



A Symbol of Sincerity, Professionalism,  
Accountability and Shared Prosperity.

Injection Molding System / Robot System / Metal System / Food and Medical System / Blow Molding System /  
Inspection System / Energy Device System / Intelligent Manufacturing System / Intelligent Decision System /  
Intelligent Logistics System / After Service



## Fully-Automatic High-Speed Blow Molding Machine

Cutting-edge blow molding system from Germany! The BEKUM Group, located in Germany, Austria, and the United States, has more than 60 years of blow molding experience.

### Product Features:

- Tandem Blow makes double capacity
- Full-electric
- Multi-layer extrusion, and the wall thickness of the functional layer can be as thin as 0.015 mm
- Guaranteed stability and quality
- Quick model change standardization

### New Patent:

- Full-electric and clamping unit with BEKUM patent. Screws with the same length-diameter ratio have more output.



- High speed leak detector

## MATERIAL PROCESSING



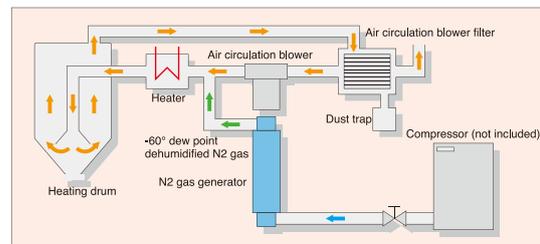
## Heatless Dehumidifying Dryer

- Non-heat dehumidifier,  $-50^{\circ}\text{C}$  dew point, easy to maintain, cooling water is no needed.
- ROUND drying: full drying, no heating regeneration, no heat exhaust gas; stays dry, start producing immediately once the equipment turns on after the weekend.
- Mirror polish of plastic contact surface: SUS304#400 grinding, medical standard.
- $0.3\sim 3\ \mu\text{m}$  filtration: Thoroughly remove powder and impurities, material barrel cleanliness Class 150(NX)

- Two-ways positive and negative pressure conveyance: Totally enclosed raw material conveyed to prevent external air.
- SSC temperature control: Small ceramic heater saves space and energy.
- Multiple circulation air supply: Switch to use N2 air and dehumidification air.
- Multiple Dew point meters are available.

### Energy Conservation :

- NX series ROUND way



### Low Speed Random Crusher:

- SX-110/160/250/340



### Optical Dehumidifying Dryer:

- NX-3/10/25/50/75
- NX-3N/5N
- NSV-15V/25V/50V/75V/100V/150V/200V



### Dehumidifying Dryer:

- NS-10/15/25/50/75/100/150/200
- CNS-10/15/25/50/75/100/150/200



# INJECTION MOLDING MACHINE

**FANUC**

## AI Electric Injection Molding Machine

### Patented mold closing / injection mechanism

- Highly rigid 2-piece combination plate
- Highly rigid and Low Friction
- Digital manometer with high precision and high resolution
- LENS special high precision mold closing specifications
- 1200 mm/s double motor super high-speed injection

### High precision second injection device

- The second injection unit on the upper side
- Horizontal L-shaped second injection unit

### Precise injection capability

- Injection FFF/ pressure maintaining HR control
- High and low-speed acceleration constant control
- 0.1 mm high precision V-P control
- Precision and Stable molding
- $\pm 0.1^{\circ}\text{C}$  high precision SCR temperature control

### Front CNC control device

- FANUC Next-Gen CNC 31i-B control
- European and American specifications (cabinet design)
- 15-inch LCD touch screen



### Energy conservation

- Power regeneration (Energy saving 14~21%)
- Power consumption monitoring

### Network

- Production/quality/information management system Linki
- Plastic property assessment system

### Intelligence

- AI pressure waveform tracking
- AI precise metering
- AI mold protection
- AI ejection protection



- Battery case for mobile phone



- DVD reading lens



- Light guiding plate for mobile phone



- Precision connector

**Sodick**

## Vertical Injection Molding Machine

Sodick is committed to provide all solutions which our company self-developed for solving customers' problems. These products are now the source of the competitive strength., and it fully considers customers' subtle needs, overcomes obstacles, and works with customers to solve problems.

