



## Lightweight, Intelligent, Automatic Production Line

Forming, Cutting and Stacking All in One Machine

**RMD-800**

European System Pressure Forming Machine  
High-speed Smart Production Tools

# CHUDONG — A Global Leading Brand In Smart Thermoforming

Our thermoforming, beyond your imagination.

CHUDONG Machinery Co., Ltd. has the design and manufacture capability for both cutting in one station pressure forming machinery and post trim pressure forming machinery, using the three core values of technique, quality and service to create brand reliability. Whether it's performance, quality or price of the machinery, CHUDONG's

high degree of flexibility will comprehensively meet the client's demands, making it a global leading brand in smart pressure forming. We specialize in all different kinds of packaging machinery, with a goal of bringing our customers maximum production efficiency. Energy saving and highly efficient machinery is what we provide to our customers.





## Flexible, Automated, Pressure Forming Solution

The perfect machinery increase the production efficiency and product quality of lower demand products.

The perfect machinery upgrade when the total manufacturing output is of a lower amount. Improve your efficiency and quality with our European designed, compact and intelligent,

cutting, molding and stacking all in one system. It is suitable for small and medium molding component needs. The RMD-800 gives you maximum competitive advantage.

### RMD-800 Advantages :

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- European design, intelligent control, lightweight.
  - Convenient mold change, quick, suitable for smaller quantities and diverse production line manufacturing.
  - High rate of movement, low failure rate, reducing the costs associated with machine errors.
  - Innovative intelligent system, which gives the operator an easy to use interactive interface which reduces the opportunity for human error.
  - Remote obstacle monitoring and instantaneous data processing allows rapid problem correction.
  - High-precision cutting technology, allowing high-speed control, low machinery wear and exceptional cutting performance.
  - Adjustable, automatic stacking technology, which remembers your last production needs.
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# RMD-800

## Intelligent, One Step Operating System Process

European system dedicated to control small number production line needs



Pressure and Vacuum Forming



Dimension Cutting



Automatic Stacking



### A combination of conventional devices and advanced control systems

- PS (Polystyrene)
- PE (Polyethylene)
- PP (Polypropylene)
- OPS (Oriented Polystyrene)
- PLA (Poly Lactic Acid)
- APET (Amorphous Polyethylene Terephthalate)
- HIPS (High Impact Polystyrene)
- EPS (Expandable Polystyrene)

Forming area	mm	max. 570 x 780
Forming pressure	bar	max. 6
Mold closing force	DaN	max. 35000
Cycle speed	1/min.	max. 40
Dry cycle speed	1/min.	max. 55
Feeding tolerance	mm	max. +/-0.2mm

Material thickness	mm	max. 1.8
Material width	mm	max. 810 min. 400
Roll diameter	mm	max. 1250
Roll weight	kg	max. 1100
Depth of draw	mm	max. 100



Various types of lids



Plastic containers



Fresh fruit packaging



Cooked food coverings



Transparent salad containers



All types of food packaging



## FSS System

Simple to understand, easy to you,  
intelligent manufacturing, no errors!

The system has been designed to be smart and people oriented. Parameters and operational commands setting can be simplified to reduce the amount of possible human errors and machine down time, and maximized machine performance. Our machines make greater production efficiency and greater profit.



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Perfect Thermoforming  
Requires Perfect Timing

**FSS**  
SYSTEM

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### Internet Control System

You can't be everywhere at once, and our machinery can be controlled remotely via an internet connection, allowing simple and fast troubleshooting for problems in the production line. The equipment will autonomously inform the operator if there is an issue, so that if there are any problems they can be quickly resolved.



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### Temperature Control System

Precise temperature control that enhances the machines adaptability to process raw materials. The market increasingly demands better sheet extrusion quality, thickness and precision so having a machine that can accurately control the temperature is a very important factor when determining the accuracy of the final result. Our machine displays the temperature on the panel and the partition independent control, so that it's very straightforward for the operator to understand any abnormalities in the temperature control process.







### 3 Mechanical Motion System

With ever changing conditions, our machinery allows the option of configuring dynamic fine-tuning settings. This helps to improve production capacity and product yield. We have conducted a number of long-term research studies and simulations as to what the operator may encounter while running the system. So we will be able to show you how to get the most out of our machinery.

