



## Schedule Overview

\* dates may vary or be canceled due to COVID 19



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### ARBURG, Inc.

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### ARBURG, Inc.

ARBURG Technology Center - Midwest  
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usa@arburg.com

### ARBURG, Inc.

ARBURG Technology Center - California  
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Printed in Germany

## CUSTOMER TRAINING USA

2024

## WIR SIND DA.

© 2024 ARBURG GmbH + Co KG | All data and technical information have been compiled with great care. However we accept no responsibility for correctness. Individual illustrations and information may deviate from the actual delivery condition of the machine. The relevant valid operating instructions are applicable for the installation and operation of the machine.

# ARBURG

Course	Elgin, IL overview
M-S	February 20 - 22
	March 13 - 15
	April 16 - 18
	May 14 - 16
	September 10 - 12
	October 8 - 10
	November 13 - 15
	December 10 - 12
SC-H	March 19 - 22
	October 29 - November 1
SC-E	February 6 - 9
	November 5 - 8
P	April 25 - 26
	September 26 - 27
PT	March 11 - 12
	November 11 - 12
LSR	June 11 - 14
R	February 12 - 14
	April 22 - 24
	September 23 - 25
	November 18 - 20

Irvine, CA overview	Course
M-S	January 24 - 26
	February 14 - 16
	April 2 - 4
	May 21 - 23
	June 19 - 21
	September 25 - 27
	October 16 - 18 (in Spanish)
	December 2 - 4
SC-H	March 12 - 15
	June 25 - 28 (in Spanish)
	November 19 - 22
SC-E	February 20 - 23
	October 8 - 11 (in Spanish)
	December 17 - 20
P	February 1 - 2
	October 24 - 25 (in Spanish)
	December 12 - 13
PT	February 12 - 13
	September 23 - 24
LSR	November 5 - 8
R	January 29 - 31
	March 5 - 7
	June 3 - 5
	October 21 - 23 (in Spanish)
	December 9 - 11

Ceghep de Thetford	Course
M-S	April 9 - 10 (in French)
	November 19 - 20 (in French)
P	April 11 - 12 (in French)
	November 21 - 22 (in French)

## Introduction



Dear valued Customer,

The trademark of the ARBURG injection molding machines is their versatility and flexibility. It is important therefore that you, our customer, should be able to obtain a full understanding and appreciation of its full capability.

For this particular reason ARBURG has put together this booklet to offer you and your technicians the possibility of participating in training courses which will enable you to acquire all the skills required to work with the ARBURG range of injection molding machines.

Contained within this booklet is our training schedule for 2024 which includes the current ARBURG training program subdivided into different courses according to your specific requirements. Training classes are offered at the ARBURG US-Headquarters in Rocky Hill, CT as well as at the two ARBURG Technology Centers in Irvine, CA, Elgin, IL and at CEGEP in Thetford Mines, Quebec.

Once you have selected the course that is most suitable for you please contact our training coordinator Alyssa Franco at (860) 667-6500. She will assist you with the respective arrangements.

Yours faithfully

ARBURG, Inc.  
Juergen Giesow

## General information

### Course times

8:30 AM - 4:30 PM

### Costs

**1 day** **free**

aXw training



Alyssa Franco

**2 days** **\$600.00**

PT (Plastics Technology Course)

P (Machine Intensive Course)

**2 days** **free**

with ARBURGXworld registration

M Virtual (Virtual Selogica Introduction)

**3 days** **\$800.00**

R (MULTILIFT Robot System Course)

**3 days** **\$800.00**

M-S (Machine Setting Course)

**3.5 days** **\$1000.00**

SC advanced (Service Course advanced)

**4 days** **\$1200.00**

SC (Service Course)

**4 days** **\$1500.00**

LSR (Processing Course)

Included: Extensive course documents  
and lunches.

### Room reservations

If you require any assistance making hotel arrangements, we would be glad to help. Course enquiries are also possible via our website.

### Registration / confirmation

Registration should take place no later than 2 weeks before the course commencement date.

We reserve the right to cancel the courses in case the min. number of participants is not reached.

For further information please call Alyssa Franco at (860) 667-6500.

If your machine is not listed, there are training courses available that can be held at your facility. Please contact ARBURG, Inc. for additional information.

