# Activantage Plastics News from Haitian International

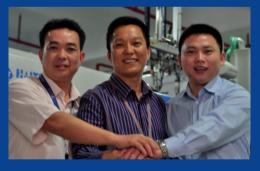








New: Mucell<sup>®</sup>, light"



All-electric is the future trend



BYD talks about "Future Village"





### Dear readers,

Haitian International has announced the results of another extraordinary year 2010 – more than 7 Billion RMB (nearly 1,1 Billion US\$) and more than 30,000 Injection molding machines in sales.

Export played an important role in this positive development and sales could be more than doubled in 2010 compared with 2009. Feel invited to read about the management statements to the anual result and about green future strategies.

I wish to thank everybody, who shared those advantages with us, on top of course our customers, who contributed to our success with overwhelming trust, our investors, Partners and suppliers and last but by no means least our employees, distributors and agents as well as the management.

On the recent K show in Dusseldorf we have introduced our next generation of Mars machines, which is the Pallas. And, as a sensation, we have shown our new and unprecedented machine concept, the all-electric Mercury machine, opening total new opportunities for resources saving injection molding.

On the forthcoming Chinaplas mid of May in Guangzhou will again display our new innovations in harmony with the environment. You can find more about that in this edition.

These outstanding R&D results have been achieved thanks a strong and dedicated team implementing clear strategies with focus on efficiency and innovation.

These days all of us look with bated breath to Japan and the natural disaster there and all our thoughts are with the people suffering.

However we more and more realize that sustainability will be one of the key values when it comes to innovation in technology of the future. Saying that; I wish to emphasize, that nobody should only look to the others to contribute to that, contrary, everybody should evaluate for himself, being it in the private environment or in the business responsibility, how he personally and possibly his team could contribute to that target of resource saving. We at Haitian International, starting from the top management down to every employee do that day by day and this is why we have taken up the matter of energy saving already many years ago and continue to drive our innovation along this value.

We are sure this will bring us further success – success in harmony with the environment.

Sincerely yours, Prof. Helmar Franz

















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# Acrantage

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### We are ready for a green future

Management talkes about sustainability in harmony with innovation and success



MR. ZHANG JIANMING, another sales record in 2010. More than 30,000 machines sold and nearly doubled the sales. Seems to be that Haitian International is climbing to the top?

Yes, we are proud to be so close to fulfill our vision. We attribute this success to the fact that we have addressed to energy saving in the whole range of our machines very early.

Only in 2010, more than 20,000 "Mars" machines are sold. They turn energy saving into a standard feature?

Absolutely correct. This is exactly the reason for the success of our Mars machines. On

top of this we made the resource saving affordable for all users of all-electric machines as well, adding technology like response time and acceleration to our "Zhafir Venus" machine series at an affordable price, thus tripling the sales of those all-electric machines in 2010. In 2011 we will add this feature to our Pluto machine series for very simple plastics parts and – we still have lots of ideas and projects on our list to be even more innovative in harmony with the environment in future.

Sounds interesting. There is an actual study, which says that China is No. 1 in investing in renewable energies. Is this an issue for Haitian International?

As we are a big user of energy as well, we are of course happy to use energy from such sources and by developing innovative technologies for making plastic parts we

definitely support the development at those industries, producing equipment to process plastics from renewable sources.

#### Any concrete plans for your business?

Yes. We will invest in the coming years into application development, so making it affordable and feasible for our customers to use recycled and filled plastics, plastics with new properties, so to help to reduce the carbon footprint for the finished goods. Currently we develop a special machine for using a mixture from stone and plastics to make such things like bath ware, and the results are very promising.

Read the latest news about the Anual Report 2010 in our press corner under:

www.haitianinter.com



PROF. FRANZ, in the last Anual Press Conference you talked about "New Materials". Can you explain us some more details about this issue?

Basically we talk about plastics made from renewable sources, like grass, starch, lactone and others. Not many know that plastics are not in need to have oil as a source. Oil is just the cheapest available material at this moment. When polymer first has been developed in the 16h century, it used gout cheese as a source. To process those biodegradable and bio based plastics, it requires a lot of new process applications. And this is the field of our new Zhafir Mercury Series.

