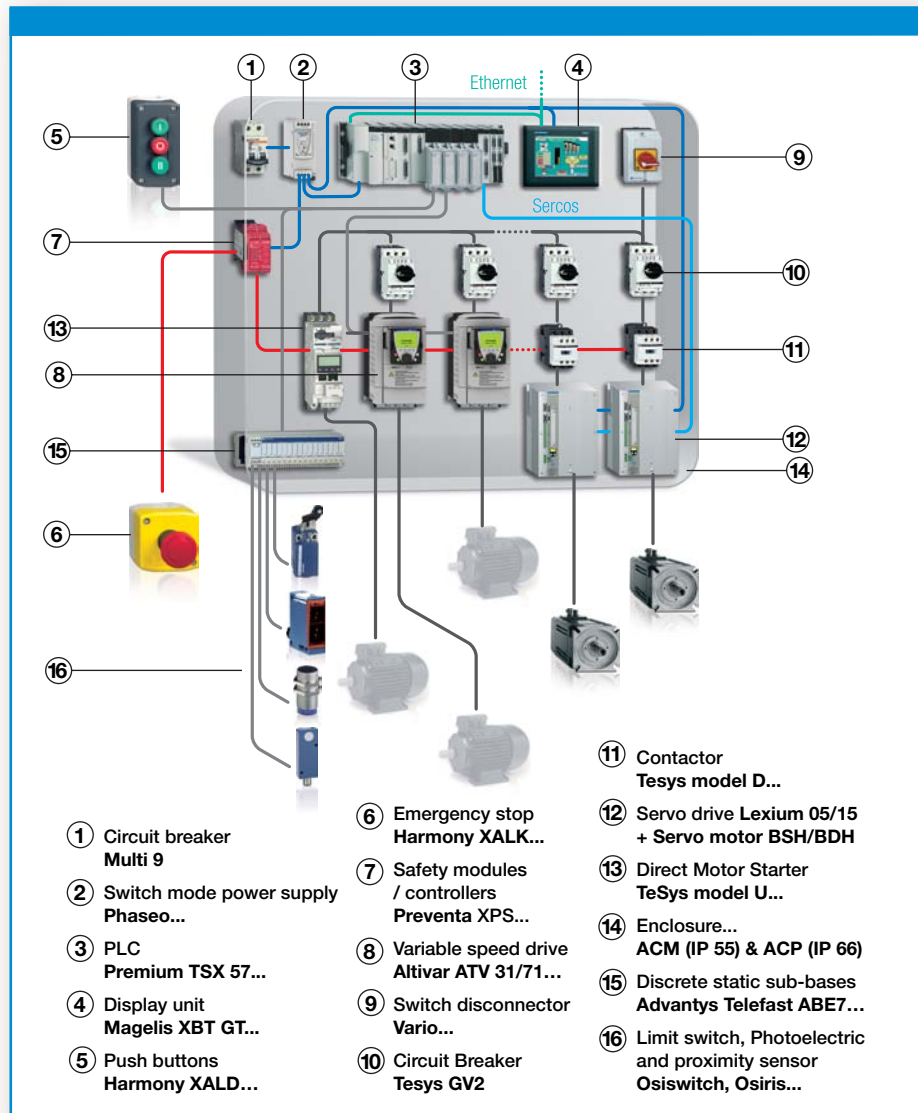


# Preferred Implementation

## Compact High Performance

*The guarantee of the right performance for the best productivity...*



### Typical applications

#### Automotive

- Bodyshop,
- Assembly machines...

#### Packaging

- Bagging machines,
- Filling machines,
- Boxing machines...

#### Wood

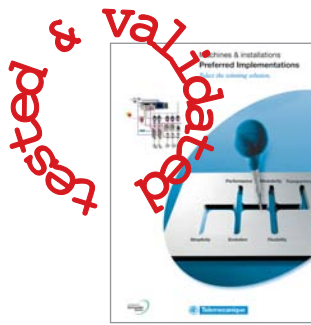
- Edgebanding machines,
- Panel sizing machines...

#### Other machines

- Textile machines,
- Printing machines...

Dedicated to complex machines and installations requiring modularity of software and a maximum of performance. This implementation combines a Premium programmable controller, motion control, Altivar 31/71 variable speed drives, Lexium servo drive, a Magelis XBTG display and hard-wired I/Os. It is the traditional, well known implementation with the fastest reaction time on process changes. This implementation is related to special machine builder with high valuable know-how.





## Advantages

### Consistency of solution

The synergy of high quality products provides a solution guaranteed by a leader in automation.

### Tested, validated and documented

A complete user guide gives all the details for installing and building your application in confidence.

### Optimized productivity

Easily restart, reset manually, control and operate your machine or installation with Premium and XBTG.



### Coordinate Axis - speed, position and diagnostic

Lexium + Premium and Sercos Bus gives you exact control of your motion. Easy to modify parameters from the PLC, such as reduced speed.



### Motion can be so simple!

It is easy to control motion, just with some I/Os. The integration between Premium and Altivar allows you to control the drive (forward/reverse) and several speeds.



### Flexible, adaptable and easy to diagnose systems

The traditional hard-wired architecture gives you zero fault tolerance and less downtime of your machine or installation.

## Characteristics

### Performance

- Controller: Premium
- I/O: up to 400
- Motor control:
  - Direct Motor Starter
  - Up to 8 Variable speed drives ATV 31/61/71
- Motion control: up to 8 axis on SERCOS
- HMI: push-buttons and lights, graphic display
- Typical cycle time: 10 - 50 ms
- Safety: Preventa module or controller
- Options: Ethernet connection to upper level

### Installation

- Machine type: stand alone or networked
- Cabling: hard-wired
- Software: libraries and function blocks to ease programming
- Easy to duplicate and to save your application by using EEPROM

### Constraint

- Installed in a cabinet: to achieve higher IP level, ACM (IP 55), ACP (IP 66)

### Cost

- Minimizing programming and commissioning costs with a complete set of tools

### Size

- Compact machine or equipment < 20 m<sup>2</sup>



## A platform and a dedicated team at your service

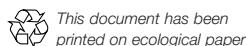
Each preferred Implementation is based on a selected platform for optimal results and updated according to the evolution of our product offer. A team of specialists can perform customized tests to validate your configuration of the Preferred Implementation.

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