



**FONDAREX®**

## **PROGRAM – FX TECHNOLOGY TRAINING MEXICO, QUERÉTARO**

**THURSDAY, 26.3.2026**

|                       |                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------|
| 08:30                 | Welcome                                                                                               |
|                       | Mold evacuation with FX VAC                                                                           |
| <b>FX<br/>VAC</b>     | Fondarex vacuum technology: principle / vacuum systems / applications                                 |
|                       | Vacuum die casting, simulation, getting ready for the use of vacuum                                   |
|                       | Workshops: Vacuum systems; operation and maintenance /                                                |
|                       | Vacuum valves / vacuum vents                                                                          |
|                       | Workshop: Vacuum application studies; workout, calculation, philosophy, gating system, vacuum channel |
|                       | Various practical exercises / open points / discussions                                               |
|                       | Lunch                                                                                                 |
| <b>FX<br/>JET</b>     | Local cooling of hot spots with FX JET                                                                |
|                       | Jet Cooling: process, effects                                                                         |
|                       | Nozzle geometry, process parameters, effects on cooling performance                                   |
|                       | Design and shape of cooling channels                                                                  |
|                       | Jet cooling in die casting process simulation / design and possibilities of the FX JET                |
|                       | Decentralised feeding with FX SQUEEZE                                                                 |
| <b>FX<br/>SQUEEZE</b> | Volume shrinkage of the melt during solidification                                                    |
|                       | Mechanism of feeding / squeeze                                                                        |
|                       | Squeezing in die casting process simulation                                                           |
|                       | Potentials and risks                                                                                  |
|                       | Design and possibilities of the FX SQUEEZE                                                            |
|                       | Operation, settings                                                                                   |
|                       | Application study, design of the squeeze areas                                                        |
| 18:30                 | Dinner                                                                                                |