### Means, the Mercury is already ready for the green future?

Exactly, this has been one of the many targets, when developing the concept for the Mercury. We are very proud, this has come true. But Mercury has not only this to be on the top of a high tech innovation in harmony with environment. The so called "new materials" – basically they are not new, but have been developed back in the 70th and 80th last century. Such as PPS or PEEK have extremely high properties, like heat resistance chemical resistance and human compatibility but they are also expensive and need precise processing.

### But why these materials have not been used so far?

Because it is too difficult to process it on traditional machines. Which combine injection and plasticizing in one screw and barrel module – two processes, which have not much in common at all. To solve this problem would open huge new opportunities for substitution of steel, metals, glass and other materials to make lots of stan-

dard parts – without coating, over molding and combination of different materials, which makes it necessary to involve complex automation and process technology. We do not see this second way feasible for standard parts, especially for China but also elsewhere, where costs is an issue, and we

are very pleased to learn, that Chinese companies already start to actively produce and

promote such materials like PPS and PEEK.

MR. ZHANG JIANFENG, the annual sales numbers show that the domestic business in China was rising by 80%. Congratulation! Seems to have the domestic market under control?

I don't think it is the target to have a market under control. We are talking to customers about their concerns in terms of expected cost pressures in the future and then try to develop machine technology to address exactly this. When we talked to customers 5-6 years ago, they mentioned the cost of electricity and the raw material costs. This is why we developed the standard Mars Series. Because saving electricity is not a privilege only for high tech machines, and we made the all-electric Venus affordable. This saved enormous costs for customers in the medium market and allowed the high-tech sector to save energy as well and on top of it, using Venus, save raw material by making parts thinner and reduce rejection rate. This is why we enjoy such a success in China and increasingly in overseas markets, where the image of Haitian and Zhafir still has to be developed and trust has to be built.

### MR. ZHANG JIANMING, ready for another successful 2011 as well?

We had a tremendous year 2010 and all our downstream industries experienced huge growth. Our strategies have proven to be right and we enjoyed the record year in our history. With nearly 1.1 Billion US\$ and more than 30,000 IMMs in sales, record net profits and a market capitalization of more than 2,5 Billion US\$ for 100% of our shares, we are not only the largest, but also the most valuable company in this industry.

Thank you very much for the open and interesting talk.



Mr. Zhang Jianfeng, Vice President and

### Highlighted in short: Anual Report 2010

Haitian International delivered 30,000 machines in 2010 – means the Group is significantly expanding market leadership around the world.



Innovation and new products has also been the driver for the crisis years 2008/2009 which helps us get excellent performance for the year ended 31 December 2010, the Group recorded sales of RMB 7,057.3 million, representing a surge of 82.8% compared to 2009. The success in China shows the strong performance of Haitian International: strong brand equity, proven business model and continuous improvement in production portfolio and capacity.



### MCF Technology by Haitian International

The MCF technology is based and licenced by Trexel Co., Ltd and based on the invention of the MIT.

Trexel and Haitian International signed a cooperation agreement for common development of the MCF Technology. The Haitian Group is authorized to offer the "Mucell light" in China, Vietnam, India, Brasil, Turkey and South Africa.

### **Micro Celluar Foaming**

The Micro Celluar Foaming is based on the controlled use of gas during the injection molding cycle to create many micron-sized closed voids inside



the plastic part. While best maintaining the original mechanical properties, it improves the product quality while reduces the manufacturing cost.

### Your advantages at a glance:

- High dimensional stability (temperature)
- Process repeatability
- Reduced stress in the parts
- 15-40% cycle time reduction
- 6-12% part weight reduction
- 30-80% reduced clamping force

# Energy saving

Using the "GreenVantage" label, Haitian International is reinforcing the focus on the development of energy-saving machine solutions. Therefore four injection machines will be showcased on the exhibition booth with different levels of technology and application, which unifies the goal of saving energy in an extremely well thought out way.