Safety glasses and enclosed shoes are mandatory for participation.

## Our Trainers



Simon Blum



Stefan Scheibner



Tobias Pyka



Marc Maulbetsch



Nicholas Damewood



Timo Koenig



Daniel Mueller

## Training facilities



ARBURG, Inc., Rocky Hill, CT



ARBURG Technology Center – California, Irvine, CA



ARBURG Technology Center – Midwest, Elgin, IL

## Training facilities / Addresses

### **US-Headquarters**

ARBURG, Inc.  
644 West Street  
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2585 Millennium Drive  
Elgin, IL 60124  
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### **CEGEP DE THETFORD**

671, Boulevard Frontenac Ouest  
Thetford Mines, QC G6G 1N1

## Overview

### Machine

**M**

#### **Machine Setting Course**

Basic course for machine operation and programming theory and practice

### Virtual

#### **M Virtual SELOGICA Introduction course**

Virtual SELOGICA Introduction, programming in theory and practice without machine.  
aXw premium account mandatory.

### GESTICA

#### **GESTICA**

Basic course for machine operation of the ARBURG GESTICA controller, programming theory and practice

### Service

**SC-H**

#### **Service Course**

Hydraulic machines maintenance

**SC-E**

#### **Service Course**

Electric machines maintenance

**P**

#### **Intensive hands on Machine Setting Course**

### Automation

**R**

#### **MULTILIFT SELECT Robot System Course**

ARBURG Robot System MULTILIFT H  
ARBURG Robot System MULTILIFT V  
ARBURG Robot System MULTILIFT SELECT

### Technology

**PT**

#### **Plastics Technology Course**

Course on injection molding materials, processing, part and mold design, troubleshooting and process optimization

**LSR**

#### **LSR Processing Course**

### Digitalization

**aXw**

#### **aXw Info Seminar - virtual**



## Course description

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**Course objective:** Operation and processing with

ARBURG injection molding machines

**Target group:** Machine operators, set-up personnel and process engineers

**Precondition:** Basic knowledge of injection molding

WiFi capable notebook/touch pad for duration of training

**Extra:** Registered users of arburgXworld signed up for premium or premium Plus will have access to their own machine simulator/electrical prints while participating in course

**Course duration:** 3 days

**Cost of course:** \$800.00

**Documents:** Course manual with accompanying texts as a digital version

## Course content

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- Discussion of typical machine features
- Introduction and exercises involving on-screen controls
- Mold installation and setting of clamping unit
- Setting of injection unit, regarding different plastic materials and injection molded parts
- Optimization of machine setting
- Data collection and quality control
- Preventive maintenance

### Topics

M SELOGICA direct Setting  
Course Setting Course

### Machine

ALLROUNDER A/E  
ALLROUNDER H  
ALLROUNDER S  
ALLROUNDER T  
ALLROUNDER V  
ALLROUNDER GOLDEN EDITION

## Course description

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**Course Objective:** Functions and utilization of Selogica Controller on Arburg Injection Molding Machines

**Target group:** Machine operators, set-up personnel and process engineers

**Precondition:** Basic knowledge of injection molding

**Registered user of arburgXworld and signed up for Premium or Premium Plus**

**Course Duration:** 2 days

**Cost of course:** free

**Documents:** Course manual with accompanying texts

## Course content

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- Discussion of typical machine features
- Introduction and exercises involving on-screen controls
- Setting of clamping unit
- Setting of injection unit, regarding different plastic materials and injection molded parts
- Optimization of machine setting
- Data collection and quality control
- Preventive maintenance

### Topics

M SELOGICA direct Setting  
Course Setting Course

### Machine

ALLROUNDER A/E  
ALLROUNDER H  
ALLROUNDER S  
ALLROUNDER T  
ALLROUNDER V  
ALLROUNDER GOLDEN EDITION

## Course description

---

**Course objective:** Operation and processing with

ARBURG injection molding machines with GESTICA controller

**Target group:** Machine operators, set-up personnel and process engineers

**Precondition:** Basic knowledge of injection molding

WiFi capable notebook / touch pad for duration of training

**Extra:** Registered users of arburgXworld signed up for premium or premium Plus will have access to their own machine simulator/electrical prints while participating in course

