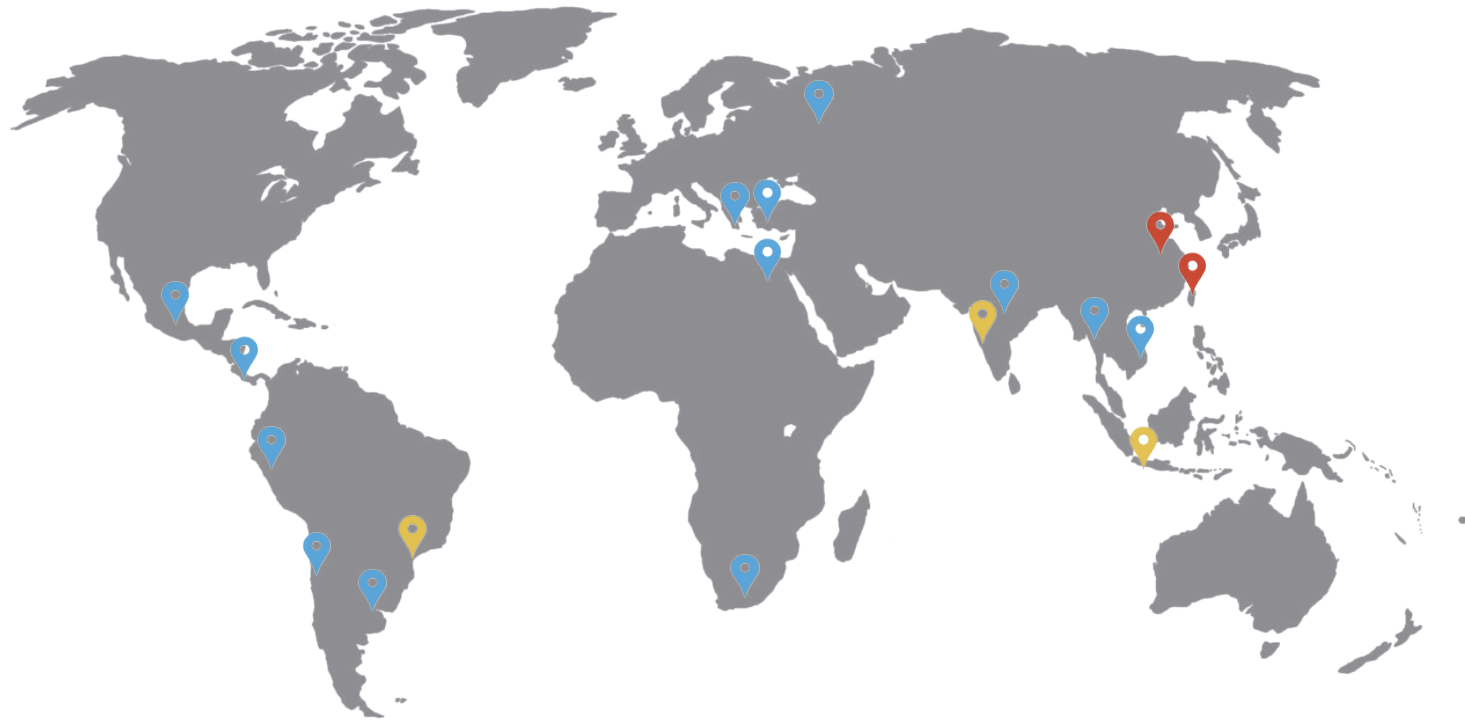


PET PREFORM

Total Solution Provider

JONWAI, established in 1971

sells machines to 35 countries with worldwide service support



 Headquarter / Factory  Branch office  Agent / Service Center



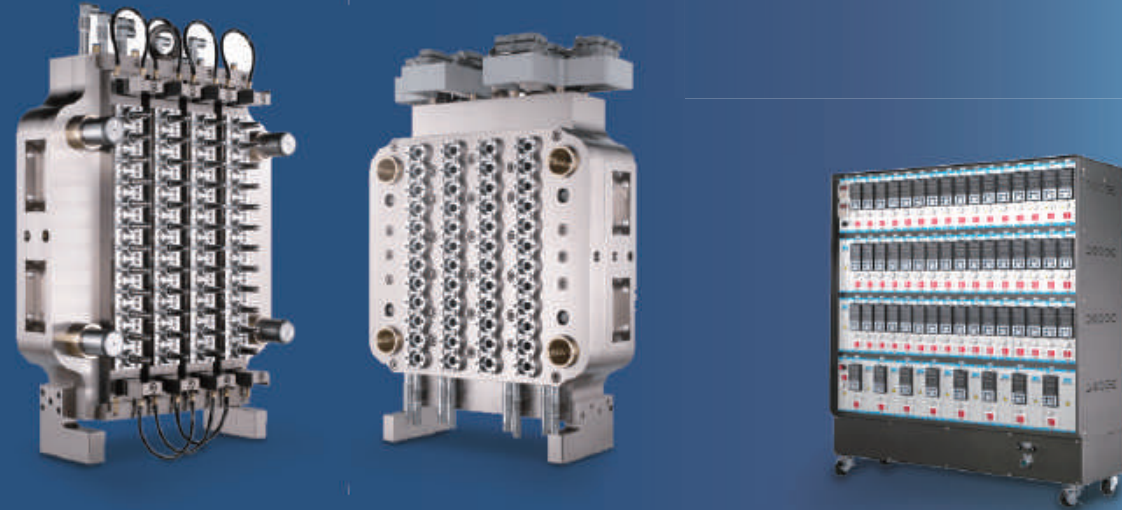
JONWAI
Jonwai Machinery Works

jonwai.com | infor.tw@jonwai.com.tw

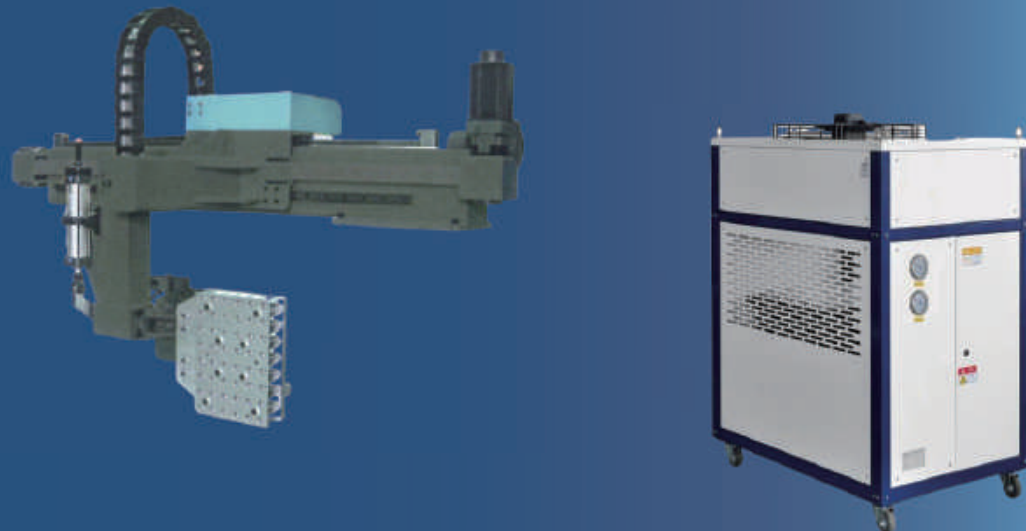


JONWAI
Jonwai Machinery Works

Integrate the Injection Molding Machine, Mold, Accessories to optimize the production output.



* NPM / PM (two stage preform machine)



Turnkey Solution Provider

Not only Injection molding machine,
We integrate the Mold, Cooling Robot, Accessories for PET Preform project

With plenty successful projects that we provided to customer, Jon Wai has capability to integrate the whole system for our customer. Our turnkey project delivers the benefits to customer as below.

Single Window | Save the communication time and effort

In one project, there are many details required to be communication between machine, mold, accessories, and material supplier. Jon Wai can be the single contact window to integrate the project for customer.

All details and communications will be done by Jon Wai. Customer can save the communication effort and time. Reduce the misunderstanding and mistake of miscommunication.

Jon Wai takes care everything | No Trouble & Risk Free

In a turnkey project, Jon Wai involve into the project from day no. 1. We will show the system running in our factory for inspection. Our technical experts will install whole line and complete trial run in customer factory. Meanwhile, they will also guide customer how to run & maintain the system till customer can run the system independently.

