

HYDRAULICS AND MECHANICAL BASICS FOR DIE CASTING – FRECH SYSTEMS

This foundational course introduces the mechanical systems at the core of high-pressure die casting machines, with a specific focus on FRECH hot and cold chamber machines.



Topics covered:

- Mechanical fundamentals (force, torque, motion, friction)
- Fundamentals of hydraulic power and fluid behavior
- FRECH hydraulic architecture: system and function
- Schematic Interpretation
- FRECH die casting machine structure and components
- Die cast machine leveling and shot end alignment
- Preventative maintenance and troubleshooting

Price: \$1,900 per person

Dates: October 29-31, 2025

Duration: 2.5 days

Location: Frech USA,
6000 Ohio Street,
Michigan City, IN 46360

Includes:

- Technical Education Documentation
- Lunch each day
- Certificate of completion

Format: Instructor-led classroom with hands-on demonstrations.

Who: Operators, Maintenance, Engineering

Prerequisites: None required.

WHERE DIE CASTING PROCESSES ARE DEVELOPED & IMPROVED

The Experience Center is designed to give customers a hands-on environment to explore, test, and optimize die casting processes using advanced FRECH technology.

The Experience Center is equipped with fully functional FRECH Group technologies, providing a complete, integrated die casting solution.

**Experience
Center**

Instructor: Caleb Giovannucci

☎ (219) 874-2812 ✉ cgiovannucci@frechusa.com

🌐 <https://www.frechusa.com/our-services/training>

FRECH HYDRAULICS AND MECHANICAL BASICS

TRAINING COORDINATOR OR MAIN CONTACT

COMPANY

TITLE

COMPANY ADDRESS - STREET NAME

CITY

STATE

ZIP

EMAIL ADDRESS

PHONE NUMBER

PURCHASE ORDER #

\$1,900.00 PER SEAT (PLEASE FILL IN HOW MANY SEAT NEEDED)

	NAME	TITLE	EMAIL	PRICE
1				
2				
3				
4				
			TOTAL	

SEND TO:
BRENDA RUNNELS, CONTROLLER
BRUNNELS@FRECHUSA.COM

RECOMMENDED HOTEL

219 - 243 - 8300

401 Kieffer Rd.
Michigan City, IN 46360



(219) 874-2812



6000 Ohio St.
Michigan City, IN 46360

DIE CASTING EXCELLENCE
WWW.FRECHUSA.COM