



**DONGGUAN JINJUN MACHINERY CO., LTD**

*More than 20 years of experience. the automatic hollow blow molding leader*

**Product Introduction**



we offer the high-speed intelligent blow molding machine trimming leak packaged integrated automatic production line



**CE**

[www.superjinjun.com](http://www.superjinjun.com)



# DKB Series

Servo drive energy-saving plastic blow molding machine

## MACHINE INTRODUCTION

### DKB series Fully automatic single-multi layers blow molding machine production line.

This style accumulates over a dozen years' blow moulding machine manufacturing experience, utilize implementation of advanced design, analysis system, to extrude multi-layer plastic materials from system. Die molding process of computer simulation and experiments of technology innovation, is an unique, the most mature, stable and the highest output machine in the country. The machine is man-machine interface that is easily operated, single station and double station, from single mould head to four mould heads, single layer to six layers, multi-layer with liquid level line, in-mould labeling, automatic deflashing device or rotatingneck finishing device, and automatic crusher recycle system, automatically remove excess material, high efficiency, stable and energy-saving. In line with the modern factory needs. the daily output (24 hours) can produce reaches approximately 3,000 to 60,000; single layer, double layers suitable for PE, PP, PETG material containers. And also can using for producing TPU sole material product.

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- suitable for the production of functional obstruct 3-6 layers composite containers for various capacity (such as PE, PP, MR, EVOH, ect.). widely used in chemical industry, high-end cosmetic bottles, food industry, vehicles (fuel tanks), etc.
- the 6- layers machine can achieve the production of 3-layers composite containers with special design; and the 5-layers machine can achieve the production of 4-layer or 3-layers composite containers with special design.



Food (multi-layer)



## Technical points of multilayer high obstructing bottle:

The multilayer and high obstructing bottle is one of the high-tech synthesis products. It takes high density polyethylene as basal layer, high quality synthesizing polymer which is best performing at obstructing organic impregnant as inner layer, and adhesive coating as mid layer. It can get rid of disadvantages of single layer HDPE bottles, such as, easy to leak when it comes to take organic solvent, easy to distortion, of PET bottles easy to leak, not able to resist the DMF and high temperature etc. It belongs to the latest packing bottles like, foodstuff bottle, medicine, chemical, pesticide bottles.

1. Accord with the American FDA and European EEC standard, available to take the food directly.
2. Able to keep obstructing oxygen under a high humidity condition.
3. With a neutral scent, no influence to packed stuff.
4. Fragrance can keep it even after a period of long time.
5. Excellent shine on the bottle's surface.
6. Absolutely obstructing the ultraviolet radiation under nano-300.
7. Well done in resisting scrape.
8. Good at obstructing oxygen, oil and resin.
9. Extend shelf life to 12 months.

## Use range:

**Personal care product** :fruit juice, milk, and catchup、 meat、 diary products packing container

**Food** :fruit juice, milk, and catchup packing container

**Medicine** :medicine packing container

**Pesticide** :insecticide, herbicide, etc. and non-dangerous chemical industry product pack container.

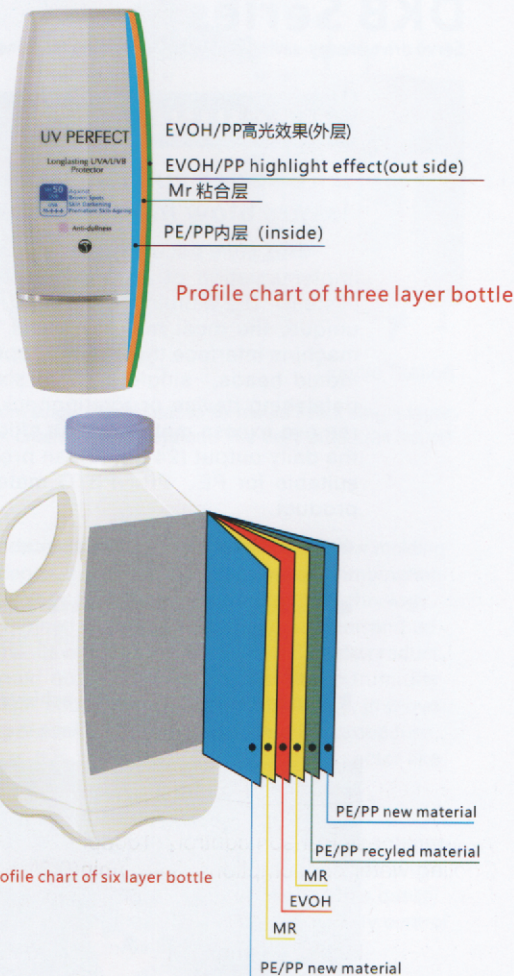
**Thermostable product** :Each kind of pipeline and vessel



Lubricants



Chemical products (multi-layer)





