WHY CHOOSE AN ON-MACHINE SOLUTION?

An On-Machine™ solution is a decentralized equipment design approach that eliminates the challenges seen in cabinet-based solutions for OEMs.

- Meet aggressive timelines
- Decrease installation costs
- Reduce exposure to risk
- Increase system value

WHY CHOOSE AN ON-MACHINE SOLUTION?

An On-Machine™ solution is a decentralized equipment design approach that eliminates the challenges seen in cabinet-based solutions for OEMs.

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

COST COMPARISON

<table>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>Centralized</td>
<td>$$</td>
<td>$$</td>
<td>$$</td>
<td>$$</td>
<td>$$</td>
<td>$$</td>
<td>$$</td>
<td>$$</td>
</tr>
<tr>
<td>Decentralized</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$$</td>
</tr>
</tbody>
</table>
WHY CHOOSE AN ARMORKINETIX DISTRIBUTED SERVO DRIVE?

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

Create Leaner, Greener Smart 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 ArmorKinetix® platform features:
- Compact designs with best-in-class power density
- Virtual torque sensing
- IP66/67 rated housings

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.

INTEGRATED VIBRATION SENSING
Harness the power of data using integrated vibration sensors that enable synchronized torque and vibration feedback in the same data set. Vibration data can be used to create a unique machine signature that can be analyzed to identify potential issues and enhance design performance.

PREDICTIVE ANALYTICS AND DIAGNOSTICS
By using data-rich information from the drive, you can gain new insights into your machine 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.

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

SAFETY & SECURITY
Safety and security are critical to reducing your risk exposure and advancing productivity. The ArmorKinetix 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.

DISTRIBUTED SERVO DRIVE
- 200 / 400V class product
- CIP Security
- IP66/67 rated
- Device Level Ring capable
- Connect any combination of 24 Distributed Servo Drives and Distributed Servo and Motors in each ring
- Advanced integrated safety – SIL 3
- Zero stack mounting

Supports the following motors:
- Kinetix® VP Motors 63mm to 130mm frames
- Kinetix® MP Motors with Hiperface sin/cos feedback in 100mm to 150mm frame sizes
- Linear motors
- Induction motors with open loop, incremental TTL, and generic SIN/COS

How Could Your Machines Benefit?
MORE FLEXIBLE | MORE MODULAR & EXPANDABLE | MORE SUPPORTABLE

DISTRIBUTED SERVO AND MOTOR
- 200 / 400V class product
- CIP Security
- IP66/67 rated
- Device Level Ring capable
- Connect any combination of 24 Distributed Servo Drives and Distributed Servo and Motors in each ring
- Standard encoder or Safety SIL 2 encoder
- Holding brake option

Features an integrated Kinetix® VPL motor in the following frame sizes:
- 70mm
- 100mm
- 115mm
- 130mm