THINK TECH FORWARD

CRAFT

YIZUMI

Technology, products, craft,
service and brand.
Five dimensionalities to be
a world-class molding
equipment solution provider.

The YIZUMI Magazine for Customers

VOL.28 ▸ 2023

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THINK TECH FORWARD

CONTENTS

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PREFACE

Welcome to <CRAFT>. It's nice to meet you again.

A new era of technological change has arrived. The equipment manufacturing industry is accelerating its development in the four directions of premiumisation, intelligence, green and service. YIZUMI is marching towards high-quality development with a brand new image, higher strategic goals, and more advanced molding equipment with the new tagline of "Think Tech Forward".

In this issue of <CRAFT>, you will read wonderful articles and interviews from corporation leaders and industry experts, learn about the development and future business trends of YIZUMI, and master the cutting-edge technology and technological innovation.

Here, you will read our comprehensive advanced molding solutions, including medical treatment, 3C electronic products, new energy vehicles, and other fields.

Here, you can also read how YIZUMI has improved its competitiveness to cope with changes and challenges from the world. Through a global operation strategy, YIZUMI deepens global layout and connects global talent for maintaining competitive advantage and achieve sustainable development. At the same time, YIZUMI also pays attention to the responsibilities and impacts of society and the environment, and explores how to contribute to society while developing enterprises.

In the future, YIZUMI will continue to dig deep into new fields and topic for providing readers with richer and more interesting content. YIZUMI looks forward to sharing experiences and thoughts, establishing contacts and cooperation, and jointly exploring and promoting the integration and development of each other.

Hope you can have some business inspiration and reading pleasure from <CRAFT>.

Richard Yan
Chairman and CEO of YIZUMI

A YIZUMI Journey of Brand Evolution and Innovation

—— It is a story about the rise of China's equipment manufacturing

As a global enterprise that has dabbled in various fields of molding equipment, YIZUMI is constantly sending out the voice of a Chinese company to the world on the new journey to the peak.

In 2022, YIZUMI upgraded its brand image and released a new logo with richer brand connotation. On the basis of inheriting the former elements, the new logo uses a flat design to illuminate YIZUMI's new concept of "Sustainable, innovative technology for humankind", conveying YIZUMI's determination to move towards internationalization!

伊之密

2002

YIZUMI

2008

YIZUMI

2022

On Upgrading of Brand Renewal and Internationalization of YIZUMI

Brand is no longer a commodity, but also a manifestation of innovation and vitality. It is a collection of creativity.

YIZUMI, the name implies a continuous and everlasting meaning like a spring. After 20 years of continuous development, YIZUMI has established subsidiaries in Germany, the United States, India, Vietnam, Brazil, and other countries, with businesses throughout the world. For moving forwards internationalization and creating the image of a global technological enterprise, YIZUMI actively embarks on a new brand image and better disseminates value to the global market.

The logo of YIZUMI has changed from a green based design to a dark gray design, which inherits the spirit of YIZUMI's quality and is endowed with a new connotation. The dark gray color with a sense of technology, internationalization, and high-end symbolizes that YIZUMI uses global innovation to open up a smart future and is committed to bringing better and more professional services to global customers. The "righted" LOGO is also more in line with the international tone, conveying the global strategy of YIZUMI in recent years. It is a signal to demonstrate the original intention of YIZUMI to pursue a goal of becoming a world-class molding equipment enterprise.

Dark gray	Green	White

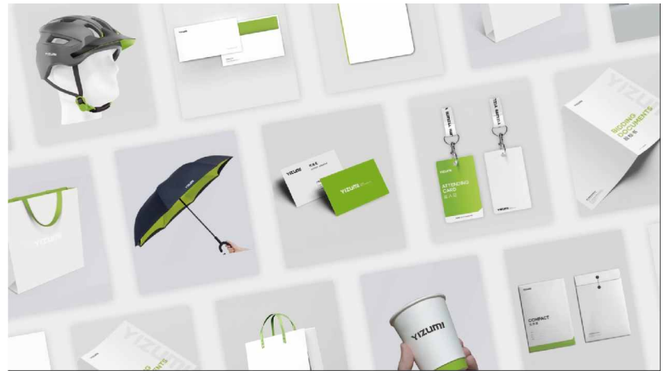
In 2022, after completing the brand upgrade, YIZUMI released a new corporate VI (Corporate Visual Identification System) to the public. It consists of standard colors of "Dark gray, Green, and White". "Dark gray" is the main color, while " Green" and "White" are sub colors.

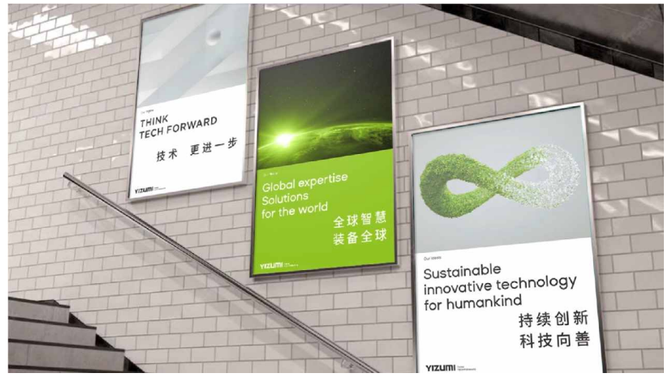
"Dark Gray" is a color between black and white, representing transformation based on inheritance and innovation based on stability. It delivers a calm, professional, and international visual perception.

"Green" is the color of plants, which has the meaning of life in Chinese culture. It symbolizes vitality and represents the harmony of nature. YIZUMI is committed to and indicates the flourishing development of the enterprise.

"White" comes from the color of jade, which represents noble morality and quality. Jade is also a symbol of good luck in traditional Chinese culture.

These three colors compose the brand color of YIZUMI's new image after the upgrade. In future, the brand color will be used with high recognition to spread the company's high-quality service concept to the world by YIZUMI.





Embraces all streams of global wisdom

In order to achieve a comprehensive brand upgrade, YIZUMI has found an international consulting company. Through in-depth observation over a year, it clarifies the brand story and future development direction of YIZUMI over the past 20 years.

2002-2008 Initial Period:

Based in Guangdong and sailed from Guangdong

2009-2014 Growth Period:

Diversified development and began layout of overseas market

2016-2022 Rapid Development Period:

Connecting China and Europe for technological innovation

2022-2025 Take-off Period:

Global development for a new chapter

Looking back on the 20 years of development, YIZUMI has had a big step to embrace the advanced wisdom of the world, from a local brand into the forefront of global molding equipment companies. It uses innovative wisdom and high-quality resources to create a world-class brand.

Keeps making breakthroughs to achieve global win-win results

From based in Guangdong to a global enterprise, the secret of YIZUMI along the way is based on innovation. On the one hand, YIZUMI has continuously recruited talents from all over the world for increasing research and development and improving its independent innovation ability. By establishing Global Innovation Center and technical service centers around the world, YIZUMI achieves win-win cooperation across the industry.

On the other hand, YIZUMI is always customer-centric and pursues the needs of its customers as the mission. It is accelerating the process of globalization, integrating global high-quality resources to further improve product quality for providing higher standards, and higher quality products to customers. It also takes the initiative to explore and innovate, advancing boldly in the technical and market fields, and providing more diversified and comprehensive products to global customers through a cross category industrial layout.

Firmly follows the path of global development

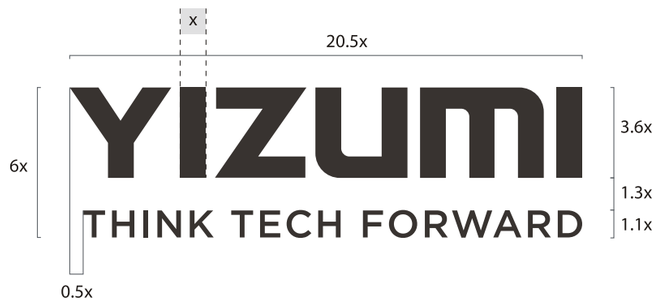
After the upgrade of the brand image, the new cultural core and brand connotation of YIZUMI have been further refined. This makes us to see more clearly and go further on the road of future development. Next, YIZUMI will carry out the mission of "Global expertise - Solutions for the world ", adhere to the ideals of "Sustainable, innovative technology for humankind ", and move forward towards our vision of "To be a world-class molding equipment solution provider".

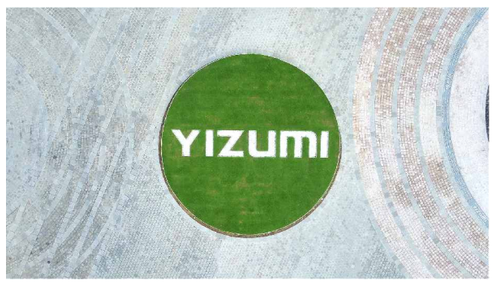
YIZUMI takes "Think Tech Forward" as the new tagline. It is clear to place the goal of technological innovation, adhering to innovation driven enterprise development, and creating a global innovation platform. The brand new image will become more mature, powerful, and international.

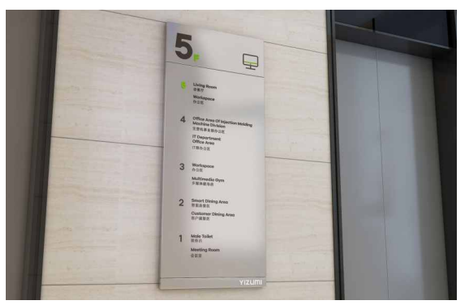
From "We walk alongside to the world" to "Global expertise - Solutions for the world ";

From "Technology connecting China and Europe" to "Think Tech Forward";

YIZUMI has always cherished the ideal of becoming a world-class enterprise. We look forward to serving global customers with more advanced solutions and better quality for making "YIZUMI Quality" stand among the world. Ultimately, customers around the world can enjoy higher cost performance products. This is the significance of YIZUMI brand upgrading.







In the past 20 years, YIZUMI was just a Chinese company, which saw the world from the perspective of Chinese market. But the next YIZUMI will be a global company and see the world from a global perspective. YIZUMI strives to grow bigger and stronger to be a world-class brand in the machinery manufacturing industry.