- 1.double station, single head to four head
- 2.mold center distance:double 130-150mm,three 90mm,four 75m
- 3.Single layer to six layer, can match transperance line
- 4.Daily output capacity (24 hours) can reach 3,000-60,000pcs
- 5.can make 0.1-2. 5L plastic bottle products

## DKB-2.5L

### Parameters:

Screw diameter:  $\varnothing 55\text{mm}$   
 Screw L/D ratio: 25:1  
 (50HZ) Screw RPM ( 50Hz ) : 10-80 r/min  
 (PE) Extrusion capacity per hour(PE) : 55kg/h  
 Number of heaters: 4  
 Opening stoke: 380mm  
 Clamping stoke: 150-450mm  
 (160Bar) Mold clamping force ( 160Bar ): 7T  
 Dry cycle time : 3.4s  
 Wall-thickness Parison control: 100dpi  
 Cooling water consumption:  $0.4\text{m}^3/\text{min}$ (0.3Mpa、 $18^\circ\text{C}$ )  
 Compressed air consumption:  $1.5\text{m}^3/\text{min}$ (0.8Mpa)  
 Machine net weight : 6T  
 (L\*W\*H) Machine demension:3800X1900X2500(mm)

### POWER CONSUMPTION:

Inverter motor: 15 KW  
 (PE) Screw heating capacity( PE ): 10 KW  
 Hydraulic motor: 11 KW  
 Die- head heating zone power: 5 KW  
 Maximum Electrical power rating : 44 KW



Personal care (multi-layer)



## High-speed DKB- 5L

- 1.double station, single head to four head
- 2.mold center distance:double 150-180mm,three 120mm,four 100mm, six 80mm
- 3.Single layer to six layer, can match transprence line
- 4.Daily output capacity (24 hours) can reach 3,000-60,000pcs
- 5.can make 0.1-5L plastic bottle products



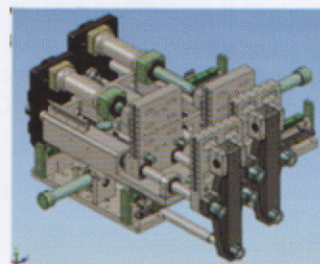
### DKB-5L

#### Parameters:

Screw diameter:  $\varnothing$  70mm  
Screw L/D ratio: 26:1  
(50HZ) Screw RPM ( 50Hz ) : 10-80 r/min  
(PE) Extrusion capacity per hour(PE) : 90kg/h  
Number of heaters: 4  
Opening stoke: 490mm  
Clamping stoke: 180-550mm  
(160Bar) Mold clamping force ( 160Bar ): 10T  
Dry cycle time : 4.2s  
Wall-thickness Parison control: 100dpi  
Cooling water consumption: 0.6m<sup>3</sup>/min(0.3Mpa, 18°C)  
Compressed air consumption: 2.0m<sup>3</sup>/min(0.8Mpa)  
Machine net weight : 10T  
(L\*W\*H) Machine demension:4100X2300X3100(mm)

#### POWER CONSUMPTION:

Inverter motor: 30 KW  
(PE) Screw heating capacity( PE ): 17 KW  
Hydraulic motor: 15KW  
Die- head heating zone power: 8 KW  
Maximum Electrical power rating : 67 KW



Personal care (PETG)





- 1.double station, single head to six head
- 2.mold center distance:double 220-250mm,three 150mm,four 120mm,six 80mm
- 3.Single layer to six layer, can match transperence line
- 4.Daily output capacity (24 hours) can reach 12,000-100,000pcs
- 5.can make 0.3-8L plastic bottle products

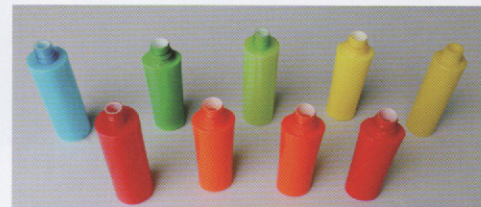
## DKB-8L

### Parameters:

Screw diameter: 80mm  $\phi$   
 Screw L/D ratio: 30:1  
 (50HZ) Screw RPM ( 50Hz ) : 10-75 r/min  
 (PE) Extrusion capacity per hour(PE) : 120kg/h  
 Number of heaters: 5  
 Opening stroke: 600mm/700mm  
 Clamping stroke: 180-550mm  
 (160Bar) Mold clamping force ( 160Bar ) : 15T  
 Dry cycle time : 4.9s/5.9s  
 Wall-thickness Parison control: 100dpi  
 Cooling water consumption: 0.6m<sup>3</sup>/min(0.3Mpa、18°C)  
 Compressed air consumption: 2.8m<sup>3</sup>/min(0.8Mpa)  
 Machine net weight : 12T  
 (L\*W\*H) Machine demension:4320X3900X2900(mm)

### POWER CONSUMPTION:

Inverter motor: 45KW  
 (PE) Screw heating capacity( PE ) : 23 KW  
 Hydraulic motor: 22+4 KW  
 Die- head heating zone power: 10 KW  
 Maximum Electrical power rating : 86.2 KW