Sodick invents things in order to solve problems. Sodick separates plasticizing and injection with V-LINE, relying on its excellent technology and experience. As a result, the melt state of plasticization and the actual filling quantity are stable, which is unique feature. Sodick's products their strong competitiveness.

### Product type:

- Insert injection molding
- Thermo-curing injection molding
- BMC injection molding
- LIM liquid injection molding
- Pulling injection molding
- Rubber injection molding
- FBT vacuum impregnator
- vacuum impregnator
- CIM ceramic injection molding
- Mold assembly injection molding
- Two-color injection molding
- Dewaxing molding
- MIM metal powder injection molding



- TR75VRE (Vertical Injection Molding Machine)
- V-LINE® way Vertical Swing Type
- TR20VRE/TR40VRE/TR75VRE/TR100VRE/TR150VRE



**Central Conveying system**



- CONAIR is a global leading supplier of auxiliary equipment and solutions for plastics processors. It helps customers improve production capacity and efficiency and solve customers' problems in the process.
- CONAIR is currently the only manufacturer of peripherals for plastic processing that offers the most complete planning capabilities and expertise, producing and marketing more than 450 products.

**Product type:**

- Raw material conveying equipment, dehumidification and dryer system, metering and mixing system, ice-water/mold temperature controller, scrap recycling, automatic extraction robot, cutters and extrusion equipment, Energy Smart drying and energy saving system.



• Central Conveying System

• Gravimetric Batch Blenders

• Dehumidifier Dryer System

• Cutters

• SlimLine



**Innovative LSR Dosing Systems Of the Newest Generation**

**100% pulsation-free volume flow**

Pulsation-free, consistent volume flow for precise mixing ratios - thanks to the servo pumps. This ensures continuously stable processes and consistent product quality.

**20g Flushing quantity**

More than 1.5 kg of flushing quantity is lost with a conventional shovel pump system at every drum change - thanks to SPLITNEX it is only 20g with Nexus dosing systems, independent of the machine operator.

**Up to 70 % energy saving**

Thanks to servo-driven technology and active pressure control at the mixing head, no energy is wasted. This saves both energy and costs.

**Modular mixing head**

- Horizontal static mixer
- Fast color change
- Precise color addition from 0.05% to 20%
- Modular design, configurable according to applications.
- Almost unlimited type and number of additives.
- Compatible with all Nexus dosing systems
- Fastest cleaning in 20 or 50 min. (without/with color)

**Up to 30% cycle time reduction**

SPLITNEX ensures highly precise mixing ratios - the more stable and reliable the mixing ratio, the shorter cycle times are possible.



• Modular mixing head

• SERVOMIX Z200

• SERVOMIX X20

• SERVOMIX X200



## Precision Temperature Control Equipment

### Exciting technology!

Water mold tempering units HB-100Z, 140Z, 160Z, 180Z, 200Z, 230Z Oil mold tempering units HB-200T, 250T

### Automatic process monitoring:

- Limit value Auto Setting
- Monitor flow, pump pressure, activation, hose burst and leakage, phase
- Automatic phase shift
- Anti-burning protection



### Gate 6 : Intelligently networked

The temperature control units Thermo-6 are as a standard equipped with an Ethernet interface and communicate via OPC UA with the injection moulding machine or further advanced systems. Combined with an interface server Gate-6 completely new possibilities arise for the user.

### Standard Functions:

- Ultrasonic flow meter
- Pump drain reversely and empty the mold
- Automatic temperature control adjustment
- Automatic cooling and shutdown
- Temperature can be raised in stages
- Switch from system water to independent water supply
- Automatic bubble discharging function, USB port provides data collection
- Energy saving machine uses frequency conversion pump to save electricity bill as much as EUR585 a year.



• Stand External flow meter

• Table External flow meter



• Heater

• Proportion valve

• Sealless pump in stainless steel

### Variable mold temperature system VS180

- Pressure control to prevent gasification
- Guiding mode to save time for setting
- Temporary storage for energy-saving operation
- Oil mold temperature control units HB-200T / 250T
- Water mold temperature control units HB-100Z / 140Z / 160Z / 180Z / 200Z / 230Z
- Energy-saving water mold temperature units HB-100ZL / 140ZL / 160ZL / 180ZL
- Switching mold temperature system: VS180



## Quick Cooling And Heating System

- Induction heating technology from France, heats up to 25°C per second (25K per second), unprecedented quality for plastic molding to boost brand perfection.
- Simple interface operation, complete control for mold temperature.
- Available for electronic products, automobile, consumer products, aviation, cosmetics, energy, medical, and sports leisure products. • Suitable for all types of steel.
- Fully automatic mode, suitable for all kinds of injection molding machines.
- Improve material flow, high reliability for mold surface, extreme smooth plastic surface.
- Reduce product combination line, shrink mark, float fiber, and flow mark.



