Why machine adaptability looms as the critical success factor

Packaging

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How machine builders can enhance packaging production speeds

Machine performance guarantees allow end users to operate with quantified production certainty

When a packaging machine on the factory floor stops, overall production drops and costs accelerate. Unanticipated downtime is a big end user concern and machine builders are challenged to not only maintain their machines in optimal working order but to also accelerate the pace of package production.

In fact, most end users don't really want machines at all — they want the productivity that those machines promise to deliver. Thanks in part to new digitization tools, leading-edge machine builders are beginning to offer machine productivity guarantees.

Tools like EcoStruxure Machine Advisor now provide machine builders with the confidence to execute precise tracking, monitoring and fixing of plant floor machines while offering end users mutually beneficial pay- per-use options on their machines.

Sustainable package design: an important step towards abolishing waste

Machine builders, manufacturers and technology providers now join consumers in prioritizing product reuse efficiencies

Eco-friendliness is emerging as a clear packaging industry concern. As more and more plastic clogs landfills and ocean waters, the demand is growing for new eco-packaging solutions. Machine builders are responding by designing smart machines capable of producing reusable product packaging. In turn, manufacturers are positioning themselves to offer “wastefree shopping” whenever customers purchase their packaged goods.

Schneider Electric has for years offered packaging industry machine builders a wide and deep solution portfolio. New generation digitalized engineering tools offer industry-specific function blocks and Tested, Validated, Documented Architectures (TVDAs), making it easier and less costly for machine builders to produce sustainable designs. Specialized tech teams across the globe support OEMs on their journey towards building machines that will produce a new generation of highly sustainable and earth-friendly packaging.

Adaptable packaging machines a prerequisite for business growth

Machines that adapt to upstream deviations allow manufacturers to address fast changing consumer demands

To accelerate time-to-market, machines on the factory floor must be highly adaptable to changing conditions. In order to achieve expected levels of flexibility, manufacturers are challenging their machine builders to produce machine designs that, from the same basic frame, are capable of easily adopting new features.

Schneider Electric supports machine builders in addressing these challenges by offering modular and connected solutions that remove the complexity of machine adaptability. PacDrive technology, for example, provides easy-to-use templates which modularize the machine. The Modicon M262 also offers built-in function blocks and libraries that facilitate quick adaptation. Software tools ensure that quick changes to the machine occur with little or no reprogramming. New servo motors, for instance, can be added outside of an original cabinet and connected with a cable, without altering the original programming code.

See how new tools and software make machines more adaptable …

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Grow your business

Machine Builders, industry stakeholders and technology manufacturers are entering a new era. Industry 4.0 places new demands on all parties and, at the same time, is opening doors to higher productivity, new business growth opportunities, and new service business models.

Schneider Electric is well positioned to support machine builders and manufacturers with digital transformation by offering expertise in open IIoT-ready architecture platforms such as EcoStruxure for Machine Builders, which link connected hardware and software products such as TeSys island, Modicon M262, and EcoStruxure Machine Advisor to both the cloud and to local edge environments. Together these technologies support machine builders, throughout the machine lifecycle, by reducing time-to-market by up to 30% through simplified design and engineering, by driving 40% faster commissioning integration, and by generating up to 50% in diagnosis and corrective action time savings.

Find out more about our OEM program

EcoStruxure™ Machine

Innovation At Every Level

EcoStruxure™ Architecture

Packaging & Food & Beverage Machinery | Material Handing | Material Working | Hoisting | Pumping | HVAC

Apps, Analytics & Services

AVEVA Software*
Asset Performance
Monitor and Control

EcoStruxure Machine Advisor
EcoStruxure Secure Connect Advisor

EcoStruxure Augmented Operator Advisor

Edge Control

Magelis
IIoT Box and Industrial PC

PacDrive
Motion & Automation Controllers

Modicon
Machine Controllers

EcoStruxure
Machine Expert

EcoStruxure
Machine SCADA Expert

Connected Products

End-to-end Cybersecurity

Cloud and/or On Premise

Magelis
HMI

Harmony
Control & signaling

Zelio
Relays

Sensors &
RFID

TeSys
Motor control

Altivar
Variable Speed
Drives

Preventa
Machine Safety

Lexium
Motion Control &
Robotics

Industrial
UPS

Compact,
Circuit Breakers

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998-20535038