Personal care (PETG)



## High-speed DKB- 10L

- 1.double station, single head or double head
- 2.mold center distance:double 280mm/320mm
- 3.Single layer to six layer, can match transparence line
- 4.Daily output capacity (24 hours) can reach 300-100,000pcs
- 5.can make 5-10L plastic hollow products

### DKB-10L

#### Parameters:

Screw diameter;  $\varnothing 80\text{mm}$

Screw L/D ratio: 30:1

(50HZ) Screw RPM ( 50Hz ) : 10-75 r/min

(PE) Extrusion capacity per hour(PE) : 120kg/h

Number of heaters: 5

Opening stroke: 640mm/700mm

Clamping stroke: 240-700mm

(160Bar) Mold clamping force ( 160Bar ): 17T

Dry cycle time : 6s

Wall-thickness Parison control: 100dpi

Cooling water consumption:  $0.6\text{m}^3/\text{min}$ (0.3Mpa,  $18^\circ\text{C}$ )

Compressed air consumption:  $2.8\text{m}^3/\text{min}$ (0.8Mpa)

Machine net weight : 13T

(L\*W\*H) Machine demension:5100X3300X3300(mm)

#### POWER CONSUMPTION:

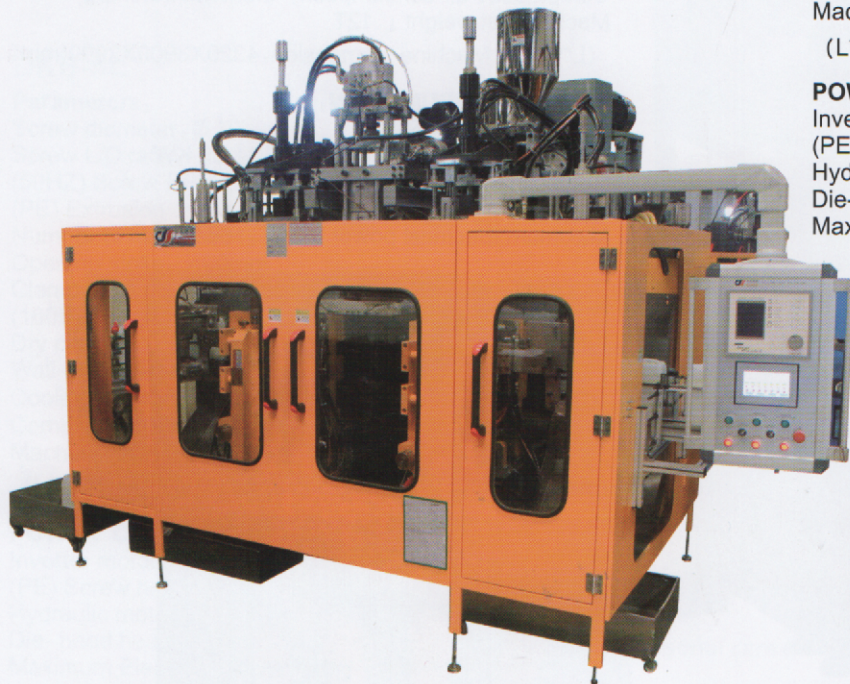
Inverter motor: 45 KW

(PE) Screw heating capacity( PE ): 23 KW

Hydraulic motor: 22KW

Die- head heating zone power: 12 KW

Maximum Electrical power rating : 82 KW





- 1.double station, single head to six head
- 2.mold center distance:double 250-280mm,three 150mm,four 120mm,six 80mm
- 3.Single layer to six layer, can match transparence line
- 4.Daily output capacity (24 hours) can reach 300-100,00pcs
- 5.can make 5-18L plastic hollow products

### DKB-18L

#### Parameters:

Screw diameter:  $\varnothing 90\text{mm}$

Screw L/D ratio: 30:1

(50HZ) Screw RPM ( 50Hz ) : 10-75 r/min

(PE) Extrusion capacity per hour(PE) : 180kg/h

Number of heaters: 5

Opening stroke: 640mm

Clamping stroke: 300-700mm

(160Bar) Mold clamping force ( 160Bar ): 20T

Dry cycle time : 6s

Wall-thickness Parison control: 100dpi

Cooling water consumption:  $0.6\text{m}^3/\text{min}$ (0.3Mpa,  $18^\circ\text{C}$ )

Compressed air consumption:  $2.0\text{m}^3/\text{min}$ (0.8Mpa)

Machine net weight : 15T

(L\*W\*H) Machine demension:5200X4140X3620(mm)

#### POWER CONSUMPTION:

Inverter motor: 55 KW

(PE) Screw heating capacity( PE ): 27 KW

Hydraulic motor: 30KW

Die- head heating zone power: 12 KW

Maximum Electrical power rating : 109 KW