Richard Yan
Chairman and CEO of YIZUMI

Richard Yan:

YIZUMI Strives to Be a World-Class Enterprise in the Molding Equipment Field

20 years, it is long enough for one to bring out its best.

But it is the good time for a company to fight for its goal.

This year is a special year for YIZUMI, and it marks its 20th anniversary since its inception in 2002. Over the past two decades, the company has been focusing on improving its technical strength, streamlining the quality management process, and continually benchmarking against the advanced machinery companies worldwide to promote its transition from simply a machinery manufacturer to a turnkey solution supplier.

For this, Mr. Richard Yan, the Chairman and CEO of YIZUMI, said, "In the past 20 years, YIZUMI is just a Chinese company, which sees the world from the perspective of Chinese market. But the next YIZUMI will be a global company and see the world from a global perspective. YIZUMI strives to grow bigger and stronger to be a world-class brand in the machinery manufacturing industry."

Driven by industrial sentiment Let the world see YIZUMI

Most partners of YIZUMI have been in the machinery manufacturing industry for around 30 years. As veterans in the industry, they have deep feelings for their careers. They try to make excellent products and let the world see them. This is also the original intention of YIZUMI.

For this, YIZUMI advances itself from "products, operations and globalization" to drive its continuous growth. After 20 years of hard working, YIZUMI has now become a company that develops in all fields of molding and casting equipment, including injection molding machines, die casting machines, rubber injection machines, high-speed packaging machines and robotic automation system, and its business covers more than 70 countries and regions.

"Exporting and doing business abroad only represent a company's market share and scale is bigger, but it does not mean that the company is outstanding. In the future, we will continue to learn from those excellent companies and break through to make YIZUMI a world-class brand in our field." Mr. Richard Yan emphasized, "We must always be enterprising and set clear development goals to promote the implementation of organizational structure, and grow together with our employees."

And now, when dealing with the unpredictable international economic situation, company leaders must plan ahead. When the environment changes, they should adjust the company's expansion speed and direction in time. YIZUMI used to make three-year strategic planning, and it has been adjusted to a five-year cycle since 2021 and has introduced a '5526' strategic planning then.

The goal of marketing revenue is no more than a number in YIZUMI's development. In the future, YIZUMI will adhere to the direction of its strategic planning, and go forward to its goals of ranking in the top five globally for injection molding machines and top three globally for die-casting machines. Meanwhile, YIZUMI will compete with the top machinery manufacturers from Japan and Germany in the global market to expand its global market share and reach the global medium to high-tier customers.

Mr. Richard Yan explained: "Five-year strategic planning is very important to YIZUMI. We analyze and extract market insights and differences to make our own strategic planning based on a certain template and compared with industry benchmarks. It will guide us to our goals gradually and firmly."

In recent years, there have been more and more uncertain factors in the domestic and overseas markets, and the market competition has become more intense. However, scientific planning and management have enabled YIZUMI to have a richer ability to deal with these uncertainties.

"Strategic planning is all about selection and trade-offs. The one that can help you to achieve your goals more quickly and effectively is a good strategy." Mr. Richard Yan emphasized that the most difficult thing for a strategy is to execute, not to formulate. The effective implementation of strategies involves reforms to the organization, process and talent structure. And these reforms need to be supported by corporate culture.

Shaping innovation mechanisms To drive the future development of YIZUMI

Driven by the deep feelings for the industry, YIZUMI has a forward direction and a clear strategic plan, but how to keep the company moving forward and operating efficiently? Mr. Richard Yan believes that the pursuit of all-round improvement and strategic layout will be essential factors to drive the future development of YIZUMI. And we need a good mechanism and scientific management system to fulfill these objectives.

In the machinery manufacturing industry, technical experts used to be the main force and play an important role in the processes of product definition and design, which are likely to result in products with good technical performance, but might be hard to produce or sell. YIZUMI also has learnt from such experience.

We need to reform our R&D process to get closer to customers' requirements. To this end, YIZUMI has benchmarked against Huawei, drawing on its transformation of product development process to conduct comprehensive and complete process management of the product life cycle. Meanwhile, the three main business process systems of R&D, production and sales are closely integrated to enhance their coordination of the whole process.

"There is much professional knowledge and expertise in each main business process. Especially through the Integrated Product Development (IPD)[1] process, companies can find out their own inadequacies, such as: strategic market insights, also called as strategic marketing with a fashionable word." Mr. Richard Yan explained, "In the past, 'marketing' means to catch the trend, producing what was popular at the time, which lacks of thorough and medium to long-term market insights."

However, the capability of market insights is actually related to product development. Many great companies and products originate from the guidance of market insights on product research and development. For example: Apple Inc., which can dig deep to the future needs and define its products earlier than its rivals.

For this, Mr. Richard Yan said, "YIZUMI has become the first company in the injection molding machine industry to successfully introduce the IPD model five years ago. And this allows us to get rid of the original way to develop products and start exploring the true Leads To Cash (LTC)[2] process."

In 2022, YIZUMI has worked together with the former supply chain team of Huawei to upgrade the supply chain process by introducing the Integrated Supply Chain (ISC)[3] reform, ensuring that we can be more effectively to meet the market demand. At the same time, we introduce the new CRM system as well. Meanwhile, We have built a continuous improvement team (CIT) to promote the consecutive optimization of the above-mentioned process systems.

1. **Integrated Product Development (IPD)** is a framework to help management and active project teams reach innovation goals. Originating in government systems, IPD is a management theory that promotes simultaneous integration of multi-disciplinary teams and concurrent engineering.

2. **Integrated Supply Chain (LTC)** management is an approach to supply chain management that focuses on the optimization of resources and processes throughout the entire production process. It leverages technology and data-driven insights to help companies make decisions that reduce costs, increase efficiency, and improve customer satisfaction.

3. **Integrated Supply Chain (ISC)** management is an approach to supply chain management that focuses on the optimization of resources and processes throughout the entire production process. It leverages technology and data-driven insights to help companies make decisions that reduce costs, increase efficiency, and improve customer satisfaction.

"Standardized" Operation Contribute to YIZUMI's global expansion

Substantial investment and capital are the essentials of the machinery manufacturing industry. And the machine industry is also an important pillar of the national economy. At present, YIZUMI has taken a leading position in the Chinese market. But to be a future ready company, we need to redefine the market and customers, and update product and technologies synchronously to open up new market.

"Globalization is an inevitable trend. When a company grows to a certain extent, restricting itself to a Chinese company will definitely constrain its perception and development. We need to adjust our mindset to regard ourselves as a multinational company headquartered in China." Mr. Richard Yan believes that there is still gap to catch up with European technologies and industry benchmarks, especially for the machinery manufacturing industry. We must connect with advanced technologies and make a good balance between product quality and production quantity.

Germany and India are the two most important overseas markets of YIZUMI. At the end of 2017, YIZUMI established a R&D (Research & Development) center in Aachen, Germany. It has its unique mission to act as the YIZUMI innovation engine and drive the upgrading of technologies and products.

In order to further meet requirements of local customers in Germany for equipment performance, quality and service, technical service centers in Nuremberg and Lippstadt have been successively established by YIZUMI, which are mainly responsible for the sales and service of products in Germany.

During the business process, the demands from mid and high-end markets have been increased. It further enhances technology innovation of YIZUMI, thereby accelerating the pace of integration with the market and technology in Germany.

India is another very important market for YIZUMI. In 2022, YIZUMI invested more than 100 million RMB to build a new factory in Gujarat, India. The factory adopts digital lean manufacturing concept and employs the same manufacturing process standard and product quality standard as in the HQ in China. Basing on local market situation, YIZUMI India optimizes some of their process in order to deliver quality product and service to local Indian customers in a swift way.

"Product and process standardization is of utmost importance in global operation. Unavoidably, we will encounter different problems and requirements when we try to build our machines and sell our products in different overseas markets, with a high degree of standardization. We can avoid high cost when we try to fit into the situations." Mr. Richard Yan said.

Meanwhile, the infrastructure of YIZUMI in China can support basically a yearly turnover of RMB 7 billion. In the future, YIZUMI will invest more in strategic overseas market. We will strengthen our technical support and service capability to create more value for our global customers.

(The feature written in December,2022)

Zhang Tao (James Zhang):

Create Limitless Possibilities for Achieving the Strategic Goal

Making careful considerations, thorough plans, and strategic preparations for future sustainable growth is YIZUMI's operating wisdom.

At the end of 2020, YIZUMI developed the new strategy, successively setting out the vision of "To be a world-class molding equipment solution provider" and drawing up two major strategic themes of the expansion in the global market and the penetration into the global high-end market.

In this regard, Mr. Zhang Tao, the deputy managing director of Yizumi Holdings Co., Ltd. ("YIZUMI") and general manager of the injection molding machine division said, "After 20 years of rapid development, YIZUMI has continuously improved its product quality and service level, and has always been at the forefront of the industry with strong technical know-how, which have greatly boosted our confidence and created limitless possibilities."

Penetrate into the market changes, and firmly seize the initiative of development

2022 marks the 20th anniversary of YIZUMI. After all these years of development, YIZUMI has built a comprehensive product portfolio of injection molding machine, including three-platen servo hydraulic, all-electric, two-platen and multi-component series. With this advantage, how to provide better services and create more value to customers, and build core competitiveness in the industry are main points at issue that we should take into consideration in making strategic planning.

To this end, we determine to upgrade to a system integrator, or to build an ecosystem based on injection molding machines, including main engine, mold, automation and information systems, etc. to provide customers with an overall turnkey solution. And we believe that this transformation will effectively promote the improvement of our technology.

"Our key aim in adjusting product structure will be to provide better cost-effective solution for global customers while adhering to further technological advances." As one of the executives of Injection Molding Machine Division, Mr. Zhang Tao has his own distinctive perspectives on the future development of the industry.

He analyzed: "China will continue to hold a prominent position in the global manufacturing sector over the next five years and will continue to be the world's most important market for polymer molding equipment for a long time. However, the old manufacturing modes, such as labor-intensive and handicraft sectors, will be unsustainable, as China's economic growth mode is shifting. And the manufacturing industry should shift into a high-quality growth mode to meet customers' needs in the Chinese market."

