

# *Welcome to the world of* Packaging Control Technology



Merlin Gerin  
Square D  
Telemecanique

**Schneider**  
 **Electric**  
*Building a New Electric World*

# Schneider Electric:

Complete packaging control technology, up and down the line.



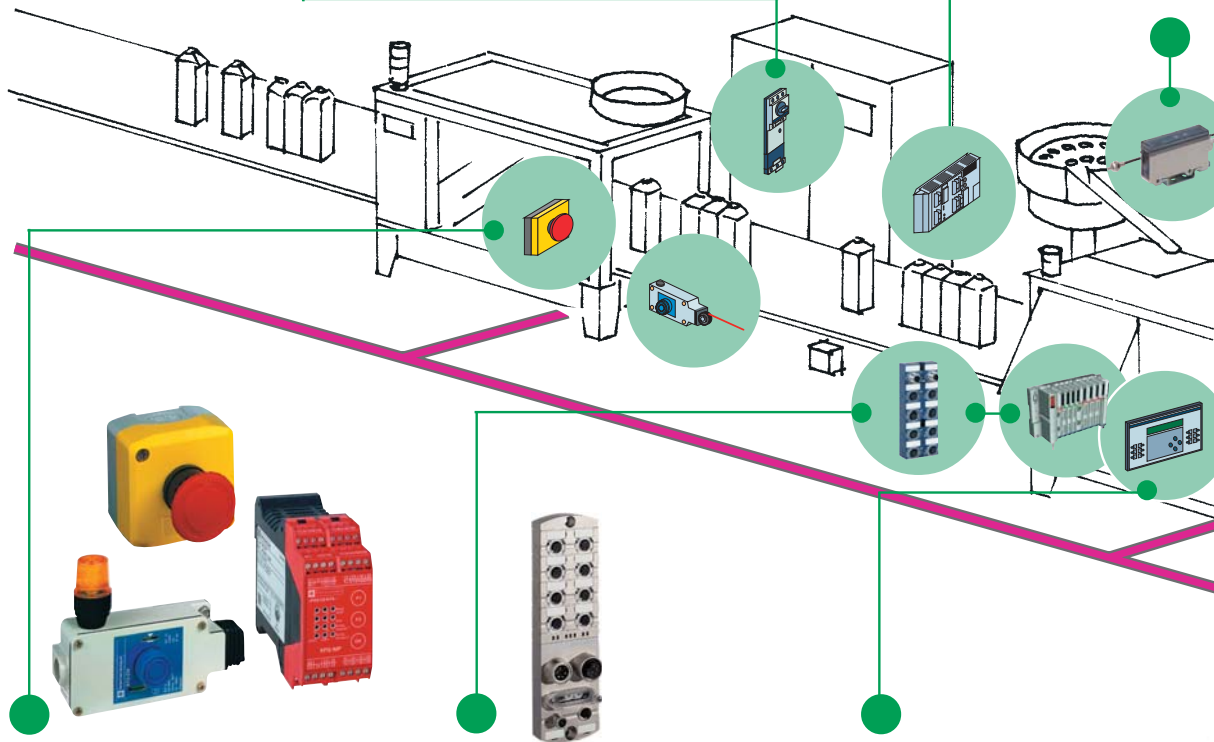
**Control**  
Reduced space requirements and simplified wiring in electromechanical control components.  
*Telemecanique® TeSys® series contactors, bus-compatible, just-in-time configurable TeSys® U-Line motor starters.*



**Automation**  
Open-system architectures for all system sizes and requirements. Possibilities of using the newest technologies: Internet, Ethernet and TCP/IP.  
*Telemecanique® stored program control platforms such as Modicon M340, Twido®, Momentum™, Premium™ or Micro™. Unlimited web possibilities with Transparent Ready.®*



**Small objects**  
Fiber optic sensors  
*Telemecanique XUD series*



**Emergency stop functions**  
Conventional wiring or AS-Interface safety.  
*Preventa™ series, including XPS safety relays, XY2-C cable pull switches and emergency stop switches.*

**Modular I/O blocks**  
Direct to the machine. Decentralized I/O in IP20 and IP67.  
*Advantys™ STB.*

**Harmonization**  
Display units, dialog terminals and graphic stations for a comfortable human-machine dialog.  
*Magelis® XBT-G operator terminal.*



### Safety

Protective covers and guards designed in compliance with EN 292, EN1088 and EN954-1. *Telemecanique® XCS safety interlocks and XPS-AC components.*

### Protection

Against overload and short-circuit. Disconnect, with integrated emergency stop. Compact, reliable and selective. *Vario™ load break switch and Merlin Gerin® and Square D® circuit breakers.*



