

BuhlerPrince Training 2026 Program Overview



Technical Education & Training

Course Descriptions

Hydraulics – Prince Machines

This course is a study of hydraulic principles, components, circuits and the required maintenance of fluids used on Prince die casting machines.

Content

- The circuits are studied one section at a time. The operation of each component and its purpose in the circuit are explained
- Extra attention is given to valves that are designed exclusively for use on die casting machines
- Troubleshooting procedures and methods are reviewed throughout the session

Dates

September 1 - 3, 2026

Times

8:00 a.m. - 4:00 p.m. (Tue - Thur)

Price

\$1,000

Instructor

Luis Quintana

Process Control

This course is designed to study the functions that the die casting machine provides to the die casting process.

Content

- Both the clamp end and the shot end of the machine are studied
- Shot profile interpretation and explanation
- Special machine components used to monitor and control machine functions are examined
- Shot traces, castings, power curves and capabilities are from machines running castings

Dates

September 9 - 10, 2026

Times

8:00 a.m. - 4:00 p.m. (Wed - Thur)

Price

\$900

Instructor

Luis Quintana

Maintenance of Carat Machines with Dataview

Content

- Design and operating principles
- Hydraulics and electronics
- Control engineering
- Electric safety doors, machine sensors, interfaces
- Fundamentals of hydraulics
- Safety devices
- Details of hydraulic components (pumps, valves, proportional control hydraulics)
- Analysis of operating trouble and tools
- How to troubleshoot
- Preventative maintenance and servicing of hydraulic systems

Dates

February 9 - 12, 2026

September 21 - 24, 2026

Times

8:00 a.m.- 4:00 p.m. (Mon - Wed)

8:00 a.m.- 12:00 p.m. (Thur)

Price

\$1,100

Instructor

Luis Quintana

Technical Education & Training

Course Descriptions

Setting up Carat Machines with Dataview

Content

- Design and operating principles of die casting machines
- Operation and installation
- Programming and setting
- Process settings
- Process monitoring
- Analysis of the die casting process
- Recognition of simple process or machine faults

Dates

February 24 - 26, 2026
October 27 - 29, 2026

Times

8:00 a.m. - 4:00 p.m. (Tue - Thur)

Price

\$1,000

Instructor

Luis Quintana

Die Casting Process Optimization

This training is made for Setup Technicians, Operating Technicians, Process Technicians, Process Engineers, Tooling Engineers and managers. This class is designed for those interested in learning how to enhance the die casting process. This course will teach you how to optimize your die-casting process to increase productivity, improve quality, and maximize cost efficiency.

Content

- Understanding the die-casting process
- Principles of metallurgy
- Analyzing casting parameters
- How to recognize process errors and their causes
- How to optimize the die-casting process
- How to protect the die during casting
- How to recognize statistical correlations
- Spraying technology and die tempering
- How to run casting trials
- By the end of the course, you will be able to optimize your die-casting process with effective troubleshooting, die protection, and statistical data. It can help you reduce cycle time and waste, while improving quality and productivity.

Dates

October 20 - 22, 2026

Times

8:00 a.m. - 4:00 p.m. (Tue - Thur)

Price

\$1,100

Instructor

Luis Quintana



Technical Education & Training

Course Descriptions

Die Design*

In this course you will learn about the most important aspects of die design. We want to enable you to increase product quality, reduce cycle time, and improve productivity and efficiency.

Content

- The basics of good die design
- Principles of die casting and flow technology
- Guidelines for die design
- Calculation of the machine size
- Casting technology calculation
- Calculation of overflows and venting
- Runner design
- Guidelines for thermal die regulation
- Analysis of simulations

Dates

November 2 - 5, 2026

Times

8:00 a.m. - 4:00 p.m. (Mon - Thur)

Price

\$3,200

Instructor

To be determined

New Course!

*Advanced Course

Instructor: Luis Quintana

After obtaining a degree in Mechanical Engineering, and an MBA, Luis started his die casting career in Mexico developing Total Productive Maintenance and Preventive Maintenance workshops. In 2014 he became a die casting process engineer and in 2016 moved to the U.S, continuing with process activities and analyzing manufacturing processes. Luis joined BuhlerPrince in 2018 as a Die Casting Application Technology Engineer. In his spare time, Luis enjoys spending time with friends and traveling.



Technical Education & Training

Additional Class Information & Registration

We can also provide customized training at your facility.
Contact us for a proposal tailored to your needs.

Location

BuhlerPrince
670 Windcrest Drive
Holland, MI 49423
Phone: 616 394 8248
Fax: 616 394 1250

Questions

Kathy Perkins
Phone: 616 394 8248 / kathy.perkins@buhlergroup.com
Luis Quintana
Phone: 616 394 8234 / luis.quintana@buhlergroup.com

BuhlerPrince reserves the right to cancel if the minimum number of attendees is not met.

Registration

To register and for updated information, please visit <https://buhlerprince.eventbrite.com>

Recommended Hotel (Ask for Bühler rate)

Home2Suites

616 377 7905
3140 Westshore
Dr. Holland, MI 49424

Holiday Inn Exp

616 738 2800
12381 Felch Street
Holland, MI 49424

Hampton Inn

616 399 8500
12427 Felch Street
Holland, MI 49424

Tulyp Tapestry by Hilton,

616 796 2100,
61 E 7th St,
Holland, MI 49423

Morning refreshments, lunches, and course materials are included.



Scan to register

BuhlerPrince

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Holland, MI 49423
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