

**Hoong-A Corporation**

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# SPECIFICATION

Customer / Country

**BEHDASHT SALAMAT ARYA ANDISHAN CO.,  
IRAN**

Reference Nr. / Date

**HP220412-1 / April 18, 2022**

Automatic Blister Packaging Machine

**Machine model : CB8 (=N8 Plus)**

Dear Sir,

We are glad to offer for the requested machine according to your specifications.

This is a budgetary quotation and needs to be confirmed upon reception of your product samples.

Best regards,

**Hoong-A Corporation**

**Automation Sales Department**

## BLISTER PACKAGING MACHINE " CB8 (=N8 Plus) "



\* The picture could be different from the quoted machine

### Machine Basic Features

- Complete **Form-Fill-Seal-Cut** operation on the **single bed**.
- Flexibility of forming material available as **PVC, PET-R, PET-G, PET-GAG, etc.**
- Backer material also flexible as Card board material of **paper or plastic**.
  
- PLC control with Touch screen interface.
- Registration of product's format data and parameters of each products through touch screen.
- Password controls to approach to parameters.
- Monitor shows operation speed, quantity of production, error message and its trouble shooting and so on.
  
- Forming and sealing station works by means of hydraulic cylinder.
- Die punching station works by means of mechanical cam with heavy duty spline shaft driven variable speed motor controlled by inverter.
- Digital indicator setting for position of all working station.
- Quick and easy mold change over by sliding-in and fastening design
  
- Complete safety Interlock design.
- Safety guard by transparence Poly Carbonate board. Housing construction by aluminum profile.
- Torque limiter for overload situations.

### CB8 (=N8 Plus) plus consists of:

- Form film reel axis with tension and brake control for film releasing. Pre-release of film by motor control with dancing roller. Machine stop when film run out.

- Detection of splice taping connection not to form.
- **Double step pre-heating plates**, direct contact sandwich type, is controlled temperature by separate thermocouples for top and bottom.
- Forming station designed to be equipped together pre-heating and thermo forming, less format tools.
- Exquisite thermo forming by application of vacuum, compressed air blowing and plug assist.
- **Indexing control by Servo motor system**
- Product feeding bed is to install either automatic feeder or manual feeding as well as various optional equipments.
- Jumbo size backer card supply magazine.
- Pick and place device to pick up the backer card and place onto the web.
- Point welding device to fix the backer card on the web to prevent swerving card position during web flowing.
- Sealing by means of heat plate pressure by heat top plate and cold bottom plate, less format tool.
- Sealing top plate lift-up on machine stop so that the product and film are protected from heat plate.
- Cooling just after sealing. Less format tool.
- Web advancing by Servo motor driving.
- Die punching station, less format tools.
- Discharge conveyor belt.
- Spool winder for collection of waste.
- Packaged spare parts.
- 2 sets of English manual books.

## **Technical Specifications**

### Operation speed :

- Operation speed : min. 15 - max. 20 cycles/min.
- \* Actual operation date depend on the properties of thermoform film and backer, product feeding condition, transfer unit and the downstream

### Format Range and Form Film and backer :

- Web width : max. 290 mm
- Web Advancing : max. 255 mm
- Forming depth : max. 30 mm
- Effective forming surface : max. 274 x 245 mm
- Form Film Roll : max. dia. 500 mm with Core dia : 76 mm

### Packaging Materials :

- Form film Material : PVC, PET-R, PET-G, PET-GAG, etc.
- Backer Material : Heat sensitive sealant lacquered on the backer material, as like paper, PVC, PET, etc.

### Machine Out Features :

- Basic Frame : Standard Ivory color painted on the steal frame.

### Machine dimensions :

- Length : approx. 7,650 mm (Double Punch: 8,500mm)
- Width : approx. 1,090 mm
- Height : approx. 1,940 mm
- Weight : approx. 3,800 kg

- Feeding bed length : approx. 1,500 mm

Utilities :

- Electrical : 380V, 3 Phase, 50/60 Hz  
(Presence of Neutral line should be confirmed with order confirmation.)
- Electric consumption : approx. 15 KVA
- Air consumption : 250NL/min. in 6 bar within 10% fluctuation
- Child water : approx. 280 L/H at 12°C

Price	Commercials	Hoong-A Items
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- 1 set. **Basic machine of " CB8 (=N8 Plus) "**  
 for the production of thermoforming blister package as per description above without mold sets and size parts.  
 Web indexing control by Servo motor driving system.  
 Two forming reel stand with splicing device.  
 Backer material system is able to choose either card board or roll lid.  
 Winding spool.
- 1 set. **Double step punching station**, less format tool.  
 By zigzag punching, maximize output through minimize width of wastate.  
 For 42mm width blister, 6 up/cycle by application of this system instead of 5 up/cycle on the single step.