Compared to the Chinese market, other worldwide markets are going through significant changes and adjustments. The COVID-19 epidemic has had an unprecedented impact on industrial and supply chains worldwide in the past few years. Moreover, the energy expenses of manufacturing companies in Europe have greatly increased as a result of the energy crisis, and numerous manufacturing sectors are struggling with issues like changing the energy structure and increasing energy effectiveness.

In response to these adjustments, we should concentrate on product technology research and development, operational efficiency enhancement, and the development of global customer service system to comprehensively improve our capacity to serve global customers and seize the new opportunities presented by the market pattern changes, and the adjustment of the industry development mode.

Execute every task steadily and improve our core competencies

This new strategy outlines the development goals for the following few years, which not just contains key indicators to guide YIZUMI's future growth, but also defines the strategic direction of our development over the next few years. Therefore, we will pay special attention to this strategy, execute every task steadily and improve our core competencies.

In the future, YIZUMI will focus on advancing organizational reform that brings the marketing service system closer to customer and market needs, continuously enhance integrated product development (IPD), and achieve the goal of "comprehending the needs of product and technology development from customers, and evolving our businesses in response to customers' feedback".

At the same time, recognizing market needs and industry development trends, compiling product and technical roadmap planning, new technology and new process white books, ensuring investment in R&D costs and staff, developing new products and new technologies as planned are essential factors for YIZUMI to win customers and the market with technical and product innovation, and add more value to the customers.

With the help of the lean manufacturing system, we are able to internally develop and enhance an all-round digital quality management system, and create highly reliable products to gain customers' trust. Additionally, we will continue to support the development of global marketing service system, enhance technical assistance and customer service throughout the whole product life cycle, and comprehensively improve the quality of both our products and customer services to raise customer satisfaction.

Mr. Zhang Tao emphasized: "We must offer prompt, effective customer service, swiftly deliver equipment to customers and rapidly respond to their needs regardless of where the customers are. And this is not only the requisite for market development, but also an important reason why YIZUMI now has a big market share and gains currency among customers."

In addition, we should create a competitive supply chain and strive for perfect product delivery. And now, the integrated supply chain (ISC) project is going on smoothly. YIZUMI aims to achieve supply chain system restructuring and overall competitiveness improvement in three years, as well as perfect product delivery capability worldwide and new competitive advantages.

■ The workshop of Wusha No.3 Factory

Focus on green science and technology innovation and explore new form of circular economy

In the exploration of connecting the advanced molding technology of China and Europe, YIZUMI has consistently developed a number of cutting-edge innovative processes and technologies, leading the development of the industry. In the past few years, injection molding processes for lightweight polymer material parts like FoamPro, FoamPro-Chem, WITPro, DirectPro-DIM, and others have been developed consecutively, which means that we have the capability to offer customers turnkey solutions in relevant fields.

Green science and technology innovation is one of the important development directions of technology and equipment of polymer processing and molding and also one of YIZUMI's focus areas, which supports our technology and product innovation in this field. We strive to reduce the environmental impact of the polymer material's molding process and the entire product lifecycle through the innovation to jointly address with the environmental impact of polymer materials and the challenge of global climate change.

To improve customers' energy efficiency, all of our injection molding machine product lines should continue to research and develop industry-leading energy-saving technologies and products, reduce the unit energy consumption of plastic products, and achieve intelligent detection and optimization of energy consumption in the production process of equipment.

If polymer materials can be recycled after fulfilling their roles, the negative impact of waste polymer materials on the environment and the overall consumption of polymer materials will be greatly reduced. YIZUMI also researches and develops relevant technologies and products to contribute to the circular economy and create new growth opportunities for ourselves.

In addition, polymer materials, especially disposable plastic goods, have a significant impact on environment. For this, the use of environmentally friendly alternative materials, including expanding the use and application of degradable materials, is becoming a crucial industry development in the field of disposable products, and also needs the development of molding technology and related molding equipment.

"All these emphasis of our work are requisites for accomplishing our development goals. Additionally, YIZUMI will keep advancing our market promotion and application of these technologies to make products lighter, use less materials, and produce better-quality products." Mr. Zhang Tao emphasized that "To offer organization safeguard to achieve major tasks and respond to more challenges, we should introduce and develop talents, and continually increase organizational capacity."

■ Assembly Line in Wusha No.3 Factory

Zhou Jun:

Adopting the Technology-Driven Approach to Achieve Transformation and Upgrading for Manufacturing Industry

At the end of 2020, YIZUMI developed the new strategy, setting out the vision of "To be a world-class molding equipment solution provider" and drawing up two major strategic themes of the expansion in the global market and the penetration into the global high-end market.

For this, Dr. Zhou Jun, YIZUMI's Chief Technology Officer (CTO) expressed: "Our strategic goal is to leverage on the global strategy, adopting the technology-driven approach to achieve industrial transformation and upgrading for YIZUMI. It requires the following five parts that are organically combined together, mutually complementary and indispensable to each other: globalization of the business, the industrial operating platfrom, the talents, the technologies and the capital."

Therefore, for YIZUMI to achieve its strategic goals, it must develop and master the core technologies, deeply implement its leading technical strategy. It must gain a foothold in the global market and acquire the customers worldwide, and quicken its deployment in the key global markets and enhance the operational levels of its factories, subsidiaries, and technical service centers. It must also build a global talent team and a global collaborative, innovative platform, strengthen its cooperation of "products' study, research and application" with global leading research schools, institutions, and platforms and reinforce the creation, protection and application of the independent intellectual properties to develop differentiated competitive advantages.

Zhou Jun
CTO of YIZUMI

Technology enables businesses to achieve cost savings and performance enhancement

The question of how to create sustainable competitive enhancement and boost values by adopting the innovative technologies that drive the businesses is, in fact, a critical issue that any company must consider and prepare a concise plan amid the complex and ever-changing operating environment within and beyond the company.

With a fresh round of the booming technology revolution and industry transformation, digitalization, networking and intelligentization have become the development mainstream of the equipment manufacturing industry. As a leading company in the industry, YIZUMI is supporting, enabling and leading the businesses through technological and product innovation as well as providing the best value experience for our partners by adopting the key technology path of "energy savings, environmental protection, high efficiency, economy and ease of use."

"In order to achieve this market positioning and goal, it is necessary to maintain continual thinking about the technological strategy and deployment in the medium and long term in the first place." Dr. Zhou Jun added, "Technology should not only support the current business development needs, but more importantly, it should also be able to lead the continual enhancement of businesses which requires looking forward to the future, resolving the conflicts between short-term interests and long-term development. To resolve conflicts between short-term interests and long-term development, it must consider the strategic development planning of technology in the medium and long term."

Second, the construction of technology goals must take into consideration of the alignment with the business path. The purpose of technolog innovation is to promote the sustainable development of businesses. The role of technology innovation for the achievement of business goals at different stages is different, however. The invested resources may not necessarily produce a positive impetus instantly, and it may even weaken the current business investment to a certain extent. Thus, it requires a reasonable construction of technology goals according to the overall business demand to meet the diversified needs of different business scenarios.

Last but not least, technology research and development must adhere to independent innovation to master the core technologies as its main goal. The construction of technology goals must integrate the original innovation, integrated innovation and the innovation based on the incorporation of technologies being introduced together, and maintain the two-way drive of market and technology in a persistent manner. To build the core technology clusters, it must roll out the three-dimensional and progressive R&D and create an industry-advanced technological innovation platform to achieve the goals of supporting, enabling and leading the businesss development.

■ Technical Committee of YIZUMI

Restructuring the value system and enabling the digital transformation of companies

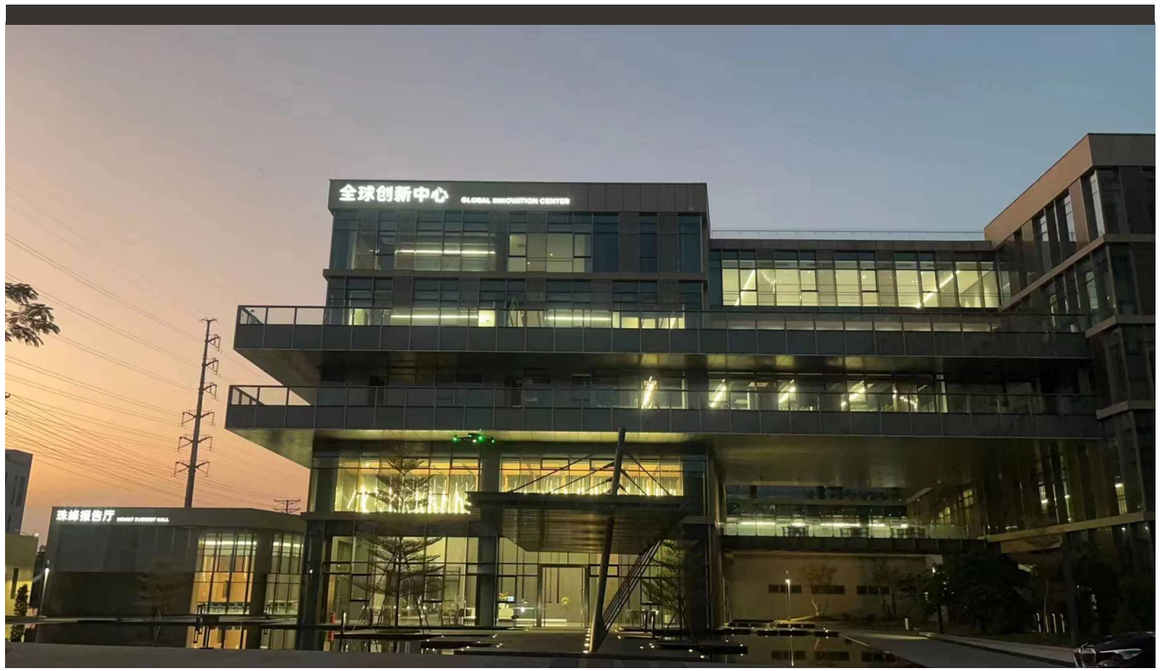
Now, digitalization has become an irreversible trend in the future. In comparison with the traditional companies, modern and futuristic companies with robust digital genes are more versatile, have stronger creative abilities and broader space for growth. For companies, however, digital transformation is only a means but not an end.