### 4 Quick Mould Change System

A system such as this reduces the need for staff training and cuts down on operational error costs. In the past, when changing a mold the operator had to have a lot of experience to be able to efficiently change the mold. With our quick mold changing system the whole process has improved immensely.

### 5 Fast Trouble Shooting Interface

A real time notification system that gives the operator a quick understanding of operational problems. This allows processing to run smoothly, with the operator able to deal with any issue as it occurs.





## High-precision Cutting Technology

We have researched into cutting machinery started as early as 1981, this has allowed our company to accumulate a wealth of experience. From early-era gear cutting machines, to the more recent developments with servo-driven machinery, our engineers have tested them all. We have applied this knowledge to our RMD-800 machine so you can be sure that you are getting the most up to date cutting performance on the market.

### High Precision, Steel Rule Cutting System

The steel ruler cutting edge provides superior punching and cutting technology.

In the new era of production, changes constantly need to be made in the production line; the days of non-customization are in the past. The RMD-800 machine caters to the new changes in the manufacturing

landscape and helps to reduce the associated costs of this. The time savings in steel mold cutting and manufacturing times are immense and with an accuracy of 0.02mm this machine is able to cater to your needs.

### Toggle Linkage Drive Technology

High-speed and low-wear, the perfect combination.

Our mechanical system uses Toggle Linkage mechanism and is driven by a servo motor to achieve high-speed control and while at the same time low machinery wear so that you can save on replacement part costs. In addition, the design of the RMD-800 is more compact than many other

market offerings; the cutting force is also uniform and works in unison with the knife mold heating system to make sure that you get that perfect cut every time. The control system also allows quick and precise depth adjustments of (0.01mm) so that you can be as accurate as your customer's desire.





**With over 35 years of experience  
in the packaging making industry.  
Our cutting technology focuses on  
accuracy, speed and stability.**





## Automatic Stacking Technology, The Final Part of The Process

Even though stacking is the final part of the process, it still deserves the full attention of our engineers. Our system can reach up to 100% stacking accuracy, enhancing the safety of food packaging containers, because by keeping this an automatic part of the process, there is less chance of being affected by human error, with the wrong raw materials being used and items placed into the wrong packaging.

### Flexible Automatic Stacking

Different goods require different production processes, our machinery can cater to all different types of requirements. We offer three different stacking types to choose from:



### A Up Stacker

With the use of a specialized frame, the products are arranged by the servo-controlled device, the finished products are then pushed to the conveyor belt or platform chosen.

### B Down Stacker

Using the high-speed and high-precision feeding mechanism, the finished products are sent to the desired position. The servo-controlled robot uses a high-speed vacuum system that fixes the product in place so it can be down stacked.

### C Up Stacker with Robots

Sometimes the items needed to be stacked are different so a robot can be used to stack the different products in different way, one way is a 180 degree flip method of stacking. As the finished product reaches the packing area the robot automatically uses a vacuum system to position the products in the correct place.

**Flexible and diverse stacking  
systems that meet rapidly changing  
market demands.**



# Worldwide



**First in Asia, globally renowned expert in pressure forming!**  
**That is CHUDONG's unchanging goal since establishment.**

**CHUDONG is focused on the research,  
development and manufacture of pressure forming machinery.**

We are born of the passionate pursuit for the ultimate pressure forming technology, and have been the leader since our entry into this field.

CHUDONG is able to provide the market with pressure forming technology and service and can share, cutting and stacking all in one go. We are dedicated to the field of pressure forming, exclusively the manufacturing

of pressure forming machinery and equipment for the production of disposable packing for food and beverages.

CHUDONG integrates automatic and smart technologies with pressure forming to develop equipment systems that meet cutting in one station pressure forming machinery and post trim pressure forming machinery, and provide more diverse and flexible pressure forming

solutions so that clients can easily meet the quantitative and ever-changing demands of the market.

In the future, CHUDONG machinery will strive towards even smarter and more diverse pressure forming machinery, to truly become the world-renowned expert in pressure forming, and your reliable long-term partner.

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