Select the suitable accessories | Optimize the Production Output

After the requirement confirmed by customer, Jon Wai will estimate the required system capacity like material consumption, cooling...ect. Then we will synchronize the accessories like material dryer, dehumidifier, and cooling system to achieve the best cycle time.

High Quality Preform Machine

PET Preform has the international standard in this industry. Customers are looking for lowest production cost with mass production output.

Jon Wai PET machine design is specific for high quality preform production. Our machine delivers the benefits as below.

High production output

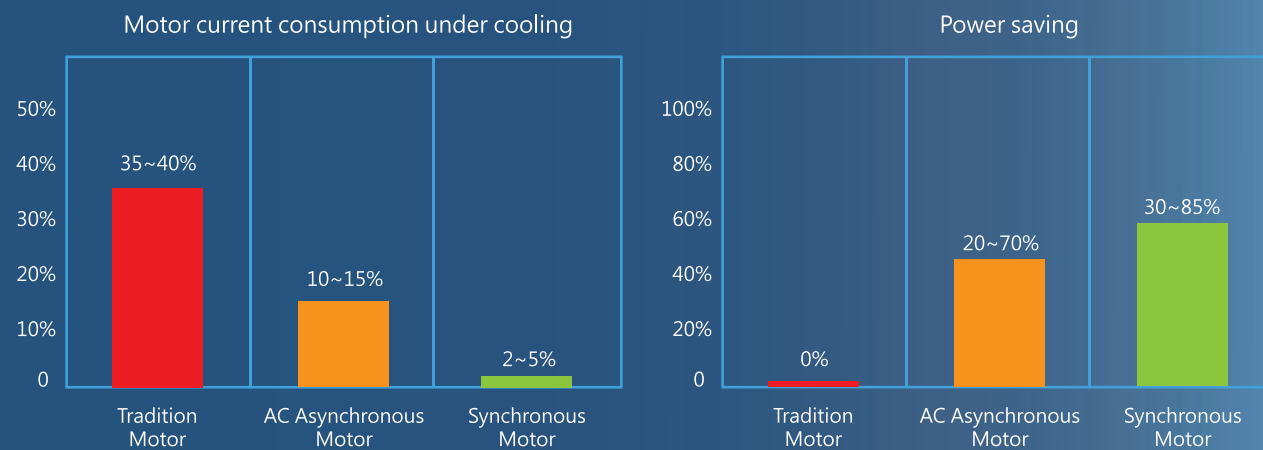
Unique hydraulic design, machine operates with short dry cycle time. The production output is increased.

Low rejection rate

The upgraded power pack delivers stable charging and injection operation. Preform quality is insured. The rejection rate after blowing is also very low.

Low power consumption

Our machine equips AC synchronous servo system, power consumption is very low and system response is fast.



* PETW (single stage preform machine)

Single Stage Preform Machine

Wide platen design | Mold loading capacity increased 30%

Wide platen design allows customer to load the bigger mold. More cavity, higher output.

Customer can also run the same mold on the smaller tonnage machine. Saving the power with faster cycle time, the power consumption will be less.

High L/D ratio screw design | High mixing efficiency

The high mixing efficiency of screw delivers the best mixing performance. This design maintains the high preform quality.

Stable charging system | Control the A.A. level

With unique hydraulic design, the charging speed is stable. It will be helpful to control the A.A. (acetaldehyde) level. It is essential for water bottle preform.

Upgraded injection unit | Increase the production output

For good cooling desing mold, the production will be stuck of charging time. PETW machine equips better better size injection unit. Charging time is not an issue now.

Machine model for application chart

No. of Cav	Max. Preform Weight	Suitable m/c
24 cav	15g	130PETWi15e
	32g	130PETWi22e
32 cav	24g	200PETWi22e
	55g	200PETWi40e
48 cav	21g	280PETWi25e
	56g	280PETWi50e

* taking Ø30mm neck preform as example

* the machine selection depends on the actual mold size

Two-stage Injection Unit Design

Unique injection unit design consists one screw for pre-plasticizing and one plunger for injection. The advantages of design are listed as below.