### Pallas with MCF-Technology

The new Haitian Pallas Series is based on the successful "Mars Series". Equipped with a faster injection unit and an optimized toggle system, the range will be available from 600 to 10,000 kN. The "Green Vantage" of this range is, that the water consumption is zero and the energy saving is up to 70% compared with a conventionally hydraulic machine. Haitian is presenting a Pallas 2500 equipped with the micro cell foaming technology "MCF".

• Machine: PA2500/mcf

 Plastics Part: box with MCF technology

Material: PP+20%TALC

Cycle time:60S

• Energy consumption: 9.5kW/h



### Pluto Series now with the "i" technology

Due to the market requirements, Tianjian modified its machine range with the energy saving drive concept based on the successful "Mars Series". Equipped with a servomotor, the compactly packed "PL/j" combines cost advantage and energy saving aspects. Compaired to hydraulic machines with a fixed pump, the Pluto achieves about 50% energy reduction. A new generation of injection oil channel provides a compact structure, easy assembling, and more stability.

Machine: PL1200/370JPlastics Part: house hold

Material: ABSCycle time: 30S

Energy consumption: 6 kW/h

# solutions **Elnnovations**

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### **Mercury opens horizons**

The Zhafir Mercury Series is the result of German-Chinese team work: developed by German engineers with the support of the experienced manufacturing experts from Zhafir Ningbo. The Mercury represents a new generation of all-electric injection machines. Tiebars becomes side platen and provide for a 70% larger mold area. A simplified toggle system gains more precision and the separation of plastification and injection provides for an extraordinarily high melt quality and high injection speed with extreme acceleration. At Chinaplas Zhafir will present the Mercury with a connector application made of a glass-fibre reinforced material LCP.

- Machine: ME 550/30-30
- Plastics Part: connector with
   Securities
- 8 cavities
- Shot weight: 0.46g
- Material: LCP
- Cycle time: 10.5S
- Energy consumption: 3kw/h



### Venus goes successful

More than 600 machins have been sold so far thanks to the continually increasing market penetration and the consistentl positive feedback. In 2010, the sales was rising up by 172%. Due to the reliable and well tested technology and the outstanding performance results, the all-electric Venus machine is the best-seller of the Zhafir Group. At Chinaplas Zhafir is presenting the Venus packaging solution with a 48 cavity packaging mold.

- Machine: VE 3000/p
- Plastics Part: closures,
  - 48 cavities
- Shot weight: 1g
- Material: HDPE
- Cycle time: 3.8s
- Energy consumption: 10kw/h







#### See at WETEC booth:

Zhafir is presenting a VE2300/p with an IML application made of PP with a shot weight of 12.6g and cycle time of 5.9s.



### No reason to change the supplier

In talk with Mr. NG Man Chi, a Manager of Sundairy Industrial Co.Ltd.

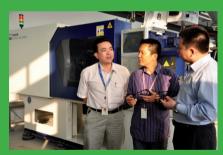
Sundairy Industrial Co.Ltd is one of famous electrical household appliance manufacturers in OEM field in China. More than 4,000 employees is working in the new factory with more than 100,000 squaer meters in Shenzhen, Ben Shan Industrial District. The molder is focused on electrical household appliance like for kitchen, personal care, home & comfort. Sundairy has 140 machines from Haitian and Zhafir between 60 and 530 tons clamping force.



Mr. Zheng (left), Mr. NG Man Chi from Sundairy (middle) and HaiHaitian (right)

"Fast aftersales service is like pure gold. No reason to change."

Mr. NG Man Chi. Manager of Injection Molding and Metal



If we are talking about electrical household appliances, we have to talk about one of the leading OEMs in this field: Sundairy Industrial Co. Ltd is top supplier for a lot of international big brands and deliveres parts mainly for the export markets North America, Europe, Japan and rest of Asia. The production area is over 100,000 square meters and nearly 4,000 employees, Sundairy produces parts for kitchen appliances, personal care, home & comfort etc.

Sundairy Industrial Co.Ltd just moved into their new workshops with 8 new and impressive buildings. In the near future, there will be more than 6,000 employees.