**Course duration:** 3 days

**Cost of course:** \$800.00

**Documents:** Course manual with accompanying texts as a digital version

## Course content

---

- Discussion of typical machine features
- Introduction and exercises involving on-screen controls
- Mold installation and setting of clamping unit
- Setting of injection unit, regarding different plastic materials and injection molded parts
- Optimization of machine setting
- Data collection and quality control
- Preventive maintenance
- Assistant programs melt assist, flow assist, cycle assist, energy assist

### Topics

M                      GESTICA Setting Course

### Machine

ALLROUNDER A

ALLROUNDER H

ALLROUNDER S

## Course description

**Course objective:** Working with hydraulic and electric circuit diagrams, Relating the machine sequence to troubleshooting and testing, Preventive maintenance. Effective trouble shooting.

**Target group:** Service personnel, maintenance engineers, electricians, electronic engineers.

**Precondition:** Participation in an ARBURG M class or experience in setting up SELOGICA controlled molding machines. Basic knowledge of hydraulics, mechanics and electrics. WiFi capable notebook/touch pad for duration of training

**Extra:** Registered users of arburgXworld signed up for premium or premium Plus will have access to their own machine simulator/electrical prints while participating in the course

**Course duration:** 4 days

**Course fee:** \$1200.00

**Documents:** Course manual with accompanying schematics as digital version.

## Course content

- Introduction (overview and machine preparation)
- Machine's functional sequence with process diagram
- Important electrical, mechanical and hydraulic components
- Electrical and hydraulic circuit diagrams and machine components
- Possible malfunctions and troubleshooting
- Taking measurements from the machine (electrical and hydraulic)

### Topics

SC-H

SELOGICA Service Course

### Machine

ALLROUNDER S

ALLROUNDER T

ALLROUNDER U

ALLROUNDER V

ALLROUNDER GOLDEN EDITION

## Course description

**Course objective:** Perform hands-on mechanical work, Learn the internal construction of common components, Preventive maintenance. Resealing tactics.

**Target group:** Service personnel, maintenance engineers, electricians, electronic engineers.

**Precondition:** Attendance of a SC-H 101 or SC-E 101 class is required.

WiFi capable notebook/touch pad for duration of training

**Extra:** Registered users of arburgXworld signed up for premium or premium Plus will have access to their own machine simulator/electrical prints while participating in course

**Course duration:** 3.5 days

**Course fee:** \$1000.00

**Documents:** Course manual with accompanying schematics as digital version.

## Course content

- Introduction (overview and machine preparation)
- Mechanical / electrical work on water / cooling systems
- Mechanical / electrical work on barrels
- Mechanical / sealing work on the injection unit
- Mechanical / sealing work on the clamping unit

### Topics

SC-H SELOGICA Service Course advanced

### Machine

ALLROUNDER S  
ALLROUNDER T  
ALLROUNDER U  
ALLROUNDER V  
ALLROUNDER GOLDEN EDITION

## Course description

**Course objective:** Working with hydraulic and electric circuit diagrams, Relating the machine sequence to troubleshooting and testing, Preventive maintenance. Effective trouble shooting.

**Target group:** Service personnel, maintenance engineers, electricians, electronic engineers.

**Precondition:** Participation in an ARBURG M class or experience in setting up SELOGICA controlled molding machines. Basic knowledge of hydraulics, mechanics and electrics. WiFi capable notebook/touch pad for duration of training

**Extra:** Registered users of arburgXworld signed up for premium or premium Plus will have access to their own machine simulator/electrical prints while participating in the course

**Course duration:** 4 days

**Course fee:** \$1200.00

**Documents:** Course manual with accompanying schematics as digital version.

## Course content

- Introduction (overview and machine preparation)
- Machine's functional sequence with process diagram
- Important electrical, mechanical and hydraulic components
- Electrical and hydraulic circuit diagrams and machine components
- Possible malfunctions and troubleshooting
- Taking measurements from the machine (electrical and hydraulic)

### Topics

SC-E

SELOGICA Service Course

### Machine

ALLROUNDER S

ALLROUNDER T

ALLROUNDER U

ALLROUNDER V

ALLROUNDER GOLDEN EDITION

## Course description

---

**Course objective:** Perform hands-on mechanical work, Learn the internal construction of common components, Preventive maintenance. Resealing tactics.

