - Lab #4
- Simulation Perspective - Lab #5
- Assessment Perspective - Lab #6
- Result Perspective - Lab #7

**By the end of this session the direct user should be able to :**

- Set up a project, start a simulation & analyze results.

**Who should attend:**

MAGMASOFT users ( Priority )

Engineers, designers, technicians working in a casting environment or professional who work with sand mold or die casting processes.

**Location:**

MAGMA Engineering (Suzhou) Co., Ltd

MAGMAacademy





## 中级

条件: 基础培训

级别: 中级

为期: 3 天

费用: 4500€ + 6%VAT (有效维保期内客户可享受折扣价)

课程介绍:

中级培训课程是继基础培训之后的必修课程, 其在基础培训基础之上增加更多完成模拟的有效方法。主要使用者在参加此培训之前必须完成至少 3 个模拟项目。由于实际铸造现场的具体情况错综复杂, 主要使用者在做模拟时可能会遇到基础培训不能解决的问题, 而中级培训课程则为他们提供了一个讨论问题解决方法的机会, 且更多讲解模拟结果的含义, 结合多个结果分析产品缺陷以及高级设定技巧。

课程大纲:

审查用户项目

高级网格划分技巧

深入分析模拟结果

- 充型

- 凝固

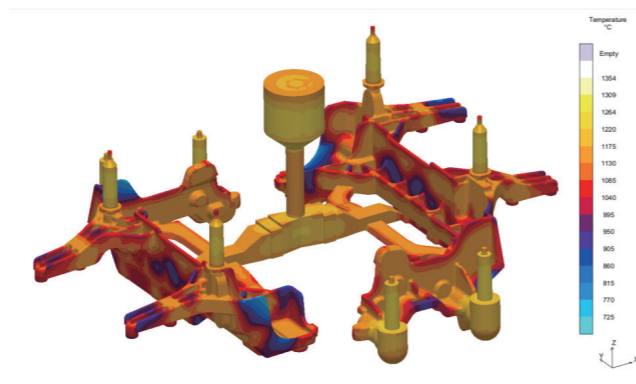
- 应力 (如有)

创建模拟报告

铸造过程到模拟的应用

自主优化分析 1

练习



课程目标:

主要使用者会设定并模拟项目, 会对模拟结果进行初步的分析。

参加对象:

迈格码软件用户 (优先)

工程师, 设计师, 技术员, 压铸或砂铸的工作人员

培训地点:

迈格码 (苏州) 软件科技有限公司 培训部

## Process I

Prerequisites: Basic training

Course Level: Intermediate

Duration: 3 days

Course Fee: 4500€ + 6%VAT (Discounts available for existing customers with valid LPSA)

About the course:

The Process I course is a mandatory follow-up to the Basic course and contains additional information necessary for the completion of the basic training program. The direct users must complete at least 3 simulation projects before are eligible to attend a Process I training. After working with the software in a real-world environment, direct users may have encountered situations which were not addressed in the Basic course. The Process I course allows direct users the opportunity to discuss any problems they may have encountered. The Process I program will provide greater insight into result meaning, combining results for better understanding, discussion of defect identification using results and advanced set-up techniques.

Course Overview :

- Review users' projects
- Advance modelling technique & criterion
- In-depth analysis into simulation results
  - Filling
  - Solidification
  - Stress(if applicable)
- Simulation report guideline
- Process knowledge to simulation applications
- Autonomous optimization analysis 1
- Labs

By the end of this session the direct user should be able to :

- Efficiently set-up, Evaluate simulation results.

Who should attend:

MAGMAusers (Priority)

Engineers, designers, technicians working in a casting environment or professional who work with sand mold or die casting processes.

Location:

MAGMA Engineering (Suzhou) Co., Ltd

MAGMAacademy



## 高级

条件: 基础、中级培训, 并自基础培训起一年内完成  
 级别: 高级  
 为期: 3天  
 费用: 4500€ + 6%VAT (有效维保期内客户可享受折扣价)

### 课程介绍:

高级 II 培训课程是由迈格码工程师和主要使用者共同完成客户的一个实际项目。迈格码工程师会就结果评估方面给主要使用者提供建议和指导。由于时间关系, 多数项目是要延续至课堂之后继续完成的。