• Ultra-black surface with highlights

• Heat & Cool hardware

• High-quality replication

• Quick cooling and heating system: Closed Cooling Unit/Generator/ Interface



## Mold Monitor

- 10.4" multi-color touch screen, USB -- setting conditions, save NG memory date.
- To shorten the second automatically monitoring processing, thus saving cycle time.
- Both mold cavity brightness difference and sensitivity are adjusted at the same time with the quick and simple operation.
- Reset by safety door open and close (under Automatic/Manual)
- Unique sensitivity can monitor black parts.
- 5 different alarm sounds, easy to identify alarm machine.
- 128 polygon regions and sensitivity setting for monitoring parts with complex shapes.
- NG screen record memory, analysis, and judgment, for definition of NG reasons.
- To monitor the slider displacement after mold cleaning before closing the safety door.



ROBOT-EYE SX-910

## Ice Water Machine / Bottle Machine / Bottle Cutting Machine / Leak Tester / Adiabatic Liquid Cooler

Aryacool is an ideal alternative to a cooling tower for cooling with room temperature water and higher requirements for water quality. Aryacool is designed as a closed-loop system to keep the water loop clean for a long time, with little evaporation and no need to use compressors. It is very energy efficient and easy to maintain.

### Advantages of the Aryacool+ adiabatic liquid cooler

- Efficiency: the energy efficiency ratio can reach more than 25, only running fan to cool tube, no compressor is needed.
- Clean cooling water: cooling water is not exposed to the environment, which is not polluted, and no effect to the cooling equipment.
- Operating cost saving: no descaling or anti-bacterial treatment, no need for continuous water supplement.
- Environmental friendly: no evaporation from the process, no bacterial pollution.

### Easycool serious Air cooled compact chiller:

- Suitable for all industrial applications, to ensure the most flexibility and energy efficiency.



• Aryacool closed natural cooling unit  
Cooling amount: 73 - 560 kW



• Easycool Air cooled compact chiller  
Cooling amount: 65 - 291 kW

## AUTOMATION

## Full Servo Automatic Extraction Robot

S5/A series:

- New horizontal framework:  
The new horizontal frame design increases rigidity and greatly reduces vibration during take out.
- Gear and rack mechanism:  
Rack and Pinion system on the whole axle increases high reliability and durability.
- Anti-collision function:  
The function of preventing the arm from hitting the mold or molding machine due to mis-operation.
- New operating panel:  
7-inch full-color touch panel. User-friendly designed instruction for teaching. USD can be used for data reading. Wireless controller is ready for an option.
- Advanced Anti-vibration control:  
To Control the vibration at the top of the arm, sample according to the weight variation of the holder, and optimize parameters.
- Customized EOAT:  
Combine suction cup and mechanical chuck, blower on the basis of drawing or products, and grab the products with optimum method.

ZII Series:

- Suitable for taking out finished products with short molding cycle
- The arm is made of carbon fiber, to achieve lightweight.
- Adopt Small high power motor
- Horizontal rigid frame



• Sigma 5



• Sigma A



• ZII

**HARMO**

Swing Type : EXZII Series  
EXZII-600(F)/EXZII-800(F)  
Side-Entry Type : SHII Series  
SHII-700H / 700GH

**Recommended instructions for Swing type :**

- By employing the servo motors on Z axis and Y axis; 35% less removal time.
- The teaching data is loadable from the internal mold memory. No more stroke adjustment when changing the molds.
- The cable track on the kick axis protects cabling and tubing. The smooth motion provides stylish appearance of the robot.
- The linear guides on the vertical and the kick axes enable the speedy motions with less vibration.
- The grease catcher is equipped underneath the linear guide. (horizontal axles are standard configuration and vertical axles are optional.)



