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| <b>vitop</b> <br>Via Enzo Ferrari, 39<br>Zona Industriale D3<br>15121 Alessandria, Italia | Supply technical specification | SP F MA M R U 003 - 00 |
| SUPPLY TECHNICAL SPECIFICATION – HANDLES (Manual, Roll and automatic version)                                                                                             |                                |                        |

## **SUPPLY TECHNICAL SPECIFICATIONS: HANDLES**

### **MANUAL, ROLL and AUTOMATIC VERSIONS**

SP F MA M R U 003 - 00

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| SUPPLY TECHNICAL SPECIFICATION – HANDLES (Manual, Roll and automatic version)                                                                                             |                                |                        |

## 1. APPLICABLE PRODUCTS

This document applies for all handles, in all validated color versions.

Standard handles in translucent and black colors are available from stock.

*Vitop* can custom manufacture other colors (translucent or opaque) for very large orders.

**Composition:** handles are made of HDPE (High Density Polyethylene).

Masterbatch is added for colored versions.

## 2. RESPONSIBILITY AND WARRANTY

Performance of handles is under the responsibility of *Vitop*, but *Vitop* cannot be considered responsible for any improper use of its products by the buyer and/or the final consumer.

The period between delivery of the handles by *Vitop* and their use by the final consumer must not exceed two and half years.

## 3. REFERENCE CERTIFICATION

*Vitop* guarantees the performance of its products through an appropriate Quality System and internal procedure certified by:

- UNI EN ISO 9001:2008
- UNI EN ISO 22000:2005
- HACCP

Even though handles do not come in direct contact with the Bag-in-Box liquid, used raw materials are of suitable purity for articles intended to come into contact with food.

Specific statements for food contact, as well as for REACH, heavy metals and the environment are provided by *Vitop* on request.

## 4. TECHNICAL SPECIFICATION

### 4.1 Weight

Transparent version: 3.3 ± 0.2 g;

Black version: 3.4 ± 0.2 g;

### 4.2 Dimension

Length (all version): 175.9 +0.1/-0.5 mm.

|                                                                                                                                |                             |        |
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## 5. PACKAGING AND STORAGE SPECIFICATION

Handles are adequately packed and sent to the customer on pallets of cardboard boxes (number of boxes depending on version of handle) with protective adhesive tape (quality seal).

### 5.1 Packaging identification

Each cardboard box is identified with a proper label and with an identification code that indicates:

- Vitop's address
- Vitop's article code
- Vitop's SAP code
- Quantity per box
- Production date
- Box number
- Traceability code

In order to guarantee a correct traceability system, the identification code must be registered by customer in their production records.

### 5.2 Packaging specification

Each pallet shall be stretch wrapped with plastic film. Handles are delivered in pallets, three different sizes are available depending on the handle version:

#### ➤ HANDLES FOR MANUAL INSERTION

- Pallet sizes: 100x120x200 cm
- Number of box per pallet: 25
- Number of units per box: 2000
- Number of units per pallet: 50000

#### ➤ HANDLES IN ROLLS FOR AUTOMATIC INSERTION

- Pallet sizes: 120x120x175 cm
- Number of box per pallet: 36
- Number of units per box: 3392
- Number of units per pallet: 122112

#### ➤ HANDLES IN CARTRIDGES FOR AUTOMATIC INSERTION

- Pallet sizes: 100x120x175 cm
- Number of box per pallet: 40
- Number of units per box: 2500
- Number of units per pallet: 100000

|                                                                                                                                |                             |        |
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### 5.3 Storage specification

The temperature of the area where the handles are stocked shall be room temperature (over 4°C and less than 30°C).

In order to prevent defects to the box/product no pallet should be put on another one.

*Vitop* suggests to use FIFO for stock management.

*Vitop* suggests to keep pallets in the production department at least 24 hours in advance to make sure that operations will be carried out at room temperature ( $20 \pm 3^{\circ}\text{C}$ ).