### 课程大纲:

审查用户项目  
 高级网格划分技巧  
 深入分析模拟结果  
 - 充型  
 - 凝固  
 - 应力 (如有)  
 创建模拟报告  
 铸造过程到模拟的应用  
 自主优化分析 2  
 练习

### 课程目标:

主要使用者会

1. 解释缺陷的根源;
2. 寻求可行的解决方案;
3. 彻底实施该方案;
4. 创建模拟报告;
5. 有效的汇报演示模拟结果。

### 参加对象:

迈格码软件用户 (优先)  
 工程师, 设计师, 技术员,  
 压铸或砂铸的工作人员

### 培训地点:

迈格码 (苏州) 软件科技有限公司 培训部



**MAGMASOFT®**  
 autonomous engineering

## Process II

**Prerequisites:** Basic, Process I, Must be completed within 1 year after attending basic training  
**Course Level:** Advance  
**Duration:** 3 days  
**Course Fee:** 4500€ + 6%VAT (Discounts available for existing customers with valid LPSA)

### About the course:

The Process II course revolves around a direct user's project which will be worked on in class with an experienced MAGMA application manager. This course will help the direct users assess the current project status, develop a strategic approach to the problem, and be provided with suggested result evaluation techniques. In most cases the scope of the project is beyond what can be completed in three days, and project work which begins in the Process I course may continue after the course days are complete.

### Course Overview :

- Review users' projects
- Advance modelling technique & criterion
- In-depth analysis into simulation results
  - Filling
  - Solidification
  - Stress(if applicable)
- Simulation report guideline
- Process knowledge to simulation applications
- Autonomous optimization analysis 1
- Labs

### By the end of this session the direct user should be able to :

- Explain the root cause of a problem,
- Determine a strategy to find an acceptable solution,
- Implement the strategy,
- Create simulation report,
- Effectively communicate the results to others.

### Who should attend:

MAGMASOFT users (Priority)  
 Engineers, designers, technicians working in a casting environment or professional who work with sand mold or die casting processes.

### Location:

MAGMA Engineering (Suzhou) Co., Ltd  
 MAGMAacademy



## 升级

条件: 基础培训  
级别: 初级  
为期: 1-2 天  
费用: 免费 (在有效维保期内用户)

### 课程介绍:

升级培训仅在迈格码软件版本有升级时举办。该课程涵盖所有新增功能的介绍和使用, 借助相关实例的练习, 主要使用者能够轻松快速的掌握新功能的使用, 平稳过渡到新版本。对于使用 MAGMASOFT® 多个模块的主要使用者而言, 该课程将结合讲解各模块功能。