**Target group:** Service personnel, maintenance engineers, electricians, electronic engineers.

**Precondition:** Attending a previous SC-H or SC-E 101 class is required.

WiFi capable notebook/touch pad for duration of training

**Extra:** Registered users of arburgXworld signed up for premium or premium Plus will have access to their own machine simulator/electrical prints while participating in course

**Course duration:** 3.5 days

**Course fee:** \$1000.00

**Documents:** Course manual with accompanying schematics as digital version.

## Course content

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- Introduction (overview and machine preparation)
- Mechanical / electrical work on water / cooling systems
- Mechanical / electrical work on the barrel
- Mechanical / electrical work on the injection unit
- Replacing frequency converters and power supplies
- Central Lubrication system maintenance

### Topics

SC-E SELOGICA Service Course advanced

### Machine

ALLROUNDER A / E

ALLROUNDER H

## Course description

---

**Course objective:** Gaining in depth knowledge on setting up a SELOGICA controlled molding Machine

**Target group:** Senior Process Technicians, Process Engineers, Molding manager and Plant Manager

**Precondition:** Participation of an ARBURG M class or several years of experience in setting up SELOGICA controlled molding machines.

WiFi capable notebook/touch pad for duration of training

**Extra:** Registered users of arburgXworld signed up for premium or premium Plus will have access to their own machine simulator/electrical prints while participating in course

**Course duration:** 2 days

**Course fee:** \$600.00

**Documents:** Course manual with accompanying text as digital version

## Course content

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- Finding Students will work to find the best process parameters for the product
- Instructor will only guide and supervise
- Focus on the use of the graphic and monitoring functions as well as SPC functions
- Use of different Plastic Materials

Topics	Control	Machine
P	SELOGICA direct	ALLROUNDER S
	Intensive Course	ALLROUNDER T
		ALLROUNDER U
		ALLROUNDER V
		ALLROUNDER GOLDEN EDITION



## Course description

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**Course objective:** Independent working with the MULTILIFT Robot System

**Target Group:** Set-up personnel, machine operators, production managers, mold manufacturers and mold designers

**Prerequisites:** Participation in a SELOGICA machine setting course (M class).

WiFi capable notebook/touch pad for duration of training

**Extra:** Registered users of arburgXworld signed up for premium or premium Plus will have access to their own machine simulator/electrical prints while participating in course

**Course duration:** 3 days

**Course fee:** \$800.00

**Documents:** Course manual with accompanying texts as digital version

## Course content

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- Introduction, operation and programming of the MULTILIFT Robot System
- Various applications of programming with gripper or vacuum take out sequence
- Good shot, bad shot, sample shot separation using the MULTILIFT
- Use of subroutines
- Preventative maintenance

### Topics

R

### Robot System

MULTILIFT H with SELOGICA control

MULTILIFT V with SELOGICA control

MULTILIFT SELECT with SELOGICA control

## Course description

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**Course objective:** Introduction to injection molding materials and processing

**Target group:** Machine operators, process engineers, production managers, controllers, sales, designers, planners

**Precondition:** Basic knowledge of injection molding and injection molding materials. WiFi capable notebook/touch pad for duration of training

**Extra:** Registered users of arburgXworld signed up for premium or premium Plus will have access to their own machine simulator/electrical prints while participating in course

**Course duration:** 2 days

**Course fee:** \$600.00

**Documents:** Course manual with accompanying texts as digital version

## Course content

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- **Injection molding materials**
- Structure and typical properties of injection molding materials
- Overview of common materials
- Amorphous and semi-crystalline injection molded materials
- **Injection molding process**
- Sequence of injection molding machine
- Influencing variables in injection molding
- Process parameters and their influence on injection molded parts
- Process optimization

### Topics

PT	Injection molding materials
	Injection molding process

## Course description

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**Course objective:** Developing knowledge of material properties and the injection molding of liquid silicones (LSR)

**Target group:** Installation technicians, machine operators, mold designers, process engineers

**Requirements:** Basic knowledge of injection molding and participation in a machine adjustment course (M)

**Course duration:** 4 days

**Course fee:** \$1500.00

**Documents:** Course manual with accompanying texts as a digital version

## Course content

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- Introduction to the structure/properties of plastics and LSR materials
- LSR-specific equipment of ALLROUNDERS
- LSR-specific programming, setting and monitoring of an injection molding machine
- Basics of LSR injection mould configuration
- Process optimisation
- Review of Material Chemistry (done by material manufacturer)
- Review of Silicone Pumping System (done by a pump supplier)
- Review of different Silicone Molds (done by a Silicone Mold Maker)

### Topics

PT	Injection molding materials
	Injection molding process

## Course description

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**Course Objective:** Working with arburgXworld to review the content and available features of the system. Learning how to work with the system and understanding what all is possible with arburgXworld.