### Leadership makes requirements much higher

Mr. NG Man Chi, the Manager of Injection Molding and Metal of Sundairy Industrial welcomes us with the words: "Sundairy is very famous in this industry and this makes our own requirements very high. Our big task for the next year is to improve the precision of our products and optimize the working efficiency. Time is money and precision is our daily business."

140 of our machines – mainly Haitian Mars and Zhafir Venus – between 60 and 530 tons clamping unit are running 24 hours, 7 days a week and 50 weeks a year. Mainly of the plastic parts are made of PP, ABS and PC.

### 50-60% energy saving rate

"In our factory you can also see a lot of hydraulic Japanese machines. But when we are talking about energy efficiency, the Mars is 30% better and the Venus offers a significant result of 50-60%. Both of the machines have a very good performance. The Venus is much more precisebecause of the all-electric concept. This helps us to improve the quality of our complex technical parts." Mr. NG Man Chi continues.

Looking closer to the several applications, we can see a Venus 1900/580h with a high-speed injection unit. Producing in 8



Below: Discussing about a precision part for a coffee machine.

Produced on a Venus 1900 with tons in a 4 cavity mold, made of PC



Produced on a Mars 1600 with tons in a clean manufacturing environmental (top): a part for a coffee machine, 26 sec. cycletime, made of PP.

seconds a part for a coffee machine from an international brand. There is no technical difficulty, more a standard part which needs to be precise in the flow and the part weight must be continuously the same.

Mr. Hu the General Manager is convinced, all-electric machines are the future for high tech applications: "We were surprised to see an all-electric machine for such a good price-/performance ratio under a Chinese brand. "

In another part of the factory we can see a Haitian Mars machine, which is producing also a part for a coffee machine. 6 seconds cycle time and made of PP. The Mars with 1600 tons is equipped with a 4 in 1 cavity mold and a robot. Mr. Chi tells us: "This product needs to be produced in a clean manufacturing environment. The Mars with its closed loop system fulfills 100% of our requirements in this case. "

#### Busy time in this summer ...

Working 24 hours and 7 days a week means 100% reliability of the machines and a fast service response. Our team in the South China Technique Center in Dongguan is used to deal with such high requirements. Mr. NG Man Chi emphasizes: "If there is a problem, the after sales team is available immediately. No matter what time and day. This is like pure gold.

We have a lot of respect for these people. So there is no reason to change our supplier."

Right before leaving the nice customer we heard the information, that 200 another units are needed in the next months for the new workshop. Haitian and Zhafir will be the top suppliers on the list of Sundairy Industrial. Seems to be a busy summer for our colleagues in Ningbo ...

### **Customer Sundairy Industrial Co. Ltd.**



140 Haitian and Zhafir machines between 60 to 530 tons are running 24 hours a day, 7 days a week and 50 weeks a year

4,000 employees in the new factories and expected to be 6,000 in the future. More than 100,000 square meter production area.



Sundairy is belongs Simatelex Group in Hongkong

### **Testing the MCF-Technology**

### In talk with Shenzhen Silver Basis Technology Co., Ltd.



Shenzhen Silver Basis Technology Co., Ltd. is well known for their high quality results in their both business fields: mold manufacturing and injection molding. This makes them to a top supplier for the automotive industry. Global players like BMW, Mercedes, Volkswagen, Nissan, Toyota, etc. trust in the reliability of the professional team in Shenzhen. The company achieves a respectfully turnover of about RMB 700 Mio. per year and estimate for 2011 a turnover only in the injection molding unit of about RMB 500 Mio. In the manufacturing plant 300 machines are running all days. 70 machines are from Haitian and Zhafir between 650 and 3,300 tons.

Shenzhen Silver Basis Technology Co., Ltd. is an innovative high tech manufacturer with about RMB 700 Mio. turnover per year. They focuse on two main businesses. Firstly manufacturing molds very successful and being T1 supplier for the big players in the automotive sector like Toyota, Nissan, Volkswagen, Renault, GM, Fiat, etc. Secondly well known for their high quality molds Silver Basis exports 80% to overseas markets.