"To achieve digital transformation, YIZUMI clearly understand the strategy and business goals of corporate development in the first place. It must build its digital strategy based on our new strategy to achieve the synergy between the industrial chain and value chain." As the leading icon of YIZUMI's technological development, Dr. Zhou Jun has his own unique perspectives.

For YIZUMI, digital transformation is mainly divided into the internal and external aspects. The "internal" aspect refers to the enhancement and restructuring of the business, while the "external" aspect refers to the expansion and upgrading of the business. The internal digital transformation focuses on the completion of construction and integration of the internal information, which includes the horizontal collaboration and integration with the business value chain as its core, as well as the vertical integration with manufacturing and production as its core, with the accomplishment of the horizonal and vertical integration at the same time.

Setting out from the internal corporate management process, regardless of the technological R&D, sales, or production, every process requires to be standardized and process-oriented, followed by being digitally transformed and upgraded according to our characteristics to achieve business agility, automation and adequate versatility and resilience in the face of intense market and customer demands.

Currently, YIZUMI is critically driving the optimization and restructuring of the Integrated Supply Chain (ISC) and the implementation of Integrated Product Development (IPD), both of which are fundamental support for digital transformation from the perspective of process standardization.



■ YIZUMI Global Innovation Center

In addition, it must build an Information System at the strategic level, deeply integrate PLM, ERP, MES, CRM and other digital software platforms for design and manufacturing, and eradicate data silos to achieve a holistic-process manufacturiung system driven by data. At the same time, aligning with the national digitalization strategy of the manufacturing industry and the current industry trends, it must also construct a digital product ecosystem revolving around the intelligent hosts, intelligent units, intelligent production and intelligent services so as to achieve the upgrading and restructuring of the businesses.

Building core competitiveness to drive the cross-boundary growth of the business

As the industry leader with over 20 years of experience in R&D and manufacturing of die casting and molding equipment, YIZUMI's products have encompassed several industries that are directly related to the people's livelihood, such as automobile, medical, 3C, daily necessities and building materials.

YIZUMI is closely revolving around its development strategy, adopting the "Global Innovation Center" as its platform, forming a cluster of high-end talents and R&D resources at home and abroad, interconnecting the technologies of China and Europe with a constant adherence to the concept of independent innovation and a big push to develop the core technologies with independent intellectual properties, including LEAP series of die-casting machines, 8500T ultra-large injection molding machines and other high-end, advanced manufacturing equipment. It will continue to achieve breakthroughs in new products and technologies, quickly growing in a cross-boundary manner.

YIZUMI has built a marketing network and service team spanning across all industries at home and abroad, with over 40 global sales and service offices in North America, Europe, Southeast Asia, India and China. Its perfect marketing and service network can deliver comprehensive, quick response and professional services in business expansion, product sales and installation, repair and maintenance, capable of helping its partners to achieve the optimal operational value.

Besides, YIZUMI has also constructed the most advanced intelligent manufacturing plant in the industry. It is based on adaptive intelligent manufacturing technology, and real-time information interaction between the virtual plant and the physical plant. Through the organic integration between the subsystems, the intelligent plant is able to generate the comprehensive perception, in-depth analysis, scientific decision-making and precise execution in the holistic scope, achieving a fast and highly versatile user-centric production means to provide the customers with reliable products.

With the accumulation of prior experiences over the years, YIZUMI has established an impeccable branding image in the industry with its comprehensive product series and high product quality. It will continue to build a superior independent brand. In the foreseeable future, YIZUMI will also continue to leverage on its Global Innvoation Center to quicken the construction of the Research Center for Die Casting and Metal Molding, Research Center for Polymer Processing, Research Center for Advanced Processing Technologies (Germany) and Research Center for Smart Manufacturing. Moreover, it will conduct in-depth research in several areas, including material technology, molding process control technology, virtual simulation technology, big data analysis and diagnosis, artificial intelligence technology, AR/VR application technology and many more to master more core technologies and further enhance the competitiveness of YIZUMI's products.

YIZUMI China Wusha No.3 Factory was Officially Put into Operation

On December 15th 2022, the YIZUMI China Wusha No.3 Factory (Wusha No.3 Factory) was grandly opened that marked the inauguration of i-Factory & Ultra Large Die Casting Machine Factory of YIZUMI China. Government leaders, experts, suppliers and representatives were invited to participate and discover the way to connect advanced molding technologies and trend of industrial digitalization.

Although the global economy has experienced a slowdown, YIZUMI, as a leading enterprise in the molding machinery field, still keep trying to face the challenges and expands its investment in facilities, showing its solid confidence for future economy development, business environment and its own stable development.

Richard Yan, Chairman and CEO of YIZUMI, said, "The total investment of Wusha No.3 Factory is more than 2 billion Yuan. This new project will be a good example of digital and intelligent factory that may improve our production capacity in a modern and smart way. We will strive to achieve the goal of "building another YIZUMI" within a certain time frame.

i-Factory promotes the digital transformation of YIZUMI to satisfy the diverse global market demand

The era of the digital economy has already come. Digital and intelligent transformation is no longer an optional extra for companies, but a task that must be done to be survived in the long run.

So, what is the difference between i-Factory and other YIZUMI factories? Mr. Richard Yan explained:"YIZUMI has built i-Factory based on the concept of 'carbon neutrality', which reduces energy consumption by about 30% compared with other factories. In i-Factory, we will witness the future development of machinery and equipment manufacturing technology."

It is precisely based on the concept of lean manufacturing and the application of technologies such as artificial intelligence, big data, and the Internet of Things that YIZUMI has tailored an "intelligent manufacturing system" for i-Factory and realized digitalization of the entire production management. The production plan, product quality, and equipment operation status can be accurately grasped. The production process is automated so that a machine is offline in 15 minutes. Meanwhile, the production cycle is shortened by 33%, and the whole output is increased by 80%.

This is inseparable from the simulation of digital twin technology. It is connected to production equipment in real time, providing enterprises with an executable virtual model that can effectively help optimize the entire production process and planning. This not only realizes the automatic flexible production line of multi-product, multi-form and multi-process collaborative production, the application of Internet of Things technology and advanced detectors, but also helps enterprises monitor various quality and energy efficiency data in real time to ensure stable product quality.

Mr. Richard Yan emphasized, "The future of industrial equipment manufacturing is efficient, flexible, intelligent and sustainable. Most importantly, it is human-centric. In i-Factory, all will become a reality. YIZUMI is committed to using the factory to produce premium products."

■ YIZUM China Wusha No.3 Factory

Ultra large die casting machine factory put into operation, YIZUMI enters into the ultra-large integrated die casting field with modern new factory

New energy vehicles and integrated structural die casting are popular topics in recent years. The integrated die casting process is becoming popular because of its advantages in light weight, environmental protection and cost-efficiency.

YIZUMI is a market and customer needs oriented company. We keeps working hard on developing die casting machines with larger tonnages after we achieved critical technology breakthroughs with our LEAP series machines in recent years. And we release the ultra-large 6000T and 9000T die casting machines this year that facilitates the application of structural die-casting parts in China.
So far, we have cooperated closely with OEMS like FAW and Changan Auto in the LEAP series ultra-large die casting machines. To better meet the needs of integrated structural die casting for NEV components, YIZUMI started building an ultra large die casting machine factory at the beginning of 2022.

This new factory is located in our Wusha No.3 Factory with a total area of about 23,000 square meters. It will contribute more than 1 billion Yuan throughput and be able to produce 100 sets of large to ultra-large die casting machines annually after its operation.
This modern facility is specially designed to meet the requirements for the production and assembly of ultra-large die casting machines with locking forces up to 20,000 tons. And it will promote YIZUMI as a leading manufacturer in the ultra large die casting field in the world.

To incubate a high-end intelligent equipment industry cluster and achieve the goal of "building another YIZUMI"

Wusha No.3 Factory has been carrying the mission of transformation and operational reform of YIZUMI, as well as the integration of information technology and advanced manufacturing technology in future development.

It is located in Wusha National High-Tech Zone, Guangdong Province, China with a land area of around 179,000 square meters and its building area is up to 260,000 square meters. It also considered as a landmark for local machine manufacturing industry and an important milestone for the development of YIZUMI.

Following its globalization strategy, YIZUMI has established 4 production bases for injection molding machines production at home and abroad (three of them are in China and one of them is in India). The output in total will be more than 1000 sets of machines of different sizes per month.

In October, 2022, YIZUMI New India Gujarat Factory was officially put into operation and its annual throughput of injection molding machines with clamping forces of up to 4000 tons will exceed 2000 sets. In the future, Wusha No.3 Factory will contributes 2.5 billion Yuan annual throughput to the injection molding product lines.

When all of the factories are running with full momentum, the production capacity of the whole YIZUMI group will exceed 7 billion Yuan that may double the current operating income.

A Big Step to the New Era in Plastic Industry

8500-ton Ultra-large Injection Molding Machine Delivered

The largest injection molding machine in China, which was designed, developed and produced by YIZUMI, was officially delivered to the customer in 14th, March. It marks that the machine is officially put into operation by customers.

The 8500-ton ultra-large high precision injection molding machine has been hailed as one of the noticeable breakthroughs of YIZUMI. It is not only the largest-tonnage machine installed in China, but also could meet the customer requirements in molding process relying on its advanced technologies, such as precision control technology, thick-wall injection molding technology for large transparent parts, synchronous plasticization by two injection units, and injection compression molding technology.

The machine was manufactured by the team of two-platen injection molding machine of YIZUMI. The rated clamping force of the machine is 8500T, and the maximum clamping force can reach 9000T, which has achieved a breakthrough in the key technology of China ultra-large two-platen injection molding machine, and also set a new record of injection molding machine industry in China.

8500-ton ultra-large injection molding machine, the first injection molding machine with the largest clamping force in China, embodies the wisdom and painstaking efforts of the YIZUMI R&D team, and it is the result of the continuous pursuit of excellence by the experts participating in the research and test in overcoming difficulties.

