



**BUSINESS PLAN**  
CEN/TC 146  
**PACKAGING MACHINES - SAFETY**

**EXECUTIVE SUMMARY**

**Business Environment**

Europe represents a large part of the world packaging machinery market. Packaging machinery is needed to support most fields of production, but in particular the fast moving consumer goods industries. All European countries use packaging machines and many of these machines are designed specifically for a particular production line.

The market needs machinery that is safe, economically and easily built and fit for use.

The main task of TC 146 is to write standards which support the essential requirements of the Safety Machinery Directive (2006/42/EC).

Stakeholders involved:

- Machine manufacturers;
- Machine users;
- Enforcing authorities;
- Trades Unions.

**Benefits**

The aim is to define the standards necessary to allow the free movement of safe machines in Europe, taking into account Europe's significant position in the international market for manufactured goods and packaging machinery.

The committee has decided to write one standard in various parts. This standard should increase the confidence of interested parties in respect of safety, health, environment and ergonomics.

European Governments need to be sure that only safe products are in free circulation particularly following the enlargement of the European Union. There is the need to harmonise the standards for packaging machinery in all of the European countries.

**Priorities**

All of the different types of packaging machines have been considered and priority has been given to the most dangerous machines, machines in widespread use and machines that are typical of a group of machines.

## **1 BUSINESS ENVIRONMENT OF THE CEN/TC**

### **1.1 Description of the Business Environment**

The following political, economic, technical, regulatory, legal, societal and/or international dynamics describe the business environment of the industry sector, products, materials, disciplines or practices related to the scope of this CEN/TC, and they may significantly influence how the relevant standards development processes are conducted and the content of the resulting standards:

- The state of the art in the field addressed by the scope of the CEN committee;
- Recent or expected technological changes and major innovations related to the industry sector, machines or materials addressed by the scope of the CEN committee;
- Recent or expected changes and major innovations in the disciplines or practices addressed by the scope of the CEN committee;
- Categories of relevant stakeholders (for example, machine manufacturers, Government, public interest groups, investors, lending institutions, employees, machine users, machine suppliers, contractors, local communities);
- The concerns and perceptions of relevant stakeholders;
- Social, safety, health, environmental or cultural issues related to the industry sector, products, materials, disciplines or practices addressed by the scope of the CEN committee.

### **1.2 Quantitative Indicators of the Business Environment**

The following list of quantitative indicators describes the business environment in order to provide adequate information to support actions of the CEN /TC:

#### **Type and size of companies**

Packaging machines are manufactured by companies ranging from companies with as few as ten employees to large companies with several thousand employees and manufacturing sites in several countries.

#### **Market share and figures**

European turnover (export + deliveries to the domestic market): approximately 20 billion Euro in 2014 and is stable.

The European consumption (import + deliveries to the domestic market) is approximately 11,6 billion Euro in 2014 and has increased consistently for four decades.

## **2 BENEFITS EXPECTED FROM THE WORK OF THE CEN/TC**

- Responded to or are expected to respond to recent changes and major innovations in the field addressed by the scope of the CEN committee;
- Led to or are expected to lead to cost savings by following standards;
- Removed or are expected to remove technical barriers to trade and open markets throughout Europe;
- Responded to or are expected to address relevant social, safety, health or environmental concerns;
- Harmonised or are expected to harmonise National standards;
- Supported or are expected to support European legislation, in particular the Machinery Directive.

### **3 PARTICIPATION IN THE CEN/TC**

All the CEN national members are entitled to nominate delegates to CEN Technical Committees and experts to Working Groups, ensuring a balance of all interested parties. Participation as observers of recognized European or international organizations is also possible under certain conditions. To participate in the activities of this CEN/TC, please contact the national standards organization in your country.

### **4 OBJECTIVES OF THE CEN/TC AND STRATEGIES FOR THEIR ACHIEVEMENT**

#### **4.1 Defined objectives of the CEN/TC**

The TC is engaged to develop and to update a set of European Standards for packaging machinery, covering safety and the classification of packaging machines.

#### **4.2 Identified strategies to achieve the CEN/TC.s defined objectives.**

The committee has developed a single standard with various parts: EN 415. The first part deals with the classification of the machines, the other parts deal with the safety of typical groups of machines. The groups of machines have been chosen on the basis of their potential hazards and the number of machines in use. A separate part of the standard for noise measurement has been published. A final part of the standard collected all the general requirements applicable for all packaging machines.

TC 146 is working to produce and update European Standards which support the Machinery Directive 2006/42/EC.

#### **4.3 Environmental aspects**

Environmental aspects have been considered and will be evaluated again during the revision of each part of EN 415. CEN Guide 4 will be used and the Environmental check-list will be filled-in when the revisions will be prepared. However, it is opinion of TC 146 experts that packaging machines have a low impact on environment. Some aspects, e.g. noise and dust emissions, have been considered from the safety point of view, more that from the point of view of the impact with the environment.

### **5 FACTORS AFFECTING COMPLETION AND IMPLEMENTATION OF THE CEN/TC WORK PROGRAMME**

The main problems are the large number of machine types, the large number of machine manufacturers, the rapid change of the state of the art of machine manufacture and the length of time needed to find consensus and to manage the comments.