*As the regulations and products mentioned in this statement change over time, Vitop advises its customers to ask for a new declaration periodically. This declaration cancels any previous version.*

|                                                                                                                                |                             |        |
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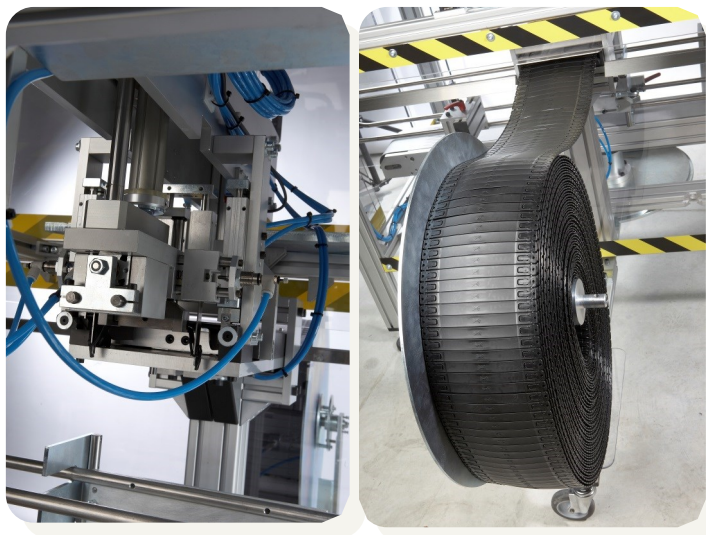


# Máquina de inserción de manillas SYNCRO 40

La máquina automática de colocación de manillas en rollos ofrece unas condiciones de trabajo mejores y un aumento de productividad importante y permite a los productores de mejorar el aspecto y la ergonomía de sus Bag-in-Box<sup>®</sup>.







## Calidad de fabricación

- De acero y aluminio
- Excelente resistencia garantida
- Estructura de protección en aluminio, con puertas de policarbonato.



## Alta capacidad de carga

- Alimentación por un rollo de 3 392 manillas
- Autonomía de 2 à 4 horas dependiendo de la velocidad de la línea de llenado
- Cambio de rollo sin parar la maquina

## Inserción recta o inclinada

- Angulo de inserción de la manilla recta o en diagonal, orientando de manera muy fácil el cabezal de inserción
- Orientaciones angulares de la manilla: de -45° à 45°

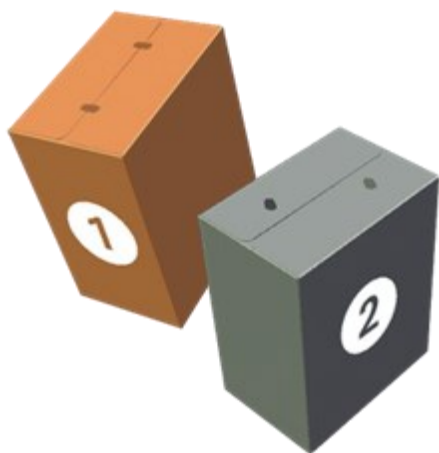


## Sistema de seguridad

- Sistema de seguridad conforme à la legislación vigente
- La entrada a la zona en movimiento tiene interruptores especiales que paran el circuito de aire comprimido en caso de abertura de la maquina

## Simple de uso

- Equipada de una pantalla de mandos
- Todas las informaciones relativas al ciclo de funcionamiento de la maquina se encuentran sobre el panel digital: velocidad, producción, tiempos y alarmas
- Cambio de formato y ajuste del ángulo fácil
- Altura del cabezal ajustado automáticamente por el PLC



# Datos técnicos

## Eléctrico:

|                           |                           |
|---------------------------|---------------------------|
| Tensión de alimentación   | 400V ± 10%-3Ph+N-50 Hz    |
| Potencia máxima instalada | 2,2 kW                    |
| Potencia máxima absorbida | 1,6 kW                    |
| Consumo eléctrico         | 3 kW                      |
| Tensión de la maquina     | (380V)-(220V AC)-(24V DC) |