The project has entered the stage of preliminary technical research and technical demonstration since the middle of 2019. During this period, a large number of technical personnel of YIZUMI have carried out preliminary demonstration, scaling experiment, process test and other work. After that YIZUMI has determined the direction of research and development. Through a large number of project design, data calculation and simulation analysis by the research and development personnel, it has overcome a series of engineering problems such as the manufacturing, assembly and functional testing of ultra-large parts of the machine.

Through continuous testing, the machine passed the client's scheme review, technical review and process review in the first quarter of 2021, and completed the whole machine assembly and test run in December of the same year. In order to ensure that the production process of the customer's products meets the requirements of mass production, three mold tests were conducted in 2022 to fully verify the performance of the machine. It completed the process validation of the customer's products and the production of the customer's first batch of products at the end of November of the same year. It totally took three and a half years from the early technical demonstration to the successful production, during which more than 30 technicians participated in the development of the machine.

The 8500-ton ultra-large high precision injection molding machine is a key product that YIZUMI has built with great effort in recent years. Its accuracy of mold opening and closing is able to up to ±0.3mm and two injection units with a maximum shot weight of 140 kg. Meanwhile, it can be used in one-step molding of large-sized transparent plastic parts (or with metal inserts) with high requirement in part shape, light transmittance and accuracy, solving the molding difficulties of large-sized transparent plastic part in China.

Besides, the machine incorporates cutting-edge technologies in the industry, including injection compression molding (ICM) technology, Smart Clamp technology, internal circulation two-platen clamping unit and closed-loop pump technology special for optical products. The control system integrates smart control technology, information technology and Internet technology independently developed by YIZUMI. And the machine is of high precision, high speed and intelligence, energy saving attained 30% compared with traditional three-platen machine.

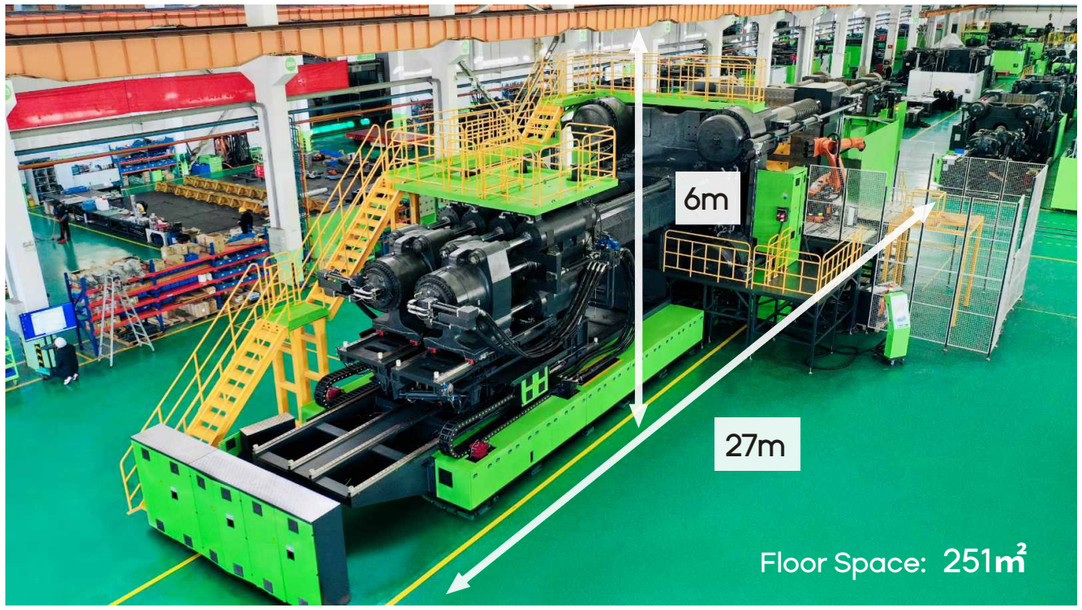
In February 2023, China Plastic Machinery Industry Association (CPMIA) recognized that the technology of 8500-ton Injection Molding Machine reached the international advanced level and agreed to pass the appraisal.

With the rapid development of domestic aerospace and automobile industry, the demand for ultra-large injection molding products is gradually increasing. YIZUMI will continually develop new products, new technology and new process, to improve the integrated solution for ultra-large injection parts. One-step molding of large plastic components achieved by integrating different in-mold technologies, replacing the assembling production of small and medium size plastic parts, will gradually become a new technical trend.

At present, the machine which was completed prototype development and commissioning has been delivered to customer. For this achievement, Deputy Managing Director of YIZUMI Group & General Manager of Injection Molding Machine Division, Zhang Tao introduced: "The R&D of the 8500-ton ultra-large high precision injection molding machine has taken a leading role in the development of large-scale injection molding machine for the plastic industry. In terms of tonnage and injection weight, this machine is the largest injection molding machine produced in China at present"

"This machine is not only large, but also we have adopted new technologies such as injection compression molding process and synchronous plasticization by two injection units." Zhang Tao emphasized, "The development of the machine has increased more possibilities for our application in large plastic parts. It also means that YIZUMI has achieved the leading position in the industry of ultra-large injection molding machines in global."

As the first product of injection molding machine with the largest clamping force in China, 8500-ton ultra-large injection molding machine can meet the demand for ultra-large products in aerospace, automotive industry, petrochemical pipeline, transportation facilities and other fields. Meanwhile, it has solved a series of difficulties in the processing, transportation and assembly of ultra-large equipment, and provided customers with more cost-effective ultra-large transparent plastic molding solutions.



YIZUMI Hits CHINAPLAS 2023 with Innovative Technologies

CHINAPLAS 2023 is held on April 17th-20th, 2023 at Shenzhen World Exhibition & Convention Center in China. As one of the world's largest plastics and rubber trade fairs, CHINAPLAS 2023 brings together many well-known enterprises at home and abroad, and is an important platform to display and exchange the latest rubber and plastic molding technologies, equipment and products in the industry.

YIZUMI displays special solutions with the tagline "Think Tech Forward".

Looking forward to seeing you at CHINAPLAS 2023!

As a leading company involved in different but related fields of molding and casting equipment, YIZUMI presents innovative injection molding solutions at CHINAPLAS 2023 (Booth No.: 12J41). At the exhibition, YIZUMI displays a new brand image and a higher strategic goal to customers. It is a good opportunity to communicate with global customers and jointly promote the progress of the industry.

Brings innovative solutions to CHINAPLAS 2023

As an advanced molding equipment system and service provider, YIZUMI is committed to providing high-quality and personalized injection molding solutions to various customers. We display different innovative solutions such as ReactPro integrated solution of polyurethane and injection molding, LED beads molding, automotive side door IMC panel molding, petri dish molding, and intelligent manufacturing solutions on site. Our team of technical experts will introduce products and solutions in detail.

Goes up against the general downward trend

In the past three years, affected by the pandemic and the international situation, the development of the molding equipment industry has generally been under pressure. In the face of difficulties, YIZUMI continued to increase investment in scientific research and continuously optimize products, resulting in steady growth in China and overseas market share. In 2022, the Global Innovation Center was put into operation officially, which was a "core engine" for the development of YIZUMI. In the same year, our New India Gujarat Factory and China Wusha No.3 Factory were also successfully put into operation. There were significant marks that the production capacity continued to expand globally and the manufacturing model of Industry 4.0 continued to change.

Simultaneously, YIZUMI has made a major breakthrough in the field of ultra-large molding equipment. The 8500T ultra-large injection molding machine successfully passed the expert technical appraisal in February. Its rated clamping force is 8500 tons and the maximum can reach up to 9000 tons, which is the first of its kind with the biggest clamping force in China. The pioneering technologies of YIZUMI can meet the production needs of high-end market globally. The launch of this equipment also has had a significant impact on the development of ultra-large injection molding machines.

In addition, YIZUMI successfully seized the development opportunity of new energy vehicles (NEVs) and reached a cooperation with BYD, a new energy vehicle giant, with an amount of more than 300 million RMB. The products are mainly all-electric injection molding machines, which can be used to produce interior and exterior trims of different sizes for various NEVs. This cooperation marks our successful entry into high-end market of the automotive industry, and it also means that our technical strength has been recognized by the leading companies in NEVs industry.

Steps firmly towards internationalization with new brand image

After 20 years of continuous development, YIZUMI has established subsidiaries in Germany, the United States, India, Vietnam, Brazil and other countries, with business all over the world. In order to better move towards internationalization, YIZUMI needs to sharpen its image as a global technology enterprise. In 2022, YIZUMI took the initiative to carry out brand renewal, set sail with a new brand image, and better spread value to the global market. CHINAPLAS 2023 is also the first large-scale international exhibition for YIZUMI after its brand upgrade.

After upgrading its brand image, YIZUMI will take the mission of "Global expertise - Solutions for the world", adhere to the concept of "Sustainable, innovative technology for humankind", and practice the values of "Think forward, Respond swiftly, Strive higher, Advance together." We are moving forward with our vision of "To be a world-class molding equipment solution provider". The new brand image is more mature and powerful, and we will provide better and more advanced services to global customers.

Sincerely invites you to visit the booth

For the first time, YIZUMI appears on the international stage, CHINAPLAS 2023, with the tagline "Think Tech Forward" to compete with top companies, but also expect to jointly promote the development and progress of the industry by linking global wisdom. Moreover, YIZUMI hopes to take this opportunity to establish closer cooperation with all customers and explore more business opportunities together.

THINK TECH FORWARD

D1-E Series Hybrid Injection Molding Machine:

Molding Solution for IMC Panel of Auto Side Door

In recent years, changing demand for plastic products and the innovation in research and development of degradable materials have promoted continuous development of injection molding machine industry technology towards high precision, high efficiency, low energy consumption, environmental protection, safety and intelligence.

As an innovative company, YIZUMI has been promoting the application of green manufacturing technologies, developing energy-saving technologies and products, and driving technological progress in the industry. For this reason, YIZUMI has launched a hybrid injection molding machine which combines the hydraulic technology of a two-platen injection molding machine with all-electric technology to meet product performance and market requirements.