### 课程大纲:

MAGMASOFT 5.4 的新功能

### 课程目标:

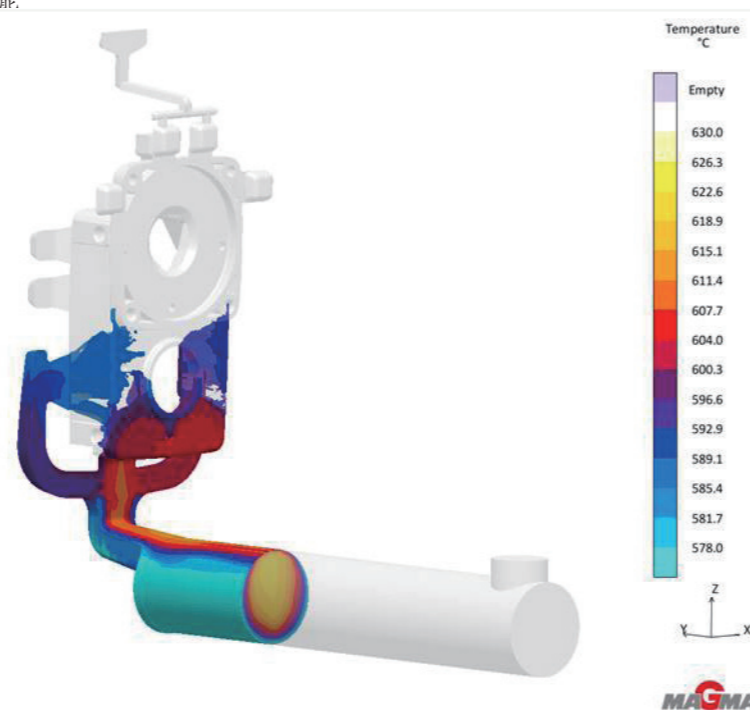
主要使用者会使用 MAGMASOFT 5.4 的新功能。

### 参加对象:

迈格码软件用户

### 培训地点:

迈格码 (苏州) 软件科技有限公司 培训部



## Upgrade

**Prerequisites:** Basic training

**Course Level:** Basic

**Duration:** 1-2 days

**Course Fee:** Included in a valid Maintenance and Support Agreement

### About the course:

The Upgrade training is offered when a major software version change or upgrade occurs. Direct users who attend an upgrade training will find it easier and faster to learn the new options and features available, facilitating a smooth transition to the new version. In cases where direct users are utilizing multiple modules of MAGMASOFT®, efforts will be made to combine module functionality in one session.

### Course Overview :

- New major features of MAGMASOFT 5.4

### By the end of this session the direct user should be able to :

- Understand & use the newly introduced features of MAGMASOFT 5.4

### Who should attend:

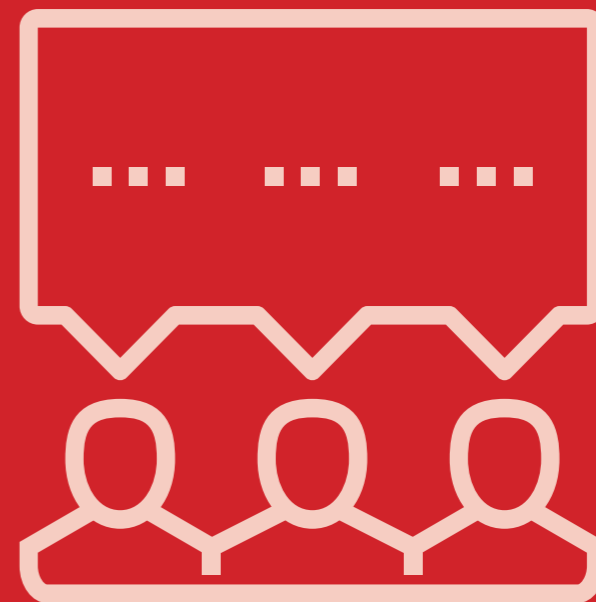
MAGMASOFT users

### Location:

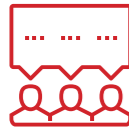
MAGMA Engineering (Suzhou) Co., Ltd  
MAGMAacademy

# 5

**MAGMASOFT®**  
autonomous engineering



讲习班  
WORKSHOPS



# 虚拟试验设计和优化

条件: 基础、中级培训  
级别: 中级  
为期: 3天  
费用: 免费 (在有效维保期内用户)

### 课程介绍:

该讲习班主要讲解如何在重力砂型 / 高压 / 金属型 / 低压等各个铸造工艺中使用优化功能, 以使用户能将 MAGMASOFT 这一最新功能应用到实际生产中。参加者将学习虚拟试验设计和优化操作的基础方法。

### 课程大纲:

- 几何体交换;
- 参数优化;
- 工艺优化;
- 评估分析

### 课程目标:

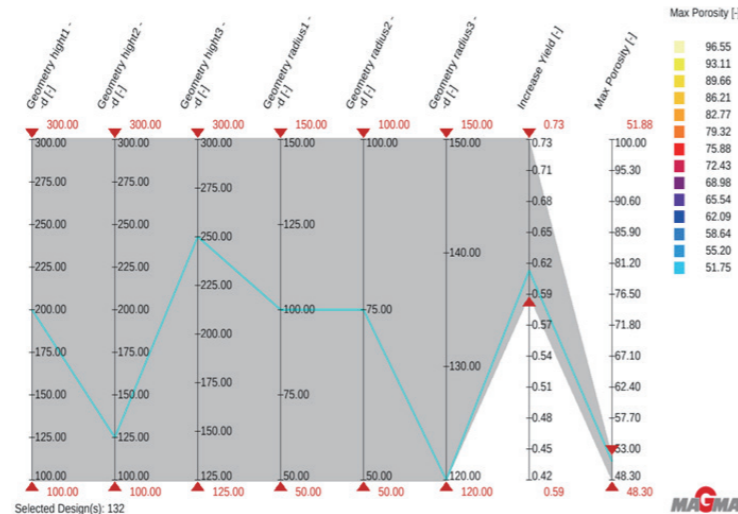
- 主要使用者会
- 基础设定;
  - 模拟优化项目;
  - 分析优化评估结果