## Aire comprimido:

|                                  |                |
|----------------------------------|----------------|
| Presión aire comprimido          | 6 bares (mini) |
| Consumo medio de aire comprimido | 1,6 litros/s   |

## Velocidad:

|                          |                           |
|--------------------------|---------------------------|
| Velocidad máxima probada | 2 100 bib/hora (3 litros) |
|--------------------------|---------------------------|

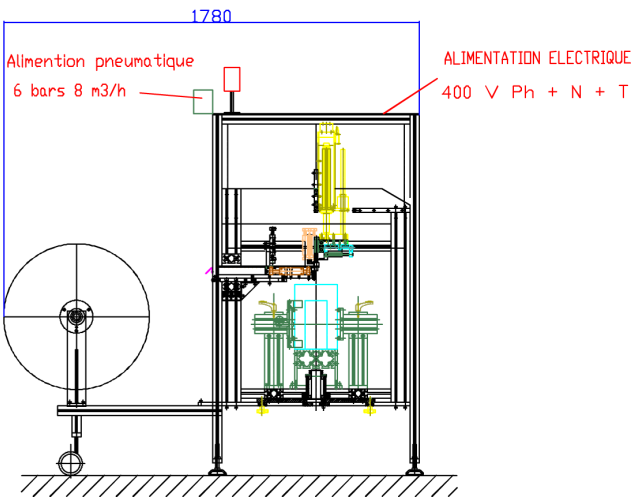
## Componentes principales:

|           |                                     |
|-----------|-------------------------------------|
| Plc       | Siemens                             |
| Neumático | Smc, Festo                          |
| Eléctrico | Siemens, Télémécanique, Omron, Sick |

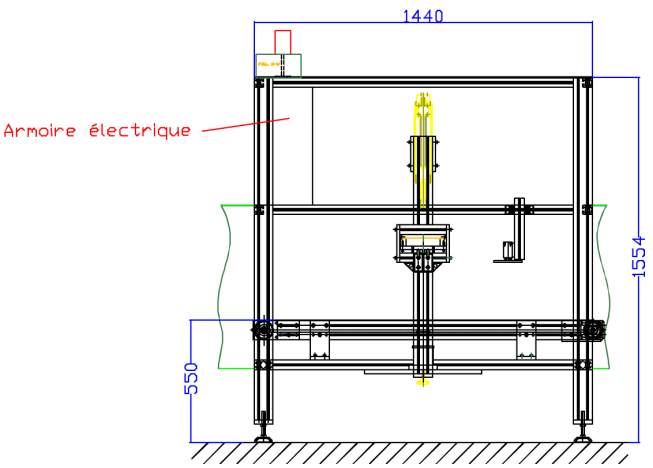
## Dimensiones necesarias (ver plano adjunto):

|                             |                                                 |
|-----------------------------|-------------------------------------------------|
| Altura                      | 1 554 mm                                        |
| Altura cinta transportadora | 550 mm +/- 50 mm                                |
| Largura                     | 1 440 mm                                        |
| Anchura sin manillas        | 890 mm                                          |
| Anchura con manillas        | 1 780 mm                                        |
| Anchura total               | 2 410 mm con las puertas de protección abiertas |
| Peso                        | 400 kg                                          |

