

**Axis
synchronisation**

With nanosecond level jitter

**Stage & AIS control**


Stage and active isolation system control in real-time

**Trajectory
management**

Outstanding trajectory management

ULTIMET ADVANCED

Motion controllers

 *Engineered for semiconductor equipment
Suitable for all high-end positioning systems*

ULTIMET ADVANCED motion controller offers unparalleled performance and flexibility for advanced motion control applications.

ULTIMET ADVANCED is a robust and versatile multi-axis motion controller, designed to meet the evolving demands of modern industrial processes. Featuring a quad-core processor with one core dedicated to user-defined control algorithms, it provides exceptional intrinsic performance and flexibility to customize control strategies for various applications.

The controller supports ETEL Software Modules (ESM) for platform enhancements and offers seamless integration with existing motion systems.

HIGH-PERFORMANCE COMPUTING

This system boasts outstanding computation power within our real-time control architecture, enabling complex tasks to be executed locally without compromising performance.

DATA PROCESSING CAPABILITIES

Its real-time operating system allows for local data processing and logging, enhancing machine performance without compromising motion control precision.

EXTENDED INTERFACING

The controller's enhanced interfacing capabilities facilitate direct integration of additional sensing devices into the control loop, improving both performance and throughput.

COST-EFFECTIVE SOLUTION

It comes with a free embedded real-time operating system, eliminating the need for expensive dedicated hardware or software licenses.

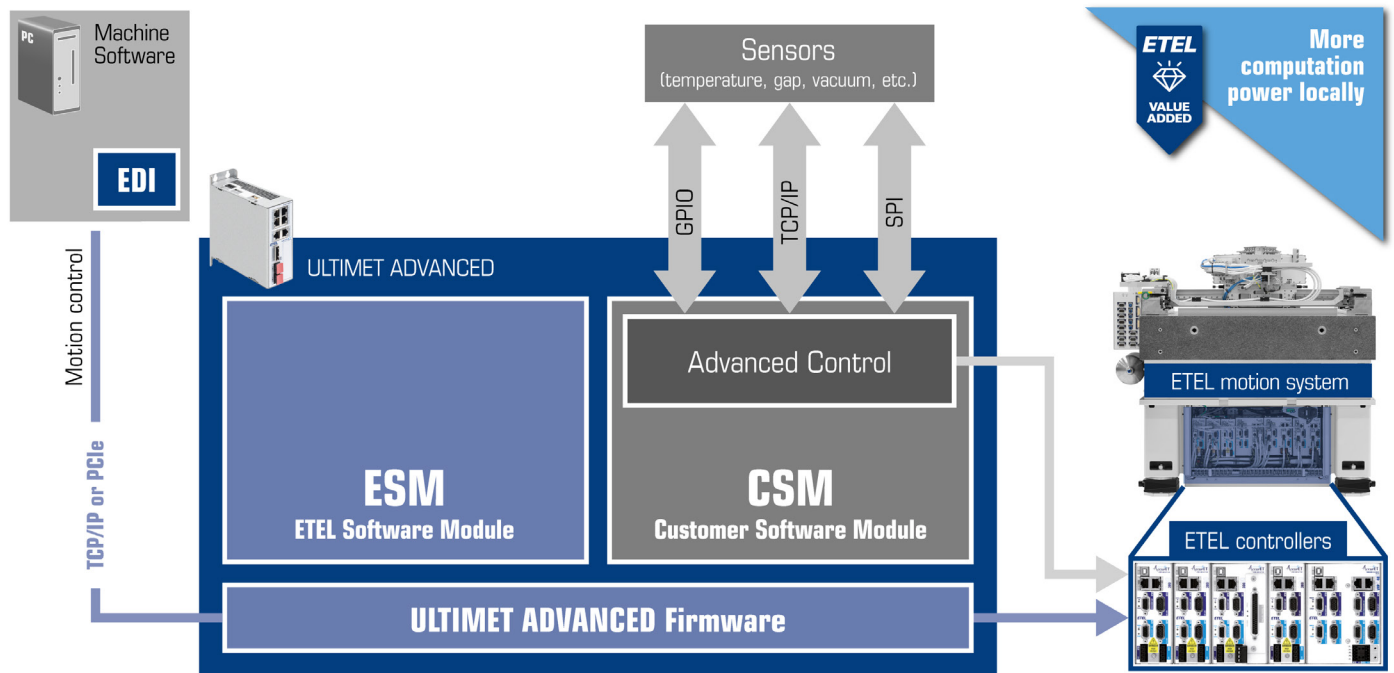
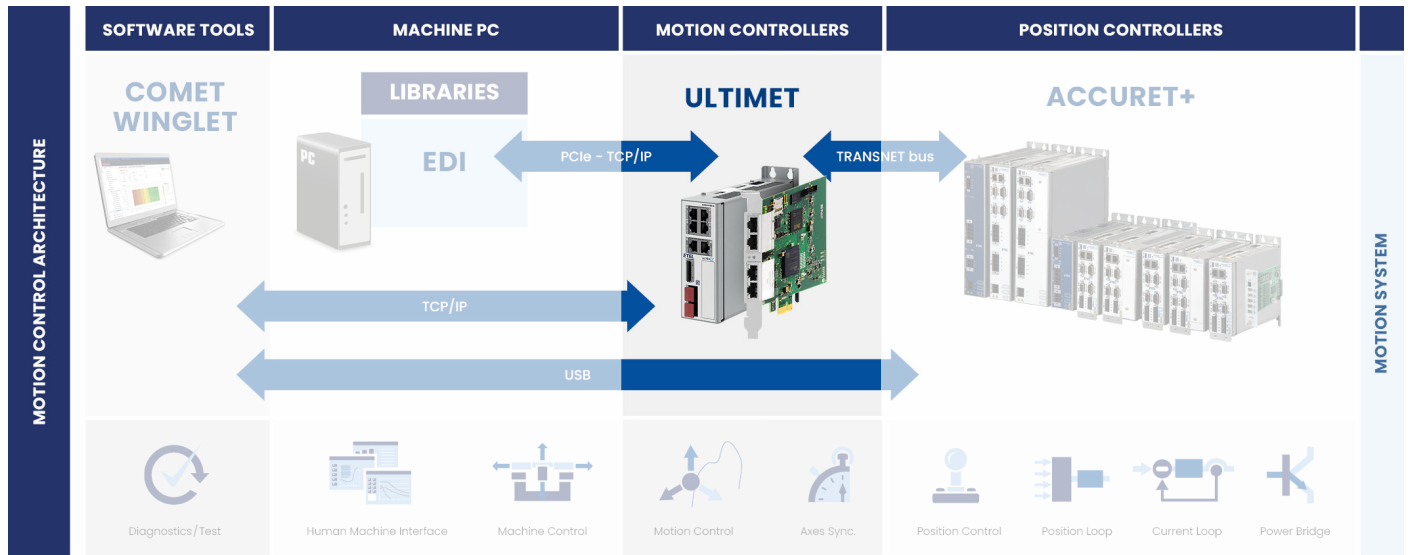
EASE OF INTEGRATION

With the same footprint and mounting principle as the AccurET48 position controller, ULTIMET ADVANCED offers easy installation and seamless upgrade options for existing configurations.

USE CASES

The open-core architecture can be applied in various scenarios to enhance process performance, capabilities, and overall reliability across multiple industries.

- > Quad-core ARM processor with a dedicated user core
- > Hosts a real-Time operating system for user code
- > Supports active isolation systems (QUIET) and advanced metrology architectures
- > Opens more interfacing options for machine control



More info



Ver. 1.1

PRECISELY. **ETEL**