Object detection sensing. *Telemecanique®*

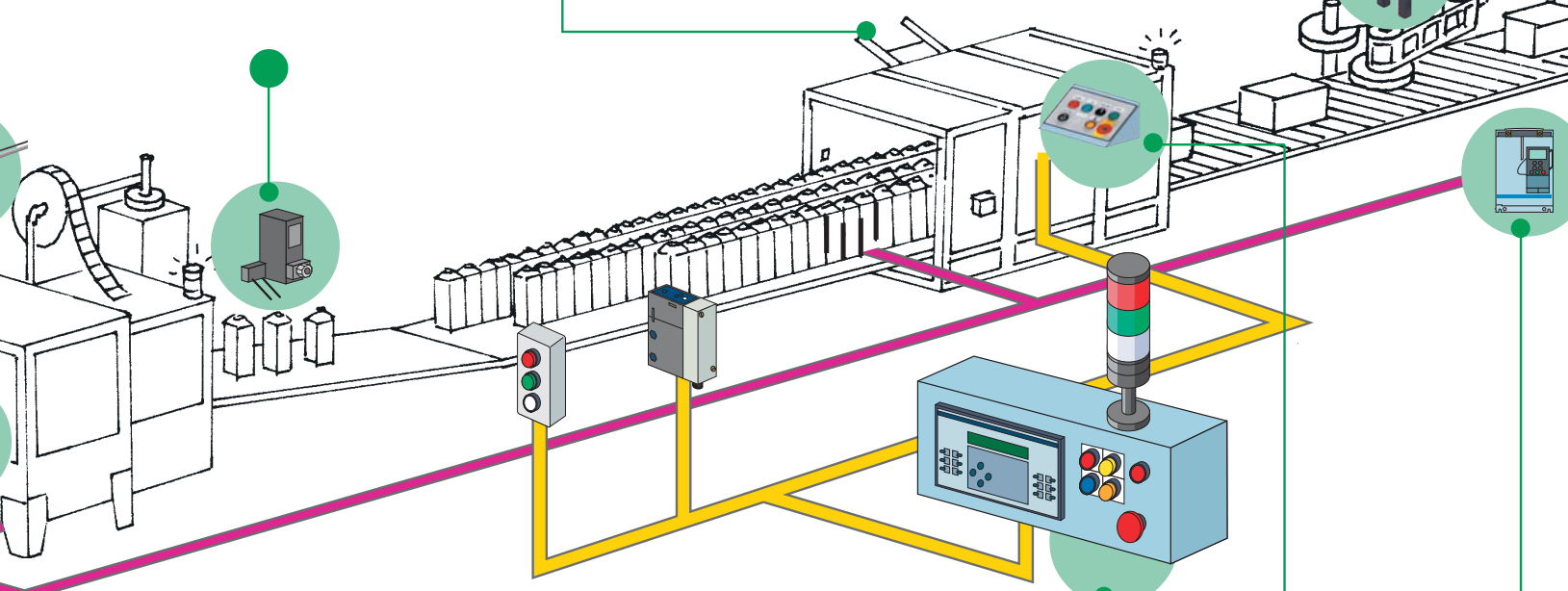


**Color detection**  
Photoelectric sensors. *Telemecanique® XUR and XUM series.*



### Color detection

Detects transparent colors on transparent background. Fork photoelectric sensors. *Telemecanique® XUV product line.*



### Communication

AS-Interface bus provides cost-saving and simplified wiring, installation and maintenance. *Comprehensive series of AS-Interface compatible products such as Telemecanique® controls, interface, dialog or security products.*



### Dialog

With the machine by means of Telemecanique® control and signalling units.



### Simplified wiring

Reduced wiring for quick connection of I/O modules.  
*efast® 2 connection system, E-7 rapid connectors.*