At CHINAPLAS 2023, our molding solution for IMC panels of auto side doors will be displayed by D1-E series hybrid injection molding machine. It is reported that this solution is a 3D side door panel decoration product for auto created by YIZUMI together with Shenzhen Hesheng Chuangjie Technology Co., Ltd. By using the In-Mold Circuit (IMC) technology, the product allows 3D touch control. Decorative patterns are printed on film sheets, conductive lines are printed on ink decorative layers, and then patterns and touch control circuits are made into a 3D intelligent touch panel through injection molding.

Value advantages:

1. YIZUMI D1-E series hybrid injection molding machine is based on D1 series two-platen hydraulic technology and FF series all-electric technology. By modularizing different units, they integrate with each other efficiently while retaining their respective advantages. The machine features stable product quality, low energy consumption and high efficiency. It not only meets performance indicators such as precision and stability of an all-electric machine, but also reduces investment cost.

2. Just as D1 series, D1-E series hybrid injection molding machine can expand the injection-compression molding and injection-breathing molding process that can reduce the clamping force, make the holding pressure more uniform and improve the surface quality and compactness of the product, to better solve product warpage problems.

3. Two-platen hybrid injection molding machines can be widely used in the production requiring high clamping force, high injection precision, high efficiency and energy consumption sensitivity, like the production of auto parts, aviation appliances, consumer electronics, medical electronics and smart wearables.

D1-E Series Hybrid Injection Molding Machine

Product : IMC Panel for Auto Side Door
Cavity: 1
Material: ABS920
Dimensions (LxWxH): 456x125.1x20mm
Weight: 80g/pc
Cycle time: 90s
Partner: Mold (Hesheng Chuangjie)

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

UN260C-BTP Multi-component Injection Molding Machine:

ReactPro Polyurethane and Injection Molding Integrated Solution

In recent years, new energy vehicles are the fastest growing field in the whole automobile industry. In the future, new energy vehicles will be an intelligent mobile space, and the driving experience will gradually change. Automobile interior trim parts and internal electronic systems are undergoing a series of changes from design to manufacturing. They will bring much new demand to the molding technology of parts.

As a new type of "smart" material, polyurethane (hereinafter referred to as PU) has been used by more and more manufacturers in injection-molded products with decorative skins, high-quality topcoats or functional coatings thanks to its softness and hardness, abrasion resistance, scratch resistance, self-repair, high light transmittance, high gloss and friendliness to "smart insert IME process".

In order to lead the trend and meet new customer needs, YIZUMI has developed with strategic partners and launched ReactPro polyurethane and injection molding integrated technology. It means that injection molding and polyurethane in-mold coating are completed on one device. It provides a competitive integrated solution that combines the advantages of polyurethane coating and injection molding, and met the demand for new functions in the future automobile industry in terms of products and processes.

At CHINAPLAS 2023, our ReactPro polyurethane and injection molding integrated solution will be displayed by UN260C-BTP multi-component injection molding machine. As a prototype of YIZUMI ReactPro polyurethane and injection molding integrated technology, UN260C-BTP ReactPro integrates YIZUMI C series high-end multi-component injection molding machine and polyurethane reaction equipment. It not only allows one-step molding of two materials with a two-color mold, but also enables small-batch verification with polyurethane in-mold coating by means of co-molding.

In terms of processing performance, this machine supports the thin-wall (up to 0.3mm) and thick-wall (up to 30mm) PU filling molding process. It reduces raw material costs while ensuring product performance, and also allows you to cover the surface of an irregular plastic substrate with a PU layer. The surface of a product made with this solution has richer, more delicate visual effects and tactile sensation. With features including scratch resistance, aging resistance, fingerprint prevention and self-repair, thin-wall PU parts are mostly used for decorative parts such as center consoles and operation panels. They can achieve visual effects such as highlighting, frosting or 3D depth of field. With strong aging resistance. weather resistance and rich visual effects, thick-wall PU parts can be used for automobile handrails and other accessories.

As compared with the traditional process, this solution integrates injection molding machines and polyurethane reaction molding equipment, allows one-step molding, greatly improves the production efficiency, shortens the processing cycle time and reduces the production cost. With zero-VOC emissions, its production process is environmentally friendly and thus free of environmental pollution. UN260C-BTP ReactPro provides customers with a cost-effective and valuable solution, which has broad application prospects in the fields of automobiles, 3C and household appliances.

Value advantages:

1.Integration of injection molding machine and polyurethane reaction molding equipment, one-step two-material molding of "injection molding + polyurethane", short cycle time, high efficiency and low cost;

2.With turntable mold technology, it is a new exploration of ReactPro one-step molding solution to realize rapid and accurate molding;

It realizes the production technology for 0.3mm thin-wall polyurethane products, and reduces raw material costs while ensuring product performance;

3.3D depth of field, multi-grain surface, high gloss, scratch resistance, self-healing and other product effects can be achieved; flexible, intelligent and efficient.

UN260C-BTP

Product : HMI (Human Machine Interface)
Cavity: 1+1
Material: PC/ABS + PU
Dimensions (LxWxH): 250x58x7mm
Weight: 55g/pc
Cycle time: 56s

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

PAC250M Machine for Medical Consumables:

Petri Dish Molding Solution

The medical industry is one of the national key industries. With the continuous emergence of new technologies and products, China's medical industry has maintained a steady and high-speed development. Medical products have many characteristics, such as variety, complex technology, high quality, sterility and cleanliness. There characteristics bring new requirements and challenges for medical product manufacturers.

PAC-M series is a special injection molding machine developed for medical consumables market. The machine design meets requirements for production processes of centrifugal tubes, test tubes, vacutainer blood collection tubes, Petri dishes and other products. For these, YIZUMI can provide customers with efficient, stable and clean injection solutions.

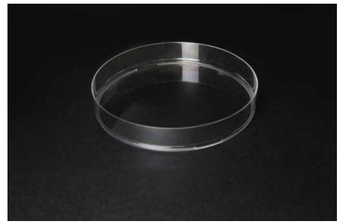
At CHINAPLAS 2023, our Petri dish molding solution will be displayed by PAC250M machine for medical consumables. The PAC250M is equipped with 8-cavity needle valve type full hot runner Petri dish mold. The product features optimized cooling and balance design, high-precision processing technology, flat gating, high flatness, high transparency, smooth surface and fast cycle. It is equipped with high-speed manipulators and automated post-process. It is a turnkey Petri dish production solution that allows injection, taking out, closing, stacking, bagging and testing in cleanroom environment. The whole system features high product quality, advanced process and high level of automation.

Value advantages:

1. Efficient plasticizing and injection units: Different plasticizing units are used for different raw materials to improve the quality and efficiency of plasticization. As the injection speed is very important to the quality of products, PAC250M supports different injection speeds up to 500 mm/s;

2. High-rigidity and short-period design: The molding cycle is the key to determine the cost of this kind of products. A high-rigidity frame, high-rigidity low-deformation platen and inward toggle crank arm are designed for PAC250M to allow its operation in a short cycle and ensure its long-term stability and service life;

3. Suitable for production in the cleanroom: This kind of products typically produced in a 100,000-level cleanroom is required higher operation cost, while small footprints of machine can effectively reduce cost. The compact PAC230M is only 5.7 meters long and adopt clean and energy-saving design, which can effectively reduce the risk of oil pollution, reduce energy consumption and improve the throughput yield.



Product : Petri dish
Cavity: 8
Material: GPPS
Size: Φ90
Weight: Bottom 6.3g and cover 5.8g
Cycle time: 6±0.5s

PAC250M

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

FF Series Electric Injection Molding Machine:

LED Beads Molding Solution

With the continuous improvement of industrialization and intelligence, its application scope will become deeper and wider. YIZUMI is committed to providing customers with better cost-effective products. To meet customer expectations on ROI, YIZUMI has sized up the situation and developed a new generation of electric injection molding machines: FF series.

Compared with traditional machines, FF200 electric injection molding machine boasts its comprehensively improved performance. It can meet more stringent requirements for optimizing core elements of a product (such as thickness, accuracy and complexity). FF series electric injection molding machines have been widely used in 3C, automobile, medical care, household appliances, toys, daily necessities, precision connectors and other industries.

At CHINAPLAS 2023, our FF200 electric injection molding machine will show the LED bead molding solution in the venue. This solution presents a fully automated unmanned production line, and allows automated take-out of multi-cavity products and automated positioning of fixtures. Its fully automated laser cutting system allows automated cutting and separation, automated weighing, automated packaging, automated bag sealing and fully automated unmanned production line.

It is reported that LED beads are a kind of light-emitting diodes. There are stringent quality requirements for this kind of optical products. They are required to pass the requirements for the test of light efficiency, transparency and other optical products. Such products must look bright, clean and free of defects such as yellowing, black spots, bubbles, flow marks and scratches.

As one of our solutions, FF series all-electric injection molding machine produces optical products with high quality. DSC (Direct Servo Control) technology is used for its injection part. Coupled with an optical special barrel assembly, it can better meet stringent requirements for optical products like LED beads.

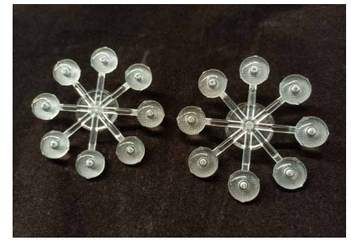
Value advantages:

1. Automated take-out of multi-cavity products and automated positioning of fixtures are realized. With an automatic laser cutting system, it allows process automation, including automated cutting and separation between nozzle and product, weighing, packaging and bag sealing, and helps you build an advanced unmanned production line;

2. An intelligent clamping force management system is introduced to intelligently execute injection, monitor energy consumption and control mold temperature. The repeatability of product weight is ≤ 1‰ and that of injection end point is ≤ ±0.05. It meets the requirements for Class A energy consumption and reaches EU Class-8 energy consumption (≤ 0.4 kW·h/kg);

3. The Yi+ Platform intelligent manufacturing platform is available for digital control of all production scenarios, and better solve your management pain points in production, quality, equipment and molds. Its intelligent energy consumption monitoring system allows you to monitor the power consumption of each product molding cycle in real time and convert it into electricity costs, so as to help customers accurately understand and control the energy consumption and cost of each product;

4. As more and more FF series electric injection molding machine models with modular and flexible combinations are being launched, this series can better undertake and meet production needs of customers from more sectors.



