


# 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.

✓



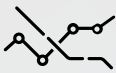
Meet **aggressive timelines**

✓




Decrease **installation costs**

✓

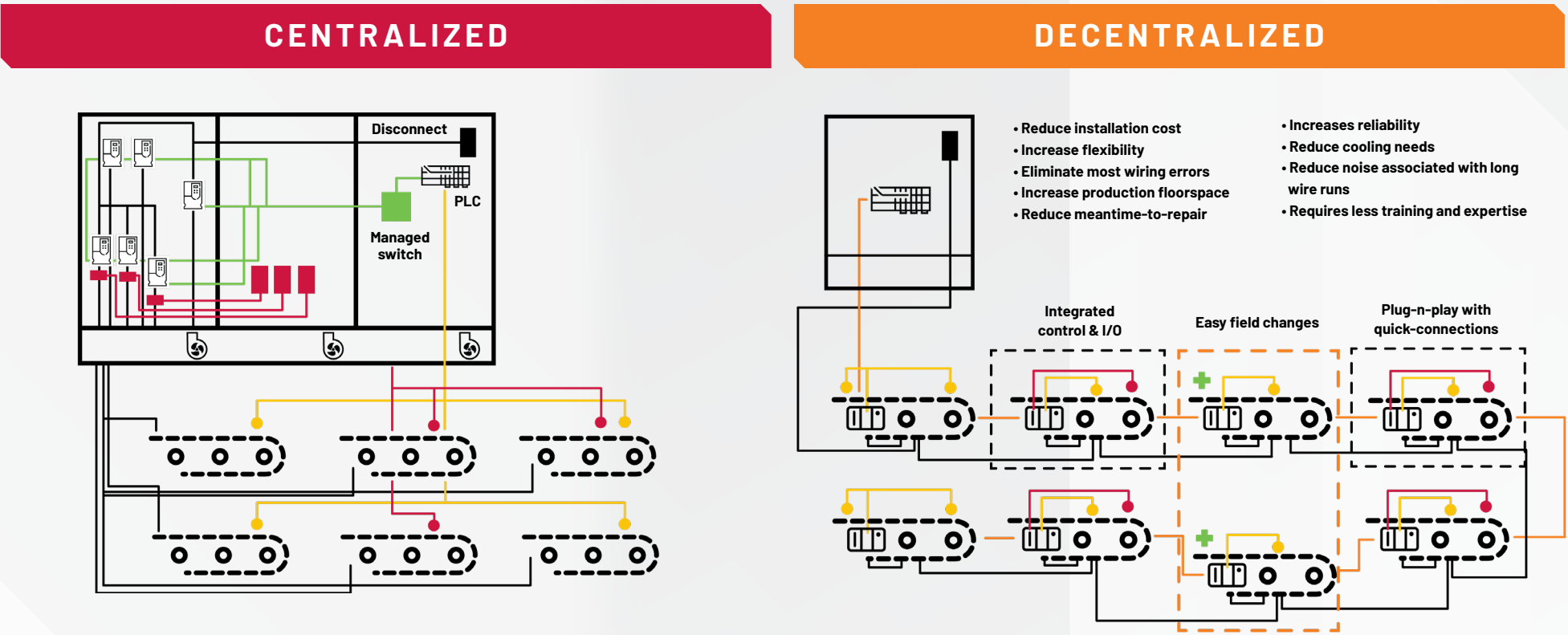


Reduce **exposure to risk**

✓



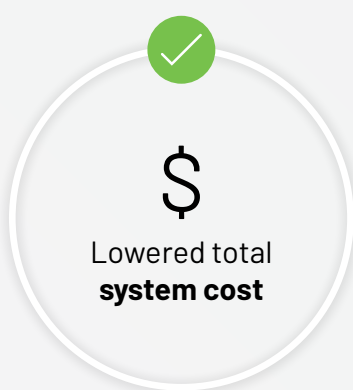
Increase **system value**



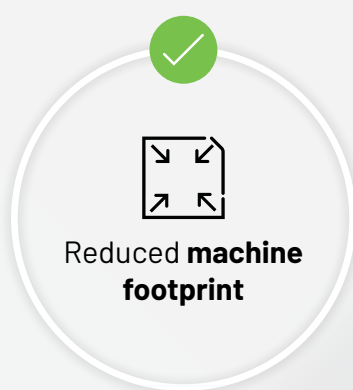


# WHY CHOOSE AN ARMORKINETIX DISTRIBUTED SERVO DRIVE?

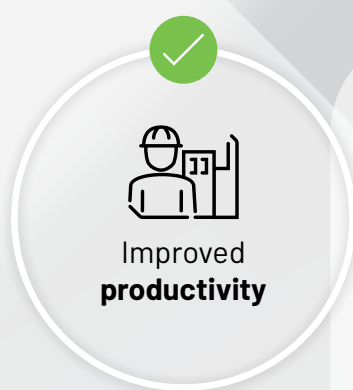
It is now possible to simplify designs, reduce costs and create the next generation of performance machines.



Lowered total  
**system cost**



Reduced **machine**  
**footprint**



Improved  
**productivity**



Increased  
**uptime**

## 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.

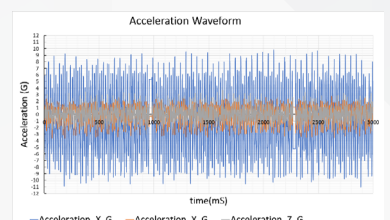
The ArmorKinetix® platform features:

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



### 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.



### 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.



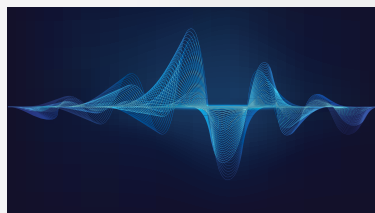
### EXTENSIVE POWER RANGE

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.



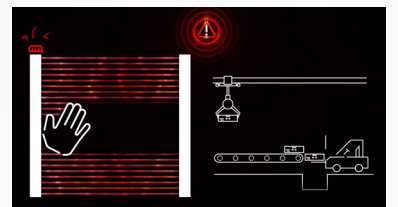
### INTEGRATED VIBRATION SENSING

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.



### 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.



## How Could Your Machines Benefit?

**MORE FLEXIBLE** | **MORE MODULAR & EXPANDABLE** | **MORE SUPPORTABLE**

### 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 130mm frame sizes
- Linear motors
- Induction motors with open loop, incremental TTL, and generic SIN/COS



### 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:

- 75mm
- 100mm
- 115mm
- 130mm