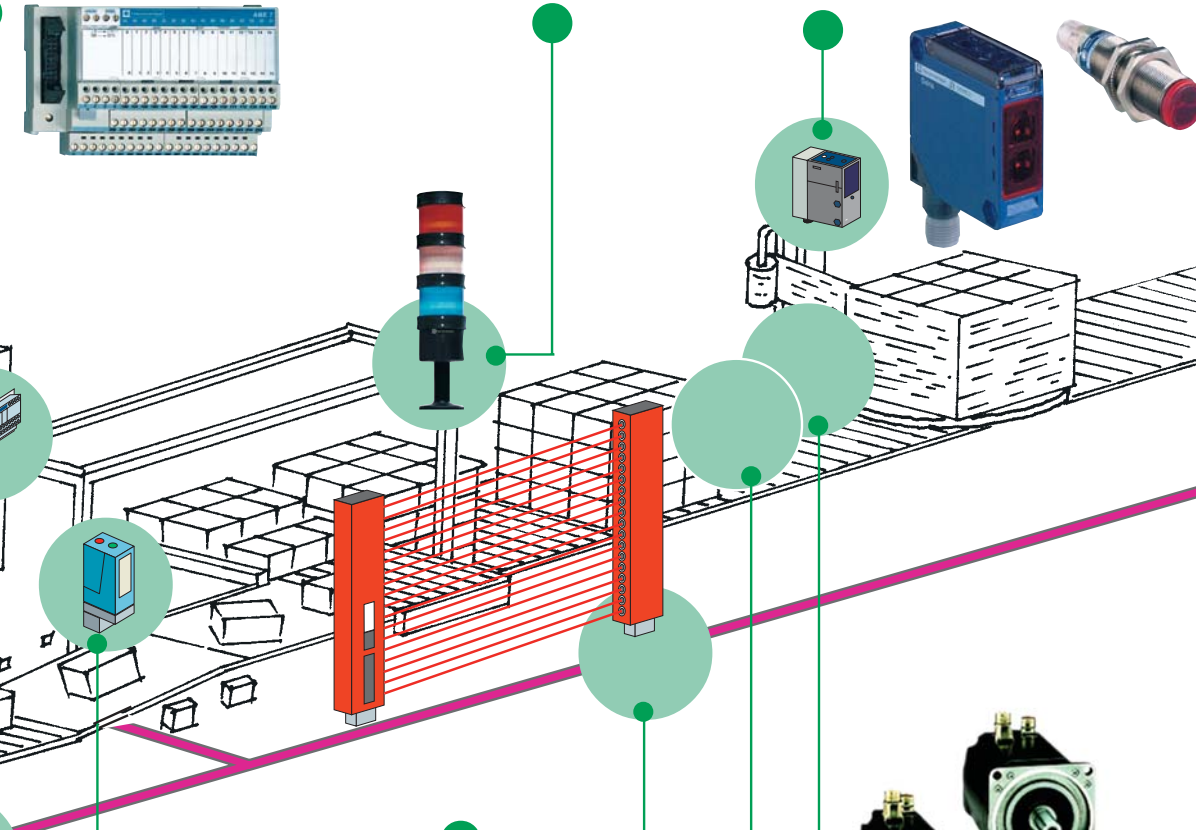
### Signalling

Illuminated and audible.  
Aesthetically pleasing design.  
Multi-colored and modular.  
*XVB/XVP indicating banks.*



### Positioning control

Of the stretch wrapper.  
Adaptable, photoelectric sensors.  
*Osiris® product line, e.g., XUK with self-teaching technology.*



**Limited access to dangerous areas:**  
*XUSL light curtains.*



**Positioning control**  
Using high-performance servo motors and drives.  
Extremely fast and precise.  
*Lexium® servodrives with BSH and BDH synchronous motors.*

**Pressure control**  
In hydraulic and pneumatic circuits.  
Operator-friendly, configurable without connection of the pressure medium.  
*Nautilus pressure switch, e.g., XML.*



**Speed control**  
Of asynchronous motors, even during difficult starts.  
*Telemecanique® models vary according to power requirements and applications.*  
*Altivar® 11 (to 3.0 hp),*  
*Altivar 31 (to 20 hp),*  
*Altivar 58 (to 100 hp),*  
*Altivar 71 (to 700 hp),*  
*Altivar 71 (0.5 to 700 hp) with optional controller inside,*  
*IP55 rated decentralized motor starter.*



**Limit switch**  
For pallet recognition, to be used in conjunction with muting function of safety light curtains.  
5000 complete devices from 150 components.  
*Osiswitch® limit switch, e.g., XCK-J.*

**Schneider Electric provides a broad range of cutting edge power, control and automation solutions that meet and exceed the needs of the packaging machinery industry. Leveraging innovations designed and developed in global competency centers for packaging, motion control and sensors, along with the expertise gained from working with and locally servicing customers in more than 130 countries, Schneider Electric is able to provide proven solutions that are safe, reliable and flexible enough to meet the challenging requirements of packaging machinery OEM customers.**



### **Automation Technology**

A wide range of automation solutions from stand alone nano PLCs to industrial PCs to enterprise wide systems. Available with Ethernet enabled network solutions using Transparent Ready® technology.



### **Sensor Technology**

Proximity switches, inductive, capacitive or optical, limit switches and pressure sensors – complete sensor solutions from one source. Osiconcept™ offers simplified startup and maintenance since the sensors adapt more readily and more flexibly to their applications.



### **Human-Machine Dialog and Display**

From the sensing device to the user interface via hardware and software suitable for the industry and coordinated with the complexity of the application.



### **Machine Safeguarding**

A complete suite of proven machine safeguarding technologies from emergency stops to safety interlocks and safety relays. All of them conform to international safety standards.



### **Motor Starting Technology**

All from one source, contactors, soft starters, adjustable frequency drives and servo drives. Everything you need to get things moving.



### **Low-voltage Technology**

Compact, reliable and selective – from load break switches to power switches (disconnects). New technologies are available with Transparent Ready.

***w3.squared.com/machines***

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