**Recommended instructions for Side-entry type:**

- The take-out time is 30% shorter than the conventional model.
- High rigidity and low deflection.
- 50% improved accuracy comparing to the conventional type.
- The distance of the tube on the fixed side sprue gripper is shorter to speed up the response by 18ms (0.018 sec).
- The centralized lubrication system is equipped as standard and shortens the maintenance time.



• Side-entry type SHII-700



• EXZ Pendant Controller



• HRS-140-SHII Controller

**STÄUBLI**

**Mold Magnetic Clamping System And Quick Connection**

**Magnetic Clamping:**

- Unique and reliable man-machine interface: Machine parameter management and mold information management.
- Safety : Each magnetic unit has 50 measuring coils, and all magnetic flux is detected and monitored.
- Mold changing tables and vehicle: Achieve safe/efficient transportation of molds; a key component for SMED minute mold change.
- Mechanical clamping system: fast/simple/efficient.
- Mold temperature control - quick-release couplings: One action for multi- circuit connection, small-diameter multi- circuit connection, improving the cooling effect of the mold.
- Multi-connection: Provides connection solutions for water, electricity, gas, oil, and other energy, achieving fully automatic connection and control.



Instruction of mold changing (animation)

Temperature

Actions Performed



Activation instruction of MCS signal

Clamping Force

**hana tech neo**  
주 네오하나텍  
NEO HANA TECH

**Lens Gate Cutting Machine**

Type: HLC-AT50BHS

- Repeat accuracy±0.05mm.
- Applicable to many kinds of lens shape.
- Cycle time: 16cavity/18seconds.
- Output approx. 58,000pcs/day; 1,750,000pcs/month.
- Cutting speed multi-section control and digit position control..
- It is a double tool model, which can reduce breakage and burr.
- One-touch for tool change.
- Thermal cutting to prevent dust.





## MORGLORY INTERNATIONAL CO., LTD.

TAICHUNG | 40757 18F.-8, No.386, Shizheng Rd., Xitun Dist., Taichung City 407, Taiwan  
TAOYUAN | 33393 6F., No. 580, Sec. 1, Minsheng N. Rd., Guishan Dist., Taoyuan City  
PENANG | No.43-2, Jalan Todak 6, Seberang Perai Tengah, 13700 Penang, Malaysia  
HANOI | 15 Floor Diamond Flower Tower No.48 Le Van Luong str., Thanh Xuan Dist.  
Hanoi City 11415, Vietnam  
INDIA | Global Raisonni Industrial Park Gat No.182-184 Nr.Lonikand ,Phulgaon ,  
Pune-412216 ( Maharashtra State )

TAICHUNG	Tel +886-4-22586003	Fax +886-4-22586002
TAOYUAN	Tel +886-3-3122115	Fax +886-3-3122116
PENANG	Tel +60-4-3842136	Fax +60-4-3842137
JAPAN	Tel +81-905-5011981	Fax +81-426-443414
HANOI	Tel +84-24-32020809	Fax +84-24-32020806
INDIA	Tel +91-2066787620	Fax +91-2066787620



## JIANG SU CENGLARY ENGINEERING&TRADING CO. , LTD.

JIANGSU | Tower C, Room 2308 Longqi Lijing, NO.757 Qianjin East Road,  
Kunshan 215300 , Jiangsu Province China.

Tel +86-512-57379570 Fax +86-512-57379571

CHENGDU | Rm.1413-1414 , Zhujiang Intl Office Building, No .1588 , 3rd Section , Guanghua Avenue ,  
Wenjiang District , Chengdu , Sichuan Chengdu City , 611130 , Sichuan P.R. China.

Tel +86-28-82202386 Fax +86-28-82202386

## DONGGUAN CENGLARY TRADING CO., LTD.

Room 1806-1807, Building 8, Vanke plaza, No.1 Changqingnan road,  
Changan town, Dongguan city , 523845 , Guangdong P.R. China.

Tel +86-769-85536003 Fax +86-769-85536977

## TIANJIN CENGLARY TRADING CO., LTD.

No.1-915,1988, Yingbin Avenue, Tianjin Pilot Free Trade Zone (Central Business District),  
Tianjin City, P.R.China.

Tel +86-22-66218571 Fax +86-22-66218572