**Target group:** Companies that are set up as an arburgXworld user and personnel that will have benefits working with the program.

**Precondition:** Being set up as an arburgXworld user

**Course Duration:** 1 day

**Cost of course:** free

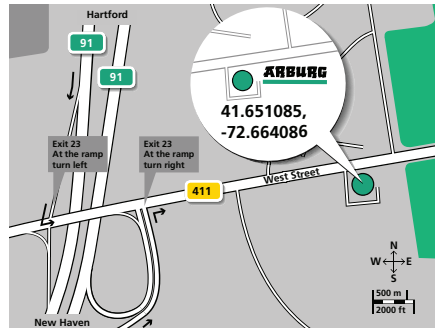
## Course content

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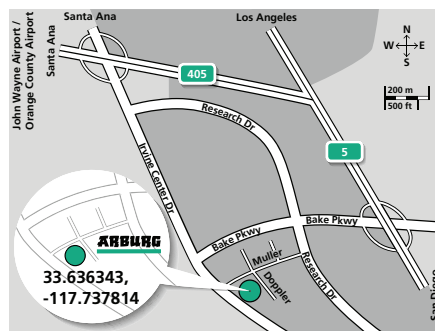
- Access information from your machine fleet
- Find and order spare parts online
- Analyze machine faults yourself
- Use of Virtual Twin of your machine
- Sizing an injection molding machine



## How to find us



Rocky Hill, CT



Irvine, CA



Elgin, IL

## Registration form

**To:** ARBURG, Inc. – Attn. Alyssa Franco  
alyssa\_franco@arburg.com

**From:**

Company: \_\_\_\_\_

Mr. /Mrs. \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

E-Mail: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

**Registration for a Training Class at:**

- ☐ ARBURG, Inc. - Rocky Hill, CT
- ☐ ARBURG, Inc. - Irvine, CA
- ☐ ARBURG, Inc. - Elgin, IL
- ☐ CEGEP DE THETFORD, Thedford Mines, QC

Type (M, SC, P, PT, R, LSR)	Date of Course	Participant

We have taken into account that liability claims against ARBURG are excluded in the event that a course participant should suffer injury on ARBURG's training premises.

\* Safety glasses and enclosed shoes are required for all training classes \*

\_\_\_\_\_  
Date, Signature

\_\_\_\_\_  
P.O. Number

\* Training seats are invoiced upon registration and are non-refundable \*





**M-S**

January 17 - 19  
February 7 - 9  
March 27 - 29  
May 20 - 22  
June 26 - 28  
September 18 - 20  
October 23 - 25  
November 20 - 22  
December 4 - 6

**M - virtual**

January 25 - 26  
February 22 - 23  
March 21 - 22  
April 25 - 26  
May 30 - 31  
June 20 - 21  
July 25 - 26  
August 29 - 30  
September 26 - 27  
October 28 - 29  
November 25 - 26  
December 19 - 20

**MS - GESTICA**

February 13 - 15  
October 15 - 17

**SC-H**

January 30 - February 2  
April 16 - 19  
October 8 - 11  
November 12 - 15

**SC-H advanced**

April 23 - 26  
July 9 - 12  
October 15 - 18

**SC-E**

March 5 - 8  
June 4 - 7  
September 10 - 13  
December 3 - 6

**SC-E advanced**

March 12 - 15  
June 11 - 14  
December 10 - 13

Course	Rocky Hill, CT overview
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<b>P</b>
April 11 - 12
October 3 - 4
November 7 - 8
<b>PT</b>
March 25 - 26
September 16 - 17
<b>LSR</b>
February 27 - March 1
<b>R</b>
February 19 - 21
April 8 - 10
September 1 - October 2
November 4 - 6
<b>aXw</b>
February 29
June 27
September 19
November 21