The other big business section is to produce plastic parts mainly for automotive, IT, medical and packaging industry. Companies like BMW, Mercedes and others are on their customer list. Mr. Ryan Huang, Vice President of Silver Basis tells us very proud: "This year we estimate a turnover alone with our injection plant of about RMB 500 Mio."

### Running since 10 years without any problems

Looking into the injection molding, we can see 300 injection molding machines in total. 70 of them are the Haitian Mars Series, Saturn and Jupiter machines with clamping forces between 650 and 3,300. Mr. Gao Guoli, Technical Director of Silver Basis tells us "The Haitian machines are very stable. Some of them are running since more than 10 years. We put three Jupiter Series in our testing center for lot of customers to test their mold. We had never problems with adapting the different molds on our Haitian machines." Additional a Venus with 600 tons is producing a connector for the global brand Toyota.

The material PBT is mixed up with 30% GF



From left: Mr. Guo, Mr. Ryan Huang (Vice President) and Mr. Lu are checking a front bumper, produced on a Haitian Jupiter Series with 3300 tons.

so the requirement to the screw and the melt quality is very high. Seems to be that the Venus machine did a good job so far because the management ordered another 40 units this year. Mr. Gao Guoli continuous: "This year we will open an another workshop for premium manufacturing of high-tech plastic parts. Therefore we tested our first Venus machine and were very surprised about the high precision and the high machine quality."

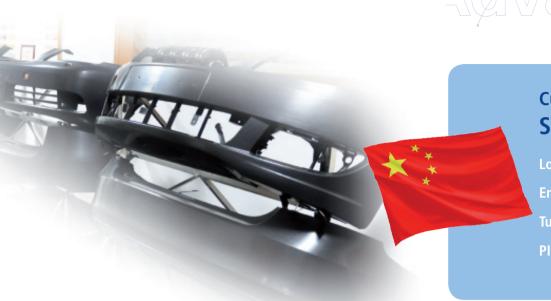
#### MCF Techology under the scope

Shenzhen Silver Basis Technology is one of the "National High-tech enterprises" which

### **Congratulation!**



Shenzhen Silver Basis Technology is awarded as a "China National High-Tech Enterprise"



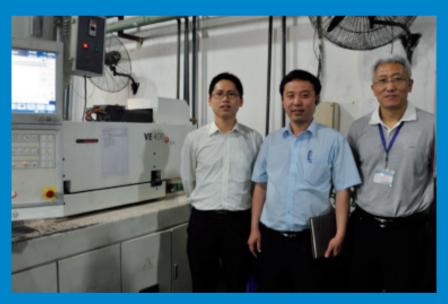
### **Silver Basis Technology**

Location: Shenzher

Employees: 2,000

Turnover/year: RMB 700 Mio.

PIMM in total: 300 machines



In front of a Venus machine from left: Mr. Lu (Haitian Sales), Mr. Hu (Injection plant Manager), Dr. Guo (Technical Director )



Mold test with the MCF-Technology on a Jupiter 3,300 tons.

means their innovation power enjoy a great from the Chinese government.

At present they are working on mold technology supported by MCF – the Microcellular Forming Technology. Mr. Ryan Huang, Vice President of Silver Basis is confident that: "The MCF technology will play a big role in our business in future."

Mr. Guo, the injection plant manager confirmes: "With the MCF technology we are looking forward to save 20-30% material while making the plastics parts more stable. For this there is important to have all necessary components in a perfect harmony: The right injection molding machine, the MCF-equipment and the competence to design

the right mold. We have a mold test center with three big Haitian Jupiter machines. Two of them are testing now the MCF technology."

Before leaving Silver Basis Technology, the Technical Director told us, that Haitian International was improving very fast in the last years and the products achieved high level but with a much better price. What a nice compliment.

Many thanks to our customer for this open and interesting walk through Shenzhen Silver Basis Technology!



A connector for Toyota made of PBT with 30% GF. This part runs on a VE 600.

### Taking green responsability

### BYD Company Limited thinks about the future and sustainable products

In 2010 the BYD Company Limited increased their turnover by 18.3% to 46.7 billion RMB. Founded in 1995, a team of 22 people expanded to an international empire with more than 200,000 employees. They are market leaders with Nickel-batteries and handset Li-ion batteries, cell-phone chargers and keypads. The largest business unit is automotive. BYD built and sold about 500,000 cars last year. They reached 21.6 billion RMB, which is 46.2% of the Group turnover. The cell-phone has a share of 44% and the battery business 9.8%.



