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VISIT US

FONDAREX®

**NEW
FONDAREX
TECHNOLOGIES**



FX PMS



Welcome to our innovative integrated system – the perfect solution for your FX UNITS! The FX PMS (Periphery Management System) offers you central control and monitoring of all functions, making your processes more efficient. With a clear 22" touchscreen, we provide intuitive operation that simplifies and optimizes your workflows and increase productivity.

- Maximum efficiency through central control
- Intuitive operation on 22" touchscreen
- Easy handling and maintenance

FX VAC



Our proven performance and reliability in vacuum systems are now available in the form of a new system that combines years of experience with innovative designs. Available either as a stationary 12-channel system or as a mobile option with up to 4 channels. Developed with a focus on innovative applications in the field of e-mobility and/or gigacasting to make your die-casting processes more efficient and reliable.

- Controls chill vents, mechanical and hydraulic valves
- Pollution control, vacuum measurement, profile control per channel as standard
- Vacuum regulation as well as evacuated air volume calculation as standard
- Robust and compact vacuum channel easy to maintain

Chill vents
Kinetic valves
Hydraulic valve





FX JET

“Manufacture cast parts in high quality” is the motto that Fondarex to develop a new concept of evaporative cooling with groundbreaking technology and a new strategy for managing jet cooling. The Fondarex jet offers numerous advantages that can enhance the productivity and efficiency of your casting processes. One of the outstanding features of the FX JET is its modular design, allowing you to expand from 1 to 8 independent cooling channels.

- 8 to 64 individually monitored jet pins
- Flow, temperature, and dissipated heat monitoring per jet pin
- Reliable pressure supply by an energy-saving frequency-controlled pump
- Reproducibility of the cooling performance
- Complete traceability of the process parameters

Nozzle



FX SQUEEZE

The ideal complement to FX VAC and FX JET for reducing shrinkage porosity inside the casting. The FX SQUEEZE can control and operate up to 12 independent squeeze cylinders to locally feed alloy shrinkage during solidification.

- Reduce shrinkage porosity,
- Custom hydraulic pressure supply (based on conventional water-glycol) that operates independently of the hydraulic system of the die casting machine.
- Individual control for each cylinder (the start of the squeezing process and the squeezing force for each individual cylinder are adjustable)
- Ramp-like force buildup (gradual force buildup of each of the cylinders)



VACUUM



March 11-13
in German
Dillingen, Germany



March 18-20
in English
St-Légier, Switzerland



October 7-9
in German
Dillingen, Germany



October 14-16
in English
St-Légier, Switzerland

FX TECHNOLOGY*



April 15-17
in German
Dillingen, Germany



April 22-24
in English
St-Légier, Switzerland



June 5-6
in English
St-Légier, Switzerland



September 9-11
in German
Dillingen, Germany



September 17-19
in English
St-Légier, Switzerland

*** FX VAC / FX JET / FX SQUEEZE / FX PMS**

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