## Utility

- 1 set. **Chiller, External type\_2HP / HYUNDAE ENG / Korea**  
 Refrigerant CFC-free  
 For chilled water self circulation

## Format and Size Parts

### 1. Format size parts for " Name of Product "

- 1 set. **Blister Card Size : 50 mm x 241 mm**  
**Expected out-put speed: 75-100 bpm (based on 05 blisters per stroke)**  
 Consisting of :
- Double step pre heating plate
  - Forming tool with plug assist
  - Forming bottom tool
  - Spare Card Magazine plate
  - Sealing top plate
  - Sealing top plate with code embossing
  - Sealing bottom tool
  - Cooling tool
  - Die punching tool\_[PET Materials](#)

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Guide rail set

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## Others

- 1 set. **Packaged Spare parts** for 1 year operation. Included
  
- 1 set. **On-line Factory Acceptance Test including FAT protocol.**  
Testing video-clip and checked FAT protocol will be provided to get the approval.
  
- 1 set. Standard **export wooden packing**

## ※ Optional Items on CB8 (=N8 Plus)

Description	Commercials	Hoong-A Items
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### Basic

- 1 set. **Extension** of basic frame (approx. 1,000mm)  
 \*\* to extend the product feeding area as like existing machine N8M-133

### Backer material system

- 1 set. **Additional backer system**, Roll lid backer

### Labelling System

- 1 set. **Labeling system** for self adhesive label, on lined with CB8  
 To stick self adhesive label stickers on the surface of blister form.  
 The labelling system installed underneath of blister packaging machine so that labeller head approaches below of blister form on blistering process.  
 Labeller head travels controlled by means of servo motor.  
 Flexible to adjust distance of blisters.  
 Minimum size parts required for different format.  
 Output : 16-20 cycles/min.  
 It includes modification of blistering machine.

## **SALES CONDITIONS**

### **TERMS OF PAYMENT**

**100% by Telegraphic Transfer as the manner of :**

- 30% as down payment with order confirmation
- 70% after FAT but before shipment

\* Each party pay his related expenses & bank charges in their countries.

### **BANK DETAILS OF BENEFICIARY**

**Korea Exchange Bank, Dodang-Dong Branch**

- Address : 255, Oksan-ro, Wonmi-gu, Bucheon-si, Gyeonggi-do, Korea
- Zip code : 14519
- A/C No. : 177-JSD-100342,
- Accountee : Hoong-A Corporation.
- Swift Code : KOEXKRSE

### **THE ADDRESS OF BENEFICIARY**

**Hoong-A Corporation**

- Address : 65, Seounsandan-ro 1-gil, Gyeyang-gu, Incheon, Republic of Korea
- Zip code : 21072
- Tel. : + 82 32 675 1511
- Fax. : + 82 32 511 1511

### **FOREIGN CURRENCY CLAUSE**

Hoong-A reserves the right to adjust the price if the exchange rate of (USD, EUR) fluctuates more than 5% against Korean currency, KRW.

### **TERMS OF PRE-SHIPMENT INSPECTION**

In case of pre-shipment inspection is required, the inspection cost is in account of applicant. And, SGS is recommended as inspection company.

### **LEAD TIME FOR MANUFACTURING**

**5 months** from the receipt of order confirmed, down payment (or notice of letter of credit's opening) by customer, clarification of all approved technical drawings and details.

The above is based on the receipt of all approved technical drawings within 30 days from the date of order confirmation.

### **FASTER MANUFACTURING TIME**

The quoted price is based on standard manufacturing time. If a shorter manufacturing time is required, this may be possible but may be subject to an " Express Manufacturing Charge " and while considering our production schedule.

### **TERMS OF DELIVERY (INCOTERMS)**

Above prices are in the base of FOB cost to Busan seaport in Korea



## **COUNTRY OF THE ORIGIN OF GOODS**

Republic of Korea (South Korea)

## **TYPE OF PACKING**

Standard export wooden packing

## **VALIDITY**

6 weeks from issuing date.

## **WARRANTY**

For Hoong-A original parts : 12 months from installation or 15 months from shipment, whichever comes first.

For Commercial parts : 12 months from shipment.

\* The following conditions are excluded from the warranty.

- Normal wear and tear items.
- Damage or broken parts due to user's mistake.
- Items which were supplied from a third party locally without our written approval.

## **SAMPLES FOR DESIGNING OF DRWAINGS**

Complete samples (blisters with products, carton and leaflet) must be delivered to Hoong-A's site at the time of order confirmation to enable us to design pack, carton and leaflet drawings.

Format parts will be manufactured based on the receipt of approved pack, carton and leaflet drawings.

A delay in the receipt of samples may result in a delay of the machine shipment.

## **TESTING MATERIALS**

Test materials for FAT must be delivered to Hoong-A's site 4 (four) weeks prior to FAT date.


The required quantity of test material will be given to the customer once all technical drawings are to be approved.

The cost of shipping, handling and post FAT material destruction must be borne by the customer.

A delay in the receipt of test materials may result in a delay of the machine shipment.

Thanks and Best Regards,

For and on the behalf of Hoong-A Corporation

HOONG-A CORPORATION  
  
PRESIDENT S. Y. KANG

Hoong-A Corporation