### 参加对象:

迈格码软件用户 (优先)  
工程师, 设计师, 技术员, 压铸或砂铸的工作人员

### 培训地点:

迈格码 (苏州) 软件科技有限公司 培训部



# Methodology of Virtual Design of Experiments and Optimization

**Prerequisites:** Basic, Process 1 training  
**Course Level:** Intermediate  
**Duration:** 3 days  
**Course Fee:** Included in a valid Maintenance and Support Agreement

### About the course:

This workshop introduces you to the extended capabilities for the optimization of the gravity sand casting / high pressure die casting / die casting / low pressure die casting processes (depending on which class you attended). It is meant to help you integrate the use of the optimization features into your daily work with MAGMASOFT. You will learn how to work with virtual design of experiments and optimization and also the underlying methodology.

### Course Overview :

- Geometry exchange
- Parametric Optimization
- Process Optimization
- Assessment Analysis

### By the end of this session the direct user should be able to :

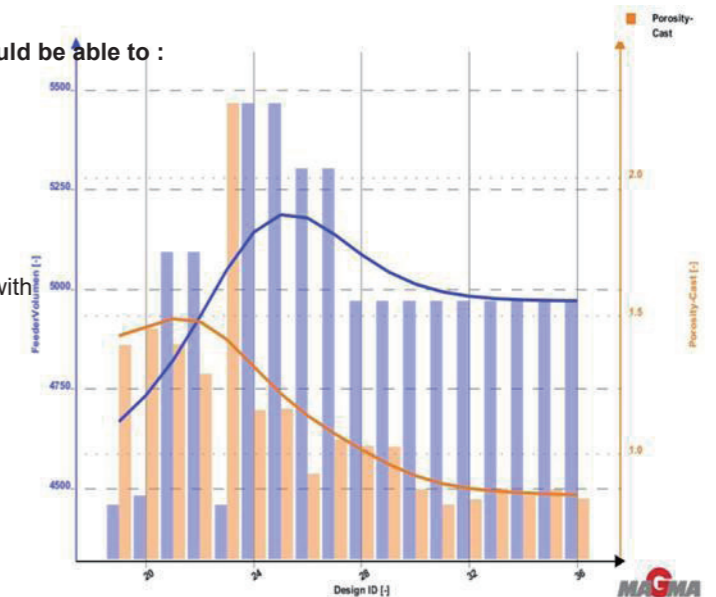
- Set-up,
- Start an optimization run
- Assessment of optimizations

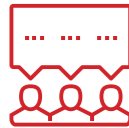
### Who should attend:

MAGMASOFT users(Priority)  
Engineers, designers, technicians working in a casting environment or professional who work with sand mold or die casting processes.

### Location:

MAGMA Engineering (Suzhou) Co., Ltd  
MAGMAacademy





## 制芯工艺的设计及优化

条件: 无  
级别: 中级  
为期: 2天  
费用: 免费 (在有效维保期内用户)

### 课程介绍:

本次讲习班将向参与者展示诸如模具、砂的特性、射砂、吹气、排气等因素是如何影响砂芯的质量, 进而影响金属铸件的质量。

### 课程大纲:

- 一 芯盒设计的操练
- 一 自主优化的应用
- 一 砂芯的固化理论
- 一 缺陷的案例分析

### 课程目标:

- 参与者能
- 一 明确影响砂芯质量的制芯工艺因素
  - 一 了解自主优化是如何使模具设计的时间和成本最小化

### 参加对象:

- 迈格码软件用户用户 (优先)
- 工程师, 设计师, 技术员, 压铸或砂铸的工作人员

### 培训地点:

- 迈格码 (苏州) 软件科技有限公司 培训部



## Design & Optimization of Core Making Processes

**Prerequisites:** None  
**Course Level:** Intermediate  
**Duration:** 2 days  
**Course Fee:** Included in a valid Maintenance and Support Agreement

### About the course:

This workshop will show attendees how factors like tooling, sand characteristics, shooting, blowing and venting influence the quality of sand cores, and further influence the quality of the casting.

### Course Overview :

- Core box design practice
- Autonomous optimization
- Core curing
- Case study

### By the end of this session the direct user should be able to :

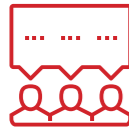
- Identify core making process factors that influence core quality
- Understand how autonomous optimization can minimize the time and cost of tooling design.