Low Acetaldehyde (A.A.) level | High quality water bottle preform

The A.A. level is important to water bottle preform. If A.A. level is too high, customer can smell easily.

With the stable charging speed and 25 L/D ratio screw design, our two-stage injection unit can control the A.A. level below 8ppm.

Fly charging function | Optimize the Cycle time

The mold cooling efficiency is high improved nowadays. Most of production is stuck of charging time.

Our two-stage injection unit with fly charging function. Charging time is not an issue anymore. Now customer can focus on how to improve the cooling time to optimize the cycle time.

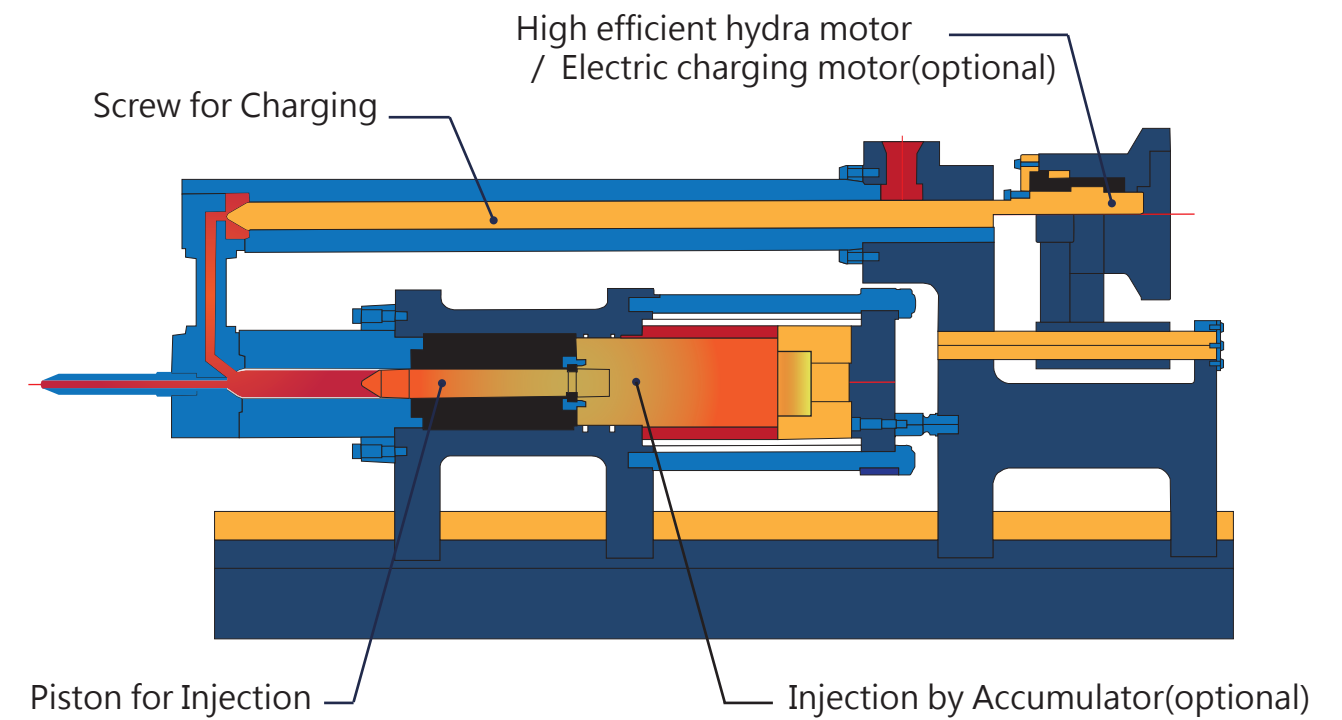
Machine model for application chart

No. of Cav	Max. Preform Weight	Suitable m/c
24 cav	31g	165PM(S)
	60g	165PM(L)
32 cav	45g	130NPM / 275PM(S)
	73g	275PM(L)
48 cav	50g	385PM(S)
	66g	250NPM
	80g	385PM(L)

* taking Ø30mm neck preform as example

* the machine selection depends on the actual mold size

Two Stage Design Injection Unit



Water, Soft Drink Bottle Preform

Big size Bottle Preform

Blood Testing Tube

Jar Preform

