WHY CHOOSE AN ON-MACHINE SOLUTION?

An On-Machine™ solution is a decentralized equipment design approach that helps reduce the challenges seen in cabinet-based solutions for End Users.

Centralized
- Reduce installation cost
- Increase flexibility
- Eliminate most wiring errors
- Increase production floor space
- Reduce downtime for replacement

Decentralized
- Increase reliability
- Reduce cooling needs
- Reduce noise associated with long wire runs
- Requires less training and expertise

An On-Machine solution offers

A simpler, more modular approach to machine design lowers total costs

Moving controls and hardware out of the cabinet — and closer to the application — saves floor space and minimizes time to deploy

Quick connect technology speed design installation and maintenance — and improve productivity and flexibility

On-Machine solutions are environmentally robust, helping to reduce risk of failure

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<thead>
<tr>
<th>CENTRALIZED</th>
<th>DECENTRALIZED</th>
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<tbody>
<tr>
<td>PLC</td>
<td>Integrated control &amp; I/O</td>
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<tr>
<td>Managed switch</td>
<td>Easy field changes</td>
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<tr>
<td>Disconnect</td>
<td>Plug-n-play with quick-connections</td>
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COST COMPARISON

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<thead>
<tr>
<th></th>
<th>Design &amp; engineering time</th>
<th>Installation time</th>
<th>Change-over time</th>
<th>Wiring errors</th>
<th>Downtime for replacement</th>
<th>Enclosure floor space</th>
<th>Hardware cost</th>
<th>Total system cost</th>
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<tbody>
<tr>
<td>Centralized</td>
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WHY ARMORKINETIX DISTRIBUITED SERVO DRIVES

It is now possible to simplify designs, reduce costs and create the next generation of performance machines.

WHY ARMORKINETIX DISTRIBUTED SERVO DRIVES

It is now possible to simplify designs, reduce costs and create the next generation of performance machines.

Innovative Design

Revolutionize your next machine design using the power of decentralized motion control. Our industry leading distributed servo drives help you build machines with fewer components, smaller footprints and increased scalability.

The ArmorKineticx platform features:
- Compact designs with best-in-class power density
- Virtual torque sensing
- IP66/67 rated housings

Operate Leaner, Greener Smart Machines

Revolutionize your next machine design using the power of decentralized motion control. Our industry leading distributed servo drives help you build machines with fewer components, smaller footprints and increased scalability.

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- Compact designs with best-in-class power density
- Virtual torque sensing
- IP66/67 rated housings

Quick Integration and Unified Experience

Speed your time to value with a servo drive solution that is easy to install and intuitive to understand. Using Premier Integration you can program system motion, power, control and safety in one programming environment. Then, after the system is operational, you can benefit from a consistent On-Machine experience to act swiftly and make informed decisions.

Energy Efficiency

Looking to advance your sustainability goals? These servo drives feature minimal derating meaning that you can right-size your motor/drive pairing for better energy performance and increased longevity. Plus, since it is field-mounted, you can reduce or eliminate the costs associated with enclosure temperature control.

Extended Power Range

ArmorKineticx servo drives scale to your application needs with a portfolio that reaches up to 5.5kW. This enables you to expand the value of ArmorKineticx across multiple motion processes and create your ultimate smart machine.

Safety & Security

Safety and security are critical to reducing your risk exposure and advancing productivity. The ArmorKineticx platform features Integrated Advanced Safety and CIP Security in a single cable solution. This reduces costs and simplifies the safety network so your machines get up and running faster.

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Predictive Analytics and Diagnostics

By using data-rich information from the drive’s integrated vibration and thermal sensors, you can gain new insights into your machines to improve your predictive maintenance and avoid unplanned downtime. If an issue does occur, it is easy to quickly swap out or bypass the drive to keep production moving.

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