Division 3: 200 injection molding machines from Haitian International are installed

No Question. BYD is one of the top brands in China and beyond the borders. Established in 1995, a team of 20 people started with manufacturing Li-ion batteries. Since then the company has grown into a multinational corporation with subsidiaries in USA, Europe and Asia. Today, BYD counts more than 200,000 employees with a turnover of 46.7 billion RMB and 11 industrial parks across China. The impressive company has the largest market share for Nickel-batteries, handset Li-ion batteries, cell-phone chargers and keypads worldwide. BYD cars became the most innovative independent national car brand and leads the field of electric vehicles with unique technologies.

The company recently launched the e6, a pure electric vehicle and established itself as the first manufacturer in China to commercialize taxi business with its e6. Last year May, BYD and Daimler AG established the "Shenzhen BYD Daimler New Technology Co. Ltd," a 50:50 research and technology center to develop electric cars in China.

The editorial team of the Advantage Magazine was allowed to visit the "Division 3". This manufacturing area is focused on products for the IT industry. Mr. Li Haiping, the director of the injection molding production area tells us: "We are OEM supplier for big brands like Apple or Nokia. For

Motorola for example we produce the cell phone buttons. But the main products are parts for notebooks marketed under our own name."

### Consistency shot by shot

When we have a look at the production hall of Division 3 we see about 300 injection molding machines. 200 of them are from Haitian and Zhafir. Mars, Saturn, Jupiter and also Venus Series between 80 and 1,200 tons clamping force. Equipped with hot runners and robots they process ABS or PC. The Mars machines are producing with core pullers and the Venus machines are running with insert molding technology.



"BYD is looking for sustainable quality and excellence."

Mr. Li Haiping, Director of the injection molding area

# Agvantage



#### **BYD Company Limited**





Mr. Li Haiping shows us a Venus 410 tons: "Here you can see your all-electric machine with a notebook cover. The technical requirement to this part is very high and strict to the machine. The surface quality must be 100% perfect and we need a high weight consistency shot by shot. Means this application needs high injection speed, high pressure and excellent melt quality. We reach 300 mm/s with the Venus, which is very high for a machine in this size. We tested the Venus together with Japanese brands. At the end we were convinced of this very smart Venus. No problems during the testing phase and a much lower price than the competitor machines. So we bought a big number for our technical parts. For our household and standard elec-

trical parts we are very satisfied with the energy saving Mars Series. The performance fits exactly to our requirements an the energy efficiency is up to 30% compared to the traditional hydraulic machines."

### **Future Village**

Energy saving and energy issues in general are very important at BYD. They developed green products such as Electric Vehicles, Energy Storage Stations and Solar Power Stations. It will continue to lead the new energy revolution in the world.

We saw a model of a "Future Village". Mr. Li Haiping explains us: "We are thinking about future live a lot. Being in harmony with the nature in using new energies. For example BYD has drastically reduced the costs of applying solar energy in adopting innovative technologies and processes. We are working on environmental friendly batteries and our electrical cars are one of the top brands worldwide.

### **Our visions fit together**

BYD takes responsibility for a green future. And for this challenge we need the right partners. Haitian International is number one in manufacturing IMMs. They also take care of energy saving and environmental friendly solutions. We have built deep trust cooperation to Haitian International in the last years. Our visions fit together."



Thinking about tomorrow: a model of the BYD "Future Village"



Zhafir Plastics Machinery in Germany manufactures premium all-electric injection molding machines for the worldwide market.



The Bavarian flag.

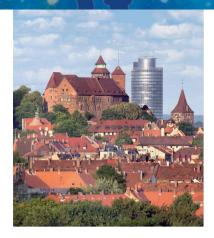
### Where is Zhafir located?