### Who should attend:

MAGMASOFT users(Priority)  
Engineers, designers, technicians working in a casting environment or professional who work with sand mold or die casting processes.

### Location:

MAGMA Engineering (Suzhou) Co., Ltd  
MAGMAacademy



## 应力提升班

条件: 基础、中级培训  
级别: 中级  
为期: 1天  
费用: 免费 (在有效维保期内用户)

### 课程介绍:

本次讲习班将解释应力/应变理论, 为有效预测应力/应变相关的铸造缺陷提供基础技术, 并通过案例分析为用户提供结果评价信息。

### 课程大纲:

- 应力/应变理论
- 软件设定练习
- 模拟结果解读
- 案例缺陷分析

### 课程目标:

- 参与者能有效的设定并解读评估应力模拟结果, 对应力缺陷有进一步的理解。

### 参加对象:

迈格码软件用户 (优先)  
工程师, 设计师, 技术员, 压铸或砂铸的工作人员

### 培训地点:

迈格码 (苏州) 软件科技有限公司 培训部

## Stress Refresher

**Prerequisites:** Basic Process1 MAGMA stress  
**Course Level:** Intermediate  
**Duration:** 1 days  
**Course Fee:** Included in a valid Maintenance and Support Agreement

### About the course:

This workshop will explain stress/strain theory, provides set-up techniques for the effective prediction of stress/strain related casting defects and provides users with result evaluation information.

### Course Overview :

- Stress/strain theory
- Set-up practice
- Analysis simulation result
- Case study

### By the end of this session the direct user should be able to :

- Set-up and evaluate results of a MAGMAstress simulation effectively

### Who should attend:

MAGMASOFT users (Priority)  
Engineers, designers, technicians working in a casting environment or professional who work with sand mold or die casting processes.

### Location:

MAGMA Engineering (Suzhou) Co., Ltd  
MAGMAacademy



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MAGMASOFT®  
autonomous engineering



研讨会  
SEMINARS

研讨会





## 铸件缺陷的根源分析

条件: 无  
 级别: 高级  
 为期: 2天  
 模块: 重力有色  
       黑色砂铸  
       高压压铸  
 费用: 免费 (在有效维保期内用户)

### 课程介绍:

本次研讨会专注于各种铸造工艺, 主要涵盖的模块有重力有色 ( 低压, 重力金属型和倾转浇注 ) / 黑色砂铸 ( 铸钢, 铸铁 ) / 高压压铸, 通过对迈格码软件模拟结果的解读和分析来阐述相关的工艺变量对铸件质量的影响, 以及通过案例分析来明确铸件缺陷生成的根本原因。其中值得关注的是, 包含了制芯模块的设定和结果解读, 以及由于砂芯缺陷引起的铸件缺陷的案例分析。

### 课程大纲:

- 模拟结果解读
- 工艺变量分析
- 铸件缺陷分类
- 缺陷案例讲解

### 课程目标:

#### 参与者能

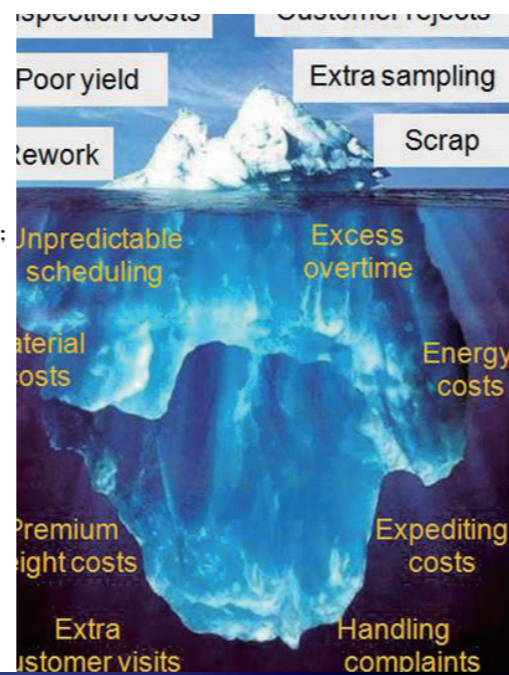
- 加深对迈格码软件模拟结果的理解, 明确并深层次的理解铸件缺陷;
- 最终提高铸件质量, 减少各项成本

