# OEM *SAFphire*™ Fixed I/O High Speed Programmable Controller

OEM OVERVIEW

OEM SAFphire provides proven SAFphire technology in a fixed I/O configuration, scaled down to meet the demands of an OEM market. OEM SAFphire can provide the same complex drive coordination controlling linear variables as SAFphire.

OEM SAFphire is a series of products all based on proven SAFphire hardware and software. Each version of OEM SAFphire combines the identical processing core of SAFphire with inputs, outputs and communication capabilities designed for specific applications. The same programming software and function blocks are available for OEM SAFphire that exist for SAFphire.

Flexible Configuration
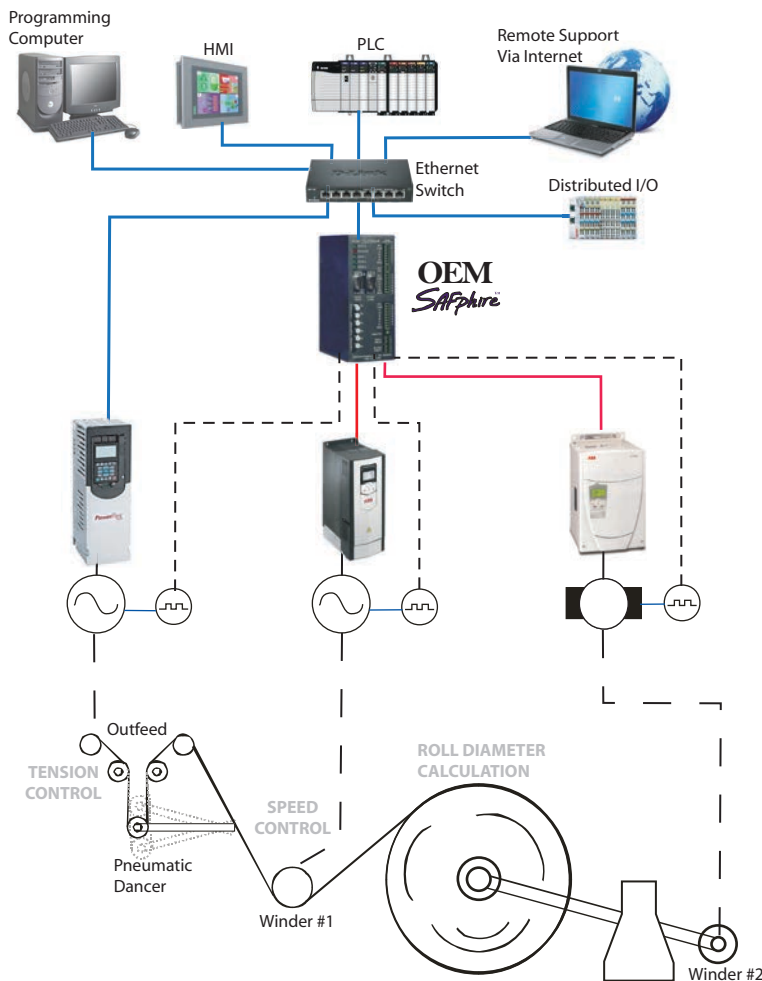
OEM DDCS VERSION

SAF has created an OEMDDCS version specifically for applications that require coordination of SAF or ABB Drives. OEMDDCS includes 3 encoder input channels, Serial and Ethernet ports for communications to PLCs, MMIs and 3 DDCS fibre optic channels for communications to SAF DD306/312, ABB ACS880, ACS800 or DCS800 drives.

All of the hardware inputs and outputs found on the drives can be accessed over the fiber optic DDCS link, eliminating the need and cost of local inputs and outputs on the controller itself. OEM SAFphire combines exceptional performance and flexibility into a small form factor, DIN rail mount package.

Why Consider OEM SAFPHIRE

• **Proven Hardware** - Proven over years of industrial use, OEM SAFphire provides the high speed processing power required for drive communications as well as for connectivity to leading PLC's and HMI's.

• **Repeatable Engineering** - Groups of blocks that perform specific functions can easily be reused throughout a project and replicated from project to project ideal for OEM applications.

• **Predefined Function Blocks** - SBL has a library of function blocks contains 150 predefined, tested blocks designed specifically for drive systems, with functions that range from simple math functions to logic functions to more complex blocks.

• **Simulation** - Included in the library are Simulation blocks that allow for total system simulation. Not only can individual drive motor and load combinations be simulated, but also system wide variables such as tension and position.

SAF Drives Inc.

www.safdrives.com