Product name: LED beads
Cavity: 128
Material: PMMA
Colour: Transparent
Weight : 0.64g
Cycle time (s): 30~35s

FF200

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

Rubber Molding Technology Leads the New Trend of Green Lifestyle

2023 is the new chapter of another twenty years of YIZUMI and the upgraded YIZUMI rubber injection molding machines also come with good faith.

From April 17th to 20th, YIZUMI brings three excellent machines to International Exhibition on Plastics and Rubber Industries (CHINAPLAS) in Shenzhen, China, including YL-H200F horizontal rubber injection molding machine, YL2-V250L vertical rubber injection molding machine, and YL-C50L C-frame rubber injection molding machine. On site, we make a full demonstration of the machines, including the appearance, configuration and operation, to offer you an unforgettable experience.

YIZUMI has consistently been focusing on the technology development strategy and expanded in the new molding technology and equipment fields of rubber and plastic materials and their composite system. In addition, we have in-depth cooperation with university and research institutions, and dedicate ourselves to green, low-carbon, energy conservation, environmental protection, and other technical issues to further enhance our leading competitive edge in the industry.

With the concept of open and share, we would like to exchange the development trend and market demand of rubber injection molding technology and seek the best solution with global customers at CHINAPLAS.

YL2-V250L

YL-C50L

YL-H200F

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

3D Printing Technology Allows Everyone to Become a Life Designer

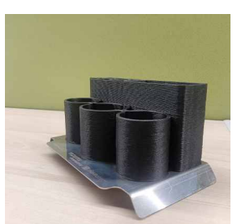
At the exhibition, we demonstrate how 3D printing technology combined with art furniture production can be used to create practical items that are accessible in everyday life, bringing technology closer to us and enriching our lives.

In addition, we display samples of industrial production parts and functional parts from a wide range of applications, including high-performance materials and flexible materials.

There are numerous advantages to using 3D printing technology. It lifts mold restrictions, shortens the manufacturing cycle, allows complex designs, and reduces material consumption. However, it has its restrictions like limited materials, restricted printing size and volume, high costs, insufficient speed and others.

YIZUMI developed the SpaceA industrial 3D printer to address the drawbacks of conventional 3D printing technologies. It is an industrial solution released by our Germany Aachen R&D Center, which has won widespread praise and has frequently participated in international trade fairs including Formnext, Fakuma, and K show.

The screw extrusion technology used by SpaceA has a faster manufacturing rate than the conventional FDM 3D printer. Granular materials has significant advantages in terms of costs and choices, which can be used to print high-strength engineering plastics as well as more environmentally friendly degradable plastics and flexible materials. The printing platform of SpaceA is bigger and more adaptable. Moreover, it has superior extensibility to accommodate processes like automatic manufacturing and second printing on parts surface.



Machine: Space A 3D Printing
Material: PETG
Part size: 370×300×1400mm³
Cycle time: 12h
Cavity Number: 1

SpaceA-2000

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

1-click Send!

Yi+ Smart Services –Process Migration Platform Goes Live!

The "14th Five-year-plan" distinctly prioritizes the optimization and upgrading of the manufacturing industry as an important mission, encouraging the companies to apply advanced technologies to promote the transformation of high-end, intelligent and green manufacturing. High-quality companies, such as automobile, medical and special appliances may face the following scenarios while standardizing their process management:

1. Mold testing process: The "Injection Molding Specifications" in the mold testing stage is manually entered into the equipment, verifying the viability of the process and creating a new set of mold testing specifications for reference.

2. Trial production process: The latest "Injection Molding Specifications" in the first trial production is manually entered into the equipment. The "Injection Molding Specifications" of such molding products is developed according to the streamlining of process with the product quality.

3. Mass production process: In the mass production stage, whenever there are product defects, the process technician will need to adjust the process to produce quality products.

Have you ever wondered about the following problem? During the injection molding manufacturing process, frequent manual adjustment of the equipment process specifications amid mold testing, trial production and mass production is required which may result in an overload of work volume, lackluster productivity and errors.

The new function of process migration in Yi+ Platform is independently developed by YIZUMI specifically for the injection molding manufacturers. By integrating the process control, it can upload and send process files to high-end intelligent injection molding equipment and peripherals with 1-click to manage the process intelligently.

Yi+ Platform is an intelligent manufacturing platform based on industrial internet to service the molding manufacturing companies. It uses the new generation of information technologies, including IoT, cloud computing, and big data to provide appropriate solutions for order management, production management, quality management, process management, production monitoring, intelligent services and other specialized tools, resolving the painful issues of equipment monitoring, productivity statistics and process tracing in the clients' production process, so as to reduce costs, enhance quality and boost efficiency to meet the developing needs of digitalization and intelligentization of molding companies.

◆ No full-time IT operations and maintenance staff required; no computer rooms and network investment required.

◆ Support interconnectivity with all popular ERP systems; support integration with popular brand equipment.

◆ Quick to go live to make companies quickly adapt to the new mode of digital production management.

◆ Having passed the Network Level 2 assurance assessment, the system ensures the security of clients' information.

The new function of process migration in the intelligent services of Yi+ Platform centralizes the management of process, prevents any on-site errors and better synchronizes with remote control so that users may just sit in their offices to control the equipment remotely. By doing this, it helps the clients to shorten the time to change the molds, enhance the precision of process settings, ensure the security of clients' process information to unlock more value for the clients.

◆ Manage the process data after uploading it to the servers without any data loss.

◆ Send the process files to the high-end intelligent injection molding equipment and peripherals without any manual adjustment.

◆ Monitor the key process specifications during the production process, auto-alarm warning, and notify the person-in-charge in a timely manner.

In the era of digital transformation, the continual iterative and expansion of intelligent upgrading shall determine the advent rise of the manufacturing industry. Smart manufacturing will trigger a new round of manufacturing revolution, creating many challenges for the machinery manufacturing industry. At the same time, we shall witness the huge potential of this transformation.

By combining the advantages of intelligent machines, smart manufacturing and intelligent services, it lays out a solid foundation for YIZUMI in the field of smart manufacturing. Leveraging on several technologies, such as industrial IoT, network security, big data and cloud computing platforms, it produces a new innovation in the form of a brand new intelligent production model.

By fully integrating the advanced technologies with the relevant business processes, YIZUMI drives the intelligentization of equipment and products, helping clients to upgrade their businesses, enhance their corporate productivity and economic efficiency, unlocking more value with competitive advantages for the clients.

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

YIZUMI CONNECT 2023 is on Show in April!

Welcome to YIZUMI CONNECT 2023! Nice to meet you again from April 16th to 20th! More than 2,000 visitors from all over the world are expected to participate in the event in Guangdong, China!

In the event, YIZUMI displays a new brand image, a strategic goal and cutting-edge technologies to create new advantages and open a new era of development. More than 40 solutions covering polymer and metal material molding are displayed on the spot. You can also experience the advanced molding technology, YIZUMI i-Factory and Ultra large Die-Casting Machine Factory.

In the past three years, YIZUMI continued to innovate and advance despite various communication and interaction limitations. Now, YIZUMI is proud to unveil its updated brand image, expanded strategic goals, and state-of-the-art molding machinery. There is no doubt that it will mark a new step of the development and success of YIZUMI.

The year 2023, is a new beginning for YIZUMI to approach its next 20 years with the tagline of "Think Tech Forward". We sincerely invite you to join us in Guangdong, China to witness our latest advanced technologies. Together, let's shape the future!

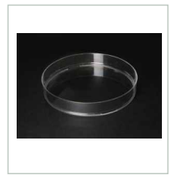
5 Reasons Why You CANNOT Miss YIZUMI CONNECT 2023

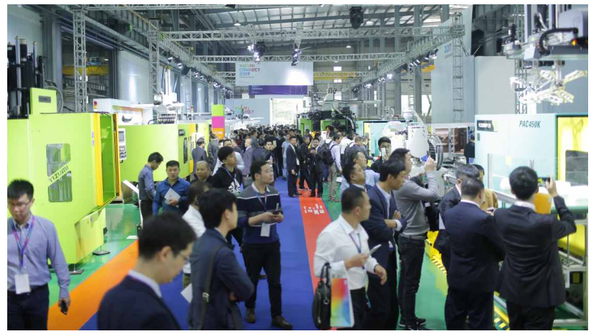
01

40+ advanced turnkey solutions are displayed

At YIZUMI's exhibition hall with an area of more than 10,000㎡, there are more than 40 advanced turnkey solutions of new materials and processes, new energy vehicles, circular economy, intelligent injection molding, and digital applications displayed, which could meet the various application demands of industries including new energy vehicles, healthcare, packaging, 3C electronics, circular economy, special materials, magnesium alloy and rubber.




02

A conference may influence the trend of the industry

At the conference, YIZUMI introduces introduce its brand-new development strategy, brand image, and frontier technology roadmaps. In the future, YIZUMI will drive the development of the industry with leading technologies, and grow with its partners to chase for greater value.

03

Discover the way to connect advanced molding technology and digitalization

Let us feel the limitless potential of molding technologies in YIZUMI's innovation experience hall of polymer and metal material molding. In the tour of its newly constructed i-Factory, we could have a comprehensive understanding of intelligent production lines, equipment, and modern industrial software and see how the digital technology pervades the entire production processes of machines like orders, product design, configuration, production, logistics, final assembly, and delivery.

YIZUMI i-Factory was built based on the concept of "carbon neutral". Together, we can witness the new trend in the development of machinery manufacturing technology.

04

Exchange opinions on hot topics in the new era

New energy vehicles and integrated die casting have recently emerged as industry game-changers. At YIZUMI Ultra Large Die Casting Machine Factory, we can explore how these innovative technologies position YIZUMI as a leader in the integrated die casting industry.

We listen, share, and have in-depth discussions with opinion leaders and experts on the future of molding industry, integrated die casting and low-carbon manufacturing.

