

SECTION 1

INTRODUCTION



INDEX- SECTION 1

| | | |
|----------|---|----------|
| 1 | INTRODUCTION | 3 |
| 1.1 | SCOPE OF SECTION 1 | 3 |
| 1.2 | HOW TO READ AND USE THE MANUAL | 3 |
| 1.2.1 | THE ORGANIZATION OF THE MANUAL | 4 |
| 1.2.2 | THE REFERRING SYSTEM TO UNITS | 5 |
| 1.2.3 | GLOSSARY OF THE MOST USED WORDS | 5 |
| 1.2.4 | SYMBOLS AND ABBREVIATIONS | 6 |
| | 1.2.4.1 Editing pictures | 6 |
| | 1.2.4.2 Pictures relating to OPERATOR QUALIFICATION | 6 |
| | 1.2.4.3 Pictures relating to MACHINE CONDITIONS | 7 |
| | 1.2.4.4 Used abbreviations | 7 |
| 1.3 | STORAGE OF THE MANUAL | 8 |

1 INTRODUCTION

1.1 SCOPE OF SECTION 1

The chapters and subchapters of Section 1 show the structure and the organization, for an easier and prompt consultation.

1.2 HOW TO READ AND USE THE MANUAL

This manual is part of the machine and its scope is giving all informations about:

- The correct information of operators about SECURITY problems.
- the handling of machine, packed and unpacked, in security conditions;
- the correct installation of machine
- the deep knowledge of its functioning and its limits
- its correct functioning in security conditions
- make operations of production change and maintenance, in correct and safe way
- dismantle the machine in security conditions and respecting the rules about workers health and environment.

THE RESPONSIBLE OF THE FACTORY DEPARTMENTS WHERE THE MACHINE WILL BE INSTALLED, ARE OBLIGED, ACCORDING TO THE RULES IN FORCE, TO READ ATTENTIVELY THE CONTENTS OF THIS DOCUMENT AND TO HAVE THE OPERATORS AND SERVICE ENGINEERS READ THE SECTIONS OF THEIR COMPETENCE.



The time spent for the reading will be compensated with the correct functioning of the machine, as well as its correct use in security conditions.

This document presume that in the working lines where the machine will be installed, the security and sanitary regulations are observed.

The instructions, drawings and the complete documentation contained in this manual are of technical nature, strictly reserved and property of Imball and they cannot be reproduced, not even in part.

Customer must be sure to have always the up dated editions of the manual, with all modifications eventually made by Imball.

NOTE:

The editing of this manual has duly considered the rules of:

- Direction 89/392/EEC and following;
- Rules UNI EN 292/1 and 292/2-1992



1.2.1 THE ORGANIZATION OF THE MANUAL

This manual is divided in Sections, each being addressed to a specific operator (Installator, Operator, Service engineer) having its proper competences, necessary to work on the machine in security conditions.

The sequence of Sections corresponds to the temporal logic of machine life, i.e.:

- transport and displacement of packed and unpacked machine;
- correct and safe machine installation;
- start up;
- correct use of machine functions as well as of its devices/instruments;
- disassembling, cleaning, assembling and adjustment of the size parts;
- maintenance and repair of the machine or of its parts.

Each Section is then divided in CHAPTERS and SUBCHAPTERS for detailed instructions to perform the specific operations in correct way and without any risk.

1.2.2 THE REFERRING SYSTEM TO UNITS


The units used in this manual are conform to the rules STANDARD CNR UNI 10003-74SI

1.2.3 GLOSSARY OF THE MOST USED WORDS






- **DANGEROUS AREA:** Area inside or in proximity of the machine, where the presence of an exposed person can be a risk for his security and health;
- **EXPOSED PERSON:** a person being completely or in part, in a dangerous area;
- **OPERATOR:** a person in charge of the installation, functioning, adjustments, maintenance, cleaning, repair and transport of the machine;
- **MAN-MACHINE RELATION:** whichever situation in which the intervention of the operator is necessary;
- **OPERATOR QUALIFICATION:** minimum level of operator competence to perform the operation described;
- **NUMBER OF OPERATORS:** the number of operators necessary to perform a certain operation; a different number of operators could compromise the result of the operation;
- **MACHINE CONDITION:**
 - Condition of functioning: automatic, manual (jack), ect.
 - Condition of the securities on the machine: open protections, emergency button pressed, ect.
- **RESIDUAL DANGER:** a danger that could not have been eliminated, or sufficiently reduced during projecting, for which the protections are not completely efficacious; In this manual we inform the customer about the existence of this danger and we give the instructions necessary for getting through.
- **SECURITY COMPONENTS:** we mean a component used to guarantee a security function and whose fault compromises the security and/or the health of the exposed persons (fix protections, mobile protections, electronic device, pneumatic device, ect.).

1.2.4 SYMBOLS AND ABBREVIATIONS

1.2.4.1 Editing pictures

| | |
|---|---|
|  | <p>The paragraphs starting with this symbol refer to very important informations, either for the loss of datas, or for damages to the machine, or for security.</p> <p>The non respect can involve:</p> <ul style="list-style-type: none"> - dangers for operators safety; - loss of guarantee; - Decline of Imball' responsibility. |
|---|---|

1.2.4.2 Pictures relating to OPERATOR QUALIFICATION

| | |
|---|---|
|  | <p>1st LEVEL OPERATOR</p> <p>A non qualified operator, trained only for the normal use of the machine in production, through the proper controls on the control panel, loading the necessary materials used.</p> |
|  | <p>2nd.LEVEL OPERATOR</p> <p>A non qualified operator, able to carry out all the operations of the 1st level operator but also to use the machine through the jack, in condition of open doors, for simple regulations, start up or reset of production after a break.</p> |
|  | <p>MECHANICAL SERVICE ENGINEER</p> <p>A qualified engineer able to use the machine under normal conditions, operating on mechanical parts to carry out all regulations, service and repair.</p> |
|  | <p>ELECTRICAL SERVICE ENGINEER</p> <p>A qualified engineer able to use the machine under normal conditions as well as through the jack, in condition of open doors; he is in charge for all the electrical interventions of regulation, service and repair. He can operate in current presence, inside electrical boards and electrical boxes.</p> |
|  | <p>IMBALL ENGINEER</p> <p>A qualified engineer placed at customer's disposal by the manufacturer, in order to carry out all complex operations, under particular conditions, or the operations agreed with the customer.</p> |

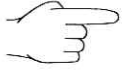
1.2.4.3 Pictures relating to MACHINE CONDITIONS

| | Machine condition |
|--|-------------------|
| | |
| | |
| | |
| | |

1.2.4.4 Used abbreviations

- CAP = Chapter
- PAR = Paragraph
- PAG. = Page
- FIG = Figure
- TAB = Table

1.3 STORAGE OF THE MANUAL



The Instruction manual must be carefully kept and must accompany the machine during its life.

For a good use of the manual, we recommend not to lay it on dirty tables, not to take off any page and store it in a dry place.