### 参加对象:

迈格码软件用户 ( 优先 )  
 工程师, 设计师, 技术员, 压铸或砂铸的工作人员

### 培训地点:

成都 / 苏州



## Root Cause Analysis for Resolving Casting Defects

**Prerequisites:** None  
**Course Level:** Advance  
**Duration:** 2 days  
**Version:** Gravity Nonferrous  
           Ferrous  
           High Pressure Die Casting  
**Course Fee:** Included in a valid Maintenance and Support Agreement

### About the course:

This seminar covers the interpretation and analysis of MAGMASOFT simulation results, the influence of process variables on casting quality is explained in detail, and the root cause of casting defect formation is confirmed through analysis of case studies. It is worth to mention that this seminar also addresses core making process simulations, including result interpretation and case study analysis of casting defects caused by the sand core defects.

### Course Overview :

- Interpretation of simulation results
- Analysis of process variables
- Classification of casting defects
- Case study

### By the end of this session the direct user should be able to :

- Have a deep understanding of MAGMASOFT simulation results, and the casting defects.
- Control process variables to improved efficiency, quality as well as reduced cost at their facility.

### Who should attend:

MAGMASOFT users(Priority)  
 Engineers, designers, technicians working in a casting environment or professional who work with sand mold or die casting processes.

### Location:

Chengdu / Suzhou



## 客户定制课程

根据客户的需求，我们可以定制一个全新的课程，或更详细的扩充迈格码培训学院现有的课程来给您的员工进行有针对性的教育提升。

我们迈格码培训学院团队还可与您密切合作，建立实际案例课程，以便可以立即应用到实际工作生产中。

据调查结果显示，客户业绩，工作效率，学习能力，投资回报率等通过该课程后得到明显的提升。

## Customization Dedicated Seminar

Based on clients' demands, we can customize a totally new course, or adapt our standard training classes to your needs and just the right program for your staffs' continuous improvement.

Our MAGMAacademy team will work closely with you to create courses that provide practical examples which can be immediately applied to the participant's actual work environment.

Participant survey results showed that performance outcomes, job performance, learning effectiveness, ROI, etc. improved significantly upon delivery of the customized courses.



# 认证书 — 用户认证项目 (CUP)

## Certificate

兹证明 / THIS IS TO CONFIRM THAT

公司 / Company :

业已成功掌握铸造模拟软件操作和实际应用, 经审核达到 CUP 的要求, 特授予此证书。

(HAS SUCCESSFULLY MASTERED, UNDER THE CERTIFIED USER PROGRAM (CUP), THE OPERATION AND APPLICATION OF CASTING SIMULATION PROGRAM).

**MAGMASOFT**  
autonomous engineering

模块 (Of Modules) :

证书编号 (CUP Number) :

发证日期 (Issue Date) :

Sunny Dou  
MAGMAacademy Manager

Mathieu Weber  
General Manager

迈格码 (苏州) 软件科技有限公司  
MAGMA Engineering (Suzhou) Co., Ltd.  
苏州市工业园区苏惠路 98 号圆德大厦 15 层 1515 室  
Phone: +86 512 6272 5820, Fax: +86 512 6272 5825  
[www.magma-software.com](http://www.magma-software.com)



符合条件的主要使用者成功完成认证项目并合理呈现报告, 方可通过迈格码用户认证考核。该认证考核按 MAGMASOFT® 模块分类, 用户可以参加多个模块的考核。

按原则, 考生必须在迈格码年度用户大会上做最终的报告呈现, 内容包括解释考核项目范围, 策略, 结果以及最终解决方案。一般情况下, 我们也允许在内部会议或用户现场做最终的报告呈现。

用户认证项目 (CUP) 证书将在迈格码年度用户大会上颁发。该证书不仅是对通过考核的主要使用者的肯定, 同时更是其所在公司有效使用 MAGMASOFT® 软件的资质证明。

通过认证的用户能够:

- 评估项目范围;
- 寻求项目目标和策略;
- 获取启动项目所需的工艺和质量数据;
- 有效设置和评估同一项目的多个版本;
- 与生产的相关部门交流模拟结果和解决方案。

考核条件:

1. 基础, 中级, 高级培训
2. 软件使用满一年

考核活动实施期: 6 月至 11 月

考核为期 1.5 天

# Certification — Certified User Program, CUP

The "MAGMA Certification of User" status is achieved by completing all three levels of MAGMASOFT® direct user training and successful completion of a certification project and presentation of a report. Users will be certified only for the modules of MAGMASOFT® which they use during their certification project work and therefore may wish to pursue multiple certification awards.