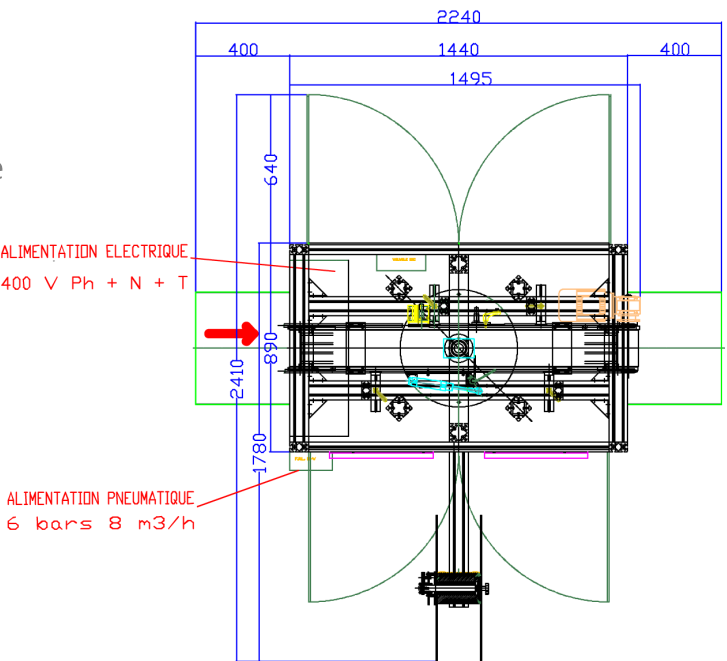
## Côté



## Face



## Dessus





## Cajas aceptadas

- Desarrollada para insertar manillas sobre cajas de Bag-in-Box®
- Opción de software especial para dejar pasar los grandes formatos libremente hasta 20 L

## Formatos de BIB

### Formato mínimo con manilla:

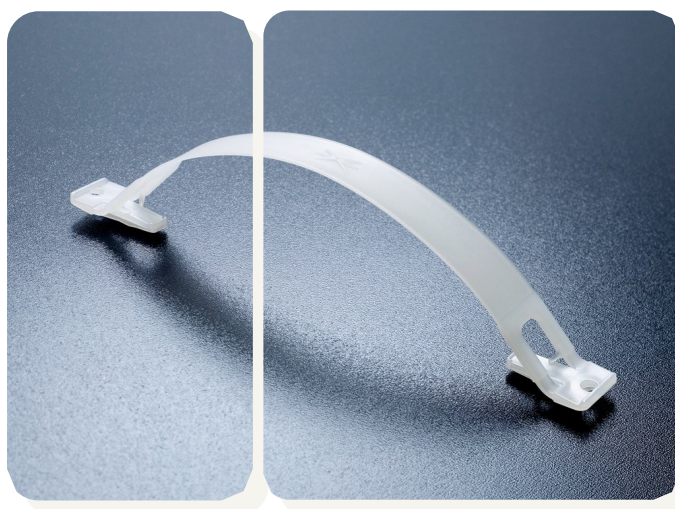
|       |        |
|-------|--------|
| Ancho | 90 mm  |
| Largo | 155 mm |
| Alto  | 205 mm |

### Formato máximo con manilla:

|       |        |
|-------|--------|
| Ancho | 225 mm |
| Largo | 250 mm |
| Alto  | 275 mm |

### Formato máximo por paso libre

|                                                 |        |
|-------------------------------------------------|--------|
| Ancho                                           | 245 mm |
| Largo                                           | 260 mm |
| Alto (con el conjunto de alimentación atrasado) | 430 mm |



- Presentada en rollos de 3 392 manillas para la máquina automática
- 1 palet lleva 36 rollos /122 112 manillas

## Manilla Vitop®

Les gustan mucho las manillas Vitop® a los consumidores de Bag-in-Box® por sus calidades de resistencia y ergonomía

- Manilla patentada
- Disponible en blanco translúcida y negra
- Formato ergonómico que permite a los consumidores de coger fácilmente el Bag-in-Box®
- Flexible y suave, no marca los dedos
- Resistencia elevada gracias a sus nervaduras y sus pines especiales garantizando siempre una abertura perfecta
- Enganche perfecto de la manilla en la caja
- Fabricado 100% HDPE (High Density PE)
- Peso de un manilla: 3,30 - 3,40 gramos
- Peso de un rollo: 11 kg

**Smurfit Kappa**  
Bag-in-Box

**vitop** 

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