### **Short trip to the area of Zhafir Plastics Machinery**

The exact location of Zhafir Plastics Machinery is in Ebermannsdorf, Germany. A small community in the Bavarian region "Upper Palatinate". The location belongs to the "Metropolitan Area of Nuremberg", which is one of the strongest economic areas in Europe with a gross domestic product of about 443 billion Euro for 12.5 million people. We would like to introduce you to some famous cities and the advantages of the Bavarian home of Zhafir.

Zhafir Plastics
Machinery is in
the center of
Europe and very
good positioned
between the two
airports Munich
and Nuremberg.
The regional sales
office "Haitian
Europe" is also located in this area.





Nuremberg is a popular place for tourists. Worldwide well known for its middle age castle, the sausages, gingerbread, its Christmas market and one of the largest toy fairs.

#### **NUREMBERG**

Nuremberg with round about 500,000 people is the second largest city in Bavaria. An extensive network of economical relations and an intellectual and cultural exchange characterise the life in this cosmopolitan city. Since 1997 there is a close relation to Nuremberg's twin city Shenzhen.

Due to the central position and a good traffic accessibility Nuremberg is deemed to be a dynamic and important location for economics and education in Europe with a very high growth rate.

Nuremberg can look back on almost 1,000 years of history. Did you know that products like the globe or the socket has been invented in this area? 180 years ago the first passenger train called "Eagle" ran between Nuremberg and a neighbour city called Fuerth. Actually today the Maglav in Shanghai is running with a traction technology developed in the region Nuremberg.



Nice view from the river "Donau" to the old center of Regensburg

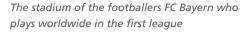
#### **REGENSBURG**

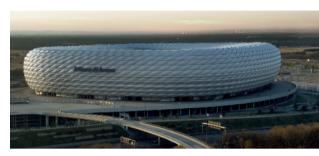
Regensburg has 147,000 residents and is the capital of the Bavarian administrative region Upper Palatinate. Zhafir in Ebermannsdorf is also located in this region.

Regensburg has 2,000 years of history and is one of the oldest cities in Germany. The largest medieval centre of the city is a UNESCO World Heritage Site.

But also as a science and education location Regensburg plays an important role. Companies of economic relevance are located in this area: BMW (automotive), Infineon (Electronic industry) or Krones (market leader in brewery technology). Regensburg has a good logistic link and has the largest maritime station in Bavaria. Three universities with about 21,000 students ensure high quality qualified workers in the future.

Since 2009 Regensburg is related to the twin city Quingdao.





#### **MUNICH**

Munich is the capital city of Bavaria and the third largest German city after the cities of Berlin and Hamburg. There are about 1.35 million people living within the city limits. Munich has the second largest university and has he second largest industrial area. They are European champions in the IT industry and worldwide the second largest media city after New York.

Furthermore important economic sectors in Munich are tourism, automotive, engineering, electronics, aerospace and software industry. Modern Munich is a financial and publishing hub. For economic and social innovation, the city was ranked 15th globally out of 289 cities in 2010

Thanks to its many museums and theatres, Munich is a major European cultural centre.

The Munich culture involves of course also to brew and to drink beer – for example in the Worlds Famous restaurant "Hofbräuhaus" or on the "Oktoberfest bier festival, the largest public festival in the world.

Munich offers not only Sightseeing but, also Wonderful Lakes and Fantastic Mountains and that means a good quality of Life

Munich doesn't have a Chinese twin city but, it does have a Chinese Tower in an English Garden which is an authentic landmark.



A traditional Bavarian costume. Very famouse during the "October festival"



Relaxing country side at the river Naab, in the neighbourhood of Zhafir



A typical Bavarian food: "Weisswurst mit Brezn und Senf" (white sausage with prezel and mustard)





Haitian Plastics Machinery manufacturing hall in Ningbo, China



Zhafir Plastics Machinery manufacturing hall in Ebermannsdorf, Germany

### Accessible support around the globe

We look after more than 30,000 customers worldwide, with over 60 distribution centres serving more than 80 countries and regions. Through the permanent availability of services and spare parts, we create crucial competitive advantages for all our customers worldwide.



Zhafir Plastics Machinery manufacturing hall in Ningbo, China

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