They must present a final report at our annual user meeting explaining the project scope, strategy, findings and eventual solution to a group of their peers. In some cases, we may allow the final report presentation to occur during an internal meeting or at customer's site.

Upon successful completion of this process, MAGMA will provide a certification to the users during our annual user group meeting.

This certification will also serve as notification that the organization employs a user(s) who can effectively apply that tool.

Certified Users will be able to:

- Assess the scope of a project;
- Develop goal(s) and strategy for project work;
- Acquire process & quality data needed to begin project work;
- Efficiently set-up and evaluate multiple versions within a project;
- Communicate simulation results and findings among all areas of their organization

Prerequisite:

- Basic, Process I, Process II
- Min. 1 year of MAGMA usage

Program Open Period: June – Nov.

Duration: 1.5 days



# 培训年历

## MAGMAacademy Calendar — 2018

MAGMAacademy Calendar in 2018



2018		一月 Jan					二月 Feb				三月 Mar			
周 Week		1	2	3	4	5	6	7	8	9	10	11	12	13
培训课 Training	基本 / 高级 I / II Basic /Process I / II													
	基本II BasicII			16-18								13-15		
研习班 Workshop	虚拟实验设计和优化 DoE & Optimization												20-22	
	重力有色研讨会 Seminar—Gravity NonFe Casting												30	
研讨会 Seminar	客户定制课程 Customer Dedicated Seminar													

2018		四月 Apr					五月 May				六月 Jun			
周 Week		14	15	16	17	18	19	20	21	22	23	24	25	26
培训课 Training	基本 / 高级 I / II Basic /Process I / II													
	基本II BasicII		10-12					8-10				5-7		
研习班 Workshop	5.4升级 Upgrade V5.4	预订5.4升级培训/Scheduled update training												
	虚拟实验设计和优化 DoE & Optimization			17-19										
研讨会 Seminar	黑色金属研讨会 Seminar—Ferrous					26-27								
	高压铸造研讨会 Seminar—HPDC												28-29	
研讨会 Seminar	客户定制课程 Customer Dedicated Seminar													

2018		七月 Jul				八月 Aug				九月 Sept				
周 Week		27	28	29	30	31	32	33	34	35	36	37	38	39
培训课 Training	基本 / 高级 I / II Basic /Process I / II													
	基本II BasicII	3-5					1-3				4-6			
研习班 Workshop	5.4升级 Upgrade V5.4	预订5.4升级培训/Scheduled update training												
	虚拟实验设计和优化 DoE & Optimization											11-13		
研讨会 Seminar	应力提升班 Stress refresher												28	
	客户定制课程 Customer Dedicated Seminar													

2018		十月 Oct				十一月 Nov				十二月 Dec				
周 Week		40	41	42	43	44	45	46	47	48	49	50	51	52
培训课 Training	基本 / 高级 I / II Basic /Process I / II													
	基本II BasicII		9-11					6-8					11-13	
研习班 Workshop	5.4升级 Upgrade V5.4	预订5.4升级培训/Scheduled update training												
	虚拟实验设计和优化 DoE & Optimization			16-18										
研讨会 Seminar	制芯模数 C+M				25-26									
	客户定制课程 Customer Dedicated Seminar													

- HPDC Basic II
- DoE-Fe
- NonFe Seminar-Hangzhou
- Sand Mold Casting Basic II
- DoE-NonFe
- Fe Seminar -Chengdu
- Gravity NonFe Casting Basic II
- C+M
- HPDC Seminar - Ningbo
- Stress refresher

\*活动最终解释权归MAGMAacademy所有。

迈格码（苏州）软件科技有限公司

地址：苏州市工业园区苏惠路98号国检大厦15层1515室，

邮编：215021

联系人：培训经理 豆子春

电话：+86 512 6272 8319

邮箱：s.dou@magma-soft.com

**MAGMA Engineering (Suzhou) Co., Ltd**

Room 1515 CIQ Tower

No 98 Suhui Road, Suzhou Industrial Park

Jiangsu Province, China 215021

Contact: MAGMAacademy Manager Sunny Dou

Tel: +86 512 6272 8319

Email: s.dou@magma-soft.com