05

Cooperate with preferred partners to build a prosperous industry system

YIZUMI has always been dedicated to providing the most cost-effective solutions with cutting-edge technologies in our field. By fully understanding the pain points and needs of transformation in the traditional manufacturing, we continually connect with global resources, innovate, and make breakthroughs. We explore new ways to enhance customer satisfaction by delivering more intelligent and efficient products, technologies, solutions, teams and services that improve quality and efficiency.

In the event, more than 2,000 customers and representatives are gathered to co-build a prosperous ecosphere in an open and cooperative mind.

Experienced a short pause by the epidemic, the postponed YIZUMI CONNECT is restarting again! Despite the huge challenges posed by the sudden pandemic to various industries in the world, it has not stopped YIZUMI from sticking to the pace of technological innovation.

Despite the unpredictable global market and numerous changes, YIZUMI keeps moving forward with steadfast determination. From April 16th to 20th, YIZUMI is excited to meet with global customers at YIZUMI CONNECT 2023 to overcome challenges and gain opportunities together through technical solutions and services.

Part of Machines & Solutions in YIZUMI Connect 2023

01
NEV Industry

UN230CE-BTP two-color molding solution for automotive interior plating parts

Supported b y the aut omated w eighing f eedback sys tem, the UN230CE-B TP all-elec tric multi-component machine with molds for automotive interior plating parts can achieve accurate, stable, and efficient pr oduction and allow real-time recording of product-related production information (including product unit weight information) for easy traceability and verification of abnormal time points in production. The latest all-electric multi-component machine offers many benefits such as stable, precise, efficient, and flexible operation, lower energy consumption, higher degree of aut omation and int elligence, be tter helping cus tomers t o implement smart manufacturing.

UN230CE-BTP

Automotive interior plating part

Cavity： 2+2
Material： PC+ABS
Colour： White+Transparent
Weight： 16.4g/pc
Cycle time： 36s

New energy auto parts molding solution

The automotive steering column cover is a plastic part that shields the steering column structure and the combination switch. It is not only an important component of the cockpit trim but also a part that encases the metal column. While it needs to accommodate the aesthetic appearance and lightweight requirements, it must meet the requirement of product strength control.

The FF series large-tonnage injection molding machines off er the performance advantages of stability, precision, high efficiency, energy saving, intelligence, and automation. Not only can it better complete the precision molding of large plastic automotive products but also meet the customer's demand for efficient production and product stability.

FF550

Automotive steering column cover

Cavity： 1*1
Material： PP
Colour： Black
Weight： 281g/pc
Cycle time： 39s

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

02
Medical Industry

Micro preservation tube molding solution

FF240M is equipped with high-precision 64-cavity micro preservation tube mold. The FF240M special medical machine can carry out injection production in an ISO 7 cleanroom environment, offering a high level of cleanliness and easy operation.

FF240M

Micro preservation tube

Cavity： 64
Material： PP
Size (LxWxH)： Φ10*45mm
Weight： 1.026g/pc
Cycle time： 8+/-1s

Disposable sterile syringe cap molding solution

Equipped with 128-cavity syringe cap mold, FF200M special medical machine offers high productquality, shorter production cycle, and high production capacity.

FF200M

Disposable sterile syringe cap

Cavity： 128
Material： PP
Size (LxWxH): Φ8*42mm
Weight： 0.8g/pc
Cycle time： 8+/-1s

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Part of Machines & Solutions in YIZUMI Connect 2023

03
Packaging Industry

UN230CE-BTP two-color liquid silicone collapsible lunch box molding solution

The UN230CE-BTP all-electric injection molding + liquid silic one multi-component injection molding machine is equipped with special mold for collapsible two-color silicone lunch box. It uses an electrical liquid silicone feeder and WACKER food-grade silicone to break through the industrial barrier and achieve the integrated molding of thermoplastic injection molding + thermosetting liquid silicone. It allows the molding of two-color plastic liquid silicone with complex structures, reduces assembly costs, improves production efficiency and product physical properties, and solves various pain points of the industry in the injection molding. The machine is an effective solution in the production of automotive connectors, seals, wiring structural parts, precision electronic seals in 3C industry, high-end household supplies, and medical supplies.

UN230CE-BTP

Collapsible lunch box

Cavity：1+1
Material：(PA66+30%GF)+LSR
Colour：Green+Grey
Weight：81g/pc
Cycle time：85s

PET thin-wall packaging box molding solution

The ne wly de veloped PET thin-w all packaging box mold w orks with the P AC250 thin-wall high-speed injection molding machine to provide a turnkey solution for the special process of PET thin-wall injection molding. Demonstrate a stable molding example that uses PET material in the thin-wall injection molding process. Compared with the traditional thin-wall injection molding products made of PS or other materials, packaging boxes made of PET material give better tactile quality. The material is more environmentally friendly, easy to recycle, and less expensive, providing customers with a new packaging design idea.

PAC250

PET packaging box

Cavity：2
Material：PET
Size (LxWxH)：145x75x50mm
Wall thickness：0.8mm
Weight：26g/pc
Cycle time：8s

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

04
Electronics

Molding solution for plastic skeletons of the motor

The plastic skeleton of a motor is a precision and thin-wall product with strict quality requirements. It does not allow defective conditions such as short -shot, stress deformation, and flashes. In addition, it has high standards for dimensional control to fulfill customer requirements for efficiency and stability.

The FF series electric injection molding machines have the performance advantages of stability, precision, high efficiency, energy saving, intelligence, and automation, which can better meet the molding production of precision thin-wall products.

FF160

Plastic skeletons for the motor

Cavity：1*4
Material：Modified Nylon
Colour：Original Colour
Weight：40g
Cycle time：15s

Multimedia display frame dual-color molding solution

The UN1600D1M-tP two-platen injection molding machine adopts an independent modular design to allow quick configuration of multi-component machine. Supported by the high-rigid pla ten for precision mold opening and patented dual-proportional closed-loop control injection technology, the two-platen injection molding machine permits a flexible combination with a full ser vo-driven V-type electric auxiliary injection unit that offers high repeatability. Fast, accurate, and stable production of multi-component products.

UN1600D1M-tP

Multimedia display frame

Cavity：1
Material：PC Black / Transparent PC
Size (LxWxH)：622x426x14mm
Weight：90g/pc
Cycle time：50s

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

Part of Machines & Solutions in YIZUMI Connect 2023

05
Circular Economy

Online mixing long glass fiber molding solution for test product

It adopts a quantitative metering approach to precisely control the formula of ingredient dosing and directly inject the material for molding after online mixing. The machine makes the industrial fan with AS+GF material, eliminating intermediate granulation step to avoid two-stage shearing of glass fiber and maximizing the mechanical properties of the product. It greatly improves the mechanical properties of the product while saving energy.

UN90SKII-CIM

Test product

Cavity：4
Material： AS+30%GF
Size (L×W×H)：130*85*3mm
Weight：65g/pc
Cycle time：25s

SpaceA industrial 3D printing solution for custom furniture

SpaceA Industrial Pellet 3D Printing combines natural wood fiber materials to give its products an effect of wood color and texture. In addition, it is fully e xpandable by using different types of materials to print household products with different colors and textures, fulfilling customers' needs for home customization and bringing customers' imagination to life.

SpaceA 2000

The seat

Material： Wood Fiber
Size (LxWxH)：420x400x550mm
Weight：4kg/pc
Cycle time：8h

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

06
Special Materials

PFA plastic molding solutions (PFA plastic molding)

Special PFA equipment to make bottle caps with our special cost-effective coating screw.

UN120A5S-PFA

Bottle cap

Cavity： 2
Material： PFA
Size (LxWxH)： 35x30x5mm
Weight：24g/pc
Cycle time： 300s

Molding of electric carbon brush (bakelite) and special loading solution of bakelite powder

Unlike other bakelite units that use oil temperature devices to control barrel temperature (the oil temperature device only controls the temperatures at the inlet and outlet), this solution adopts the electric heating with oil cooling approach to control the barrel temperature, reducing the space occupied by the oil temperature device while accurately controlling the actual temperature of the barrel. Reduce customers' operating cost by adopting a removable oil sleeve design. Greatly reduce dust pollution in the w orkshop and the w orkers' workload by using a ne gative pressure auto feeding approach.

UN160A5S-U

Carbon brush holder

Cavity：2
Material： PF
Colour：Black
Weight：6.45g/pc
Cycle time：30s

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

Part of Machines & Solutions in YIZUMI Connect 2023

07
Rubber Molding Machine

LSR application

LSR injection system, four-nozzle valve gate CRB, Silicone Door Stopper with Suction Cup injection molding and utilizing robotic automation for demoulding.

- Four-nozzle valve gate CRB, injection volume accuracy 0.03g (when with 30cc injection volume).
- Utilizing robotic automation for demouldin and flash removing, sliding by conveyor.
- Eqquied with modular vertical clamping unit.
- FIFO injection system, good self-cleaning performance with no dead corners.
- The screw can be easily disassembled, maintain and clean.
- YIZUMI Third-generation energy-efficient servo technology saves 30%~60% energy through perfect coordination and integration of professional software and hardware.
- YIZUMI 4.I control system provides comprehensive intelligent manufacturing solutions.

YL2-V200F

Silicone door stopper with suction cup

Machine Model：YL2-V200F

Cavity：4

Material：LSR

Part Colour：Green

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.

Automation solution for AC shock absorbers

Seperated type middle mold backward-sliding and rear side upward ejecting device, The utilizing automated truss for achieving automatic extraction and separation of the parts and flash.

- Low cost, unmanned; Lowered costs by more than 50% comparing to the automation molding solution of the European machines and have reduced one production process.
- Separated middle mold backward, upward ejector for easy demoulding.
- Auto removing flash with brush.
- Eqquied with four-nozzle CRB.
- YIZUMI Third-generation energy-efficient servo technology saves 30%~60% energy through perfect coordination and integration of professional software and hardware.
- YIZUMI 4.I control system provides comprehensive intelligent manufacturing solutions.

V300L

Ac shock absorbers

Machine Model：YL2-V300L

Cavity：96

Material：Natural rubber

Part Colour：Black

* The Data above were acquired by testing in YIZUMI's factory, only for your reference. The specific data please refer to the actual equipment.