**Low-Risk Virtual Commissioning**

Performing machine-level integration testing with a model-driven Digital Twin

- **75% Reduction in integration risks**
- **50% - 100% Lower project cost overruns**
- **Develop better control strategies**

**How it Works**

1. **Build the Mechanism in MapleSim**
   - Import CAD data for ready-made, validated mechanical components
   - Iterate quickly to improve the design
   - Create the mechanism using drag-and-drop, customizable components
   - Define motion profiles
   - Functional verification
   - Motor sizing
   - Vibration analysis
   - Parameter optimization

2. **Actuate & Analyze**
   - Use the FMU in common automation software (such as B&R Automation Studio)
   - Deploy to the PLC with greater confidence during commissioning
   - Test and validate PLC code with the FMU

3. **Virtual Commissioning**
   - Deploy to the PLC and optimize machine performance

Make Virtual Commissioning your Reality

**Ask Us How**

www.maplesoft.com

Go Beyond Virtual Commissioning with MapleSim

- Reduce sensor requirements with model-based controllers
- Online diagnostics that yield better insight into issues
- Pervasive purpose-built applications for optimizing machine performance