

## 蔚邦参观 AMS展会

## WEIBANG Visits AMS Exhibition



Automechanika Shanghai (i.e. "Shanghai International Auto Parts, Maintenance, Testing and Diagnostic Equipment and Service Supplies Exhibition") - Shenzhen Special Exhibition was held in Shenzhen International Convention and Exhibition Center, which is also the first exhibition of the year of the rabbit in Shenzhen International Convention and Exhibition Center, a professional platform, grand This is the first exhibition of the Year of the Rabbit in Shenzhen International

Convention and Exhibition Center, a professional platform, a grand exhibition, a comprehensive display of the automotive industry to technological innovation-driven development direction, to promote the high-quality development of the industry. Translated with [www.DeepL.com/Translator](http://www.DeepL.com/Translator) (free version).

Automechanika Shanghai (即“上海国际汽车零配件、维修检测诊断设备及服务用品展览会”)—深圳特展在深圳国际会展中心举行，这也是深圳国际会展中心的兔年首展，专业的平台、盛大的展会，全面展示汽车产业以技术创新为驱动的发展方向，共促行业高质量发展。

## 比亚迪技术交流

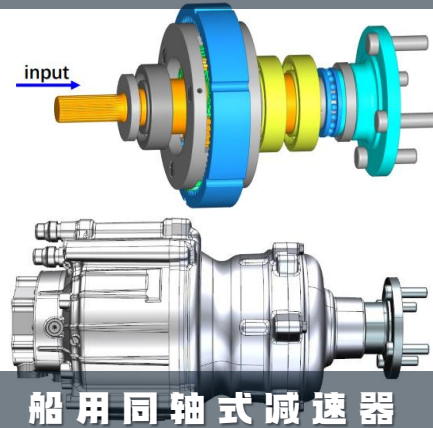
## Technical Communication with BYD

During the same period of the Shenzhen exhibition, WEIBANG also visited BYD Automotive Engineering Research Institute in Pingtian District, Shenzhen. We had a technical exchange with BYD technicians. The institute is divided into 10 R&D centers, which are electric vehicle technology development; software development; vehicle electrical; chassis development;



chassis development; bodywork; interior and exterior trim; planning and analysis; planning and analysis; and styling. Weibang established preliminary technical communication with BYD's three electric engineers to find the direction of cooperation and potential future cooperation projects.

在深圳展会同期，蔚邦一行人还去拜访了位于深圳坪田区的比亚迪汽车工程研究院。与比亚迪技术人员展开了技术交流。研究院主要分为10个研发中心，分别为电动汽车技术开发类；软件开发类；车用电器类；底盘开发类；底盘开发类；车身类；内外饰件类；规划分析类；规划分析类；造型设计类。蔚邦与比亚迪三电工程师建立初步技术交流，寻找合作方向以及未来潜在合作项目。

SmartIQ--Marine  
Coaxial Reducer

船用同轴式减速器

In order to meet the needs of customers to keep the input and output of marine reducer coaxial, WEIBANG has developed a planetary gear reducer, which adopts the mode of solar gear input, gear ring fixed and planetary frame output. Currently, most reducers on the market are off-axis reducers, which adopt the two-stage reduction structure of fixed-axis cylindrical gears. the rotor shaft of the motor is offset from the centerline of the output shaft (differential), while the planetary gear reducer structure can control both radial and axial dimensions well. this structure makes the whole assembly coaxial, which is one of the most compact designs in the reducer and can greatly meet the customer's demand for space.

为了满足客户船用减速器输入输出保持同轴的需求，蔚邦开发了行星齿轮结构减速器，该行星齿轮结构采用太阳轮输入，齿圈固定，行星架输出的模式，目前市场上的大多数减速器为偏轴式减速器，采用定轴式圆柱齿轮的两级减速结构，其电机的转子轴相对输出轴（差速器）的中心线是偏置布置的，而行星齿轮减速结构，能够将径向和轴向尺寸都控制的较好，这种结构让整个总成实现了同轴居中，是减速器中结构最紧凑的设计之一，能够大大满足客户对空间的需求。

(编辑 杨微 Edit by Wei.Yang)

## Striving for Excellence 开局就是决战，起步就是冲刺



At the beginning of 2023, WEIBANG Drives started with the passion and state of "Striving for Excellence", and we are moving forward with great speed and determination. In the project launched, the purchase dept. has taken the lead in the advance planning of the project quality and built the ballast of quality. Together with the customer, we conduct preliminary surveys of potential suppliers, assess potential risks and opportunities, and convey special requirements of customers to promote smooth project implementation at a later stage.

2023年伊始，蔚邦传动以“开局就是决战，起步就是冲刺”的激情和状态，大步快进、笃定前行。

在启动的项目中，供应商管理勇担项目质量先期策划的“排头兵”，筑牢质量的“压舱石”。

汇同客户一起：对潜在供应商进行前期调查，评估潜在风险与机遇，传递客户特殊要求，以推动后期项目顺利进行。



## Real-time Follow-up of Equipment Renovation Progress

Since February, to ensure that all nodes of the company's new projects are achieved, our company has visited the equipment supplier for many times to check and urge the transformation progress. After efforts, most of the materials have been followed up at the end of this month. Then we urge the supplier to increase the resource allocation related to our project to accelerate the progress of equipment assembly and commissioning. Now the assembly work is being carried out in an orderly manner as planned. In order to recover the impact of the epidemic before the year on the project schedule, our company will continue to strengthen efforts to follow up with suppliers to ensure that the production line equipment meets the project schedule requirements.

2月份以来,为了确保公司新项目的各项节点达成,我司多次到访设备供应商处,查看敦促改造进度。经过努力,在本月底将绝大部分物料跟进到位。随后督促供应商增加与我司项目相关的资源配置,加快设备的装配调试进度,目前装配工作正在按计划有条不紊的进行中。为了弥补年前疫情对项目进度的影响,我司将持续加大力度跟进供应商,确保产线设备满足项目进度要求。

(编辑 李蕾 Edit by Lei.Li)



设备改造进度实时跟进

## Professional Knowledge 专业知识

### 会计要素 Accounting elements



Accounting elements are the basic classification of the concrete content of accounting objects and also the concretization of accounting objects. Assets, liabilities, owner's equity, income, expense and profit are the six accounting elements of an enterprise.

Among them, assets, liabilities and owners' equity three reflect the financial situation of the enterprise; Revenues, expenses and profits reflect the operating results of an enterprise.

会计要素是会计对象的具体内容进行的基本分类,也是会计核算对象的具体化资产、负债、所有者权益、收入、费用、利润为企业的会计六要素。其中,资产、负债和所有者权益三项反映企业的财务状况;收入、费用和利润反映企业的经营成果。

(编辑 曾云微 Edit by Yunwei.Zeng)

**Master Plan 3--特斯拉秘密宏图3: 马斯克只想拯救地球**

Tesla announced the "Master Plan 3" on March 1, 2023, which is titled "Providing a broad roadmap for the complete transformation of human society to sustainable energy production and use by 2050. According to Tesla's plan, there will be about 1.44 billion electric vehicles that are powered by electricity and can drive themselves when they are fully electric.

In order to realize the vision of "universal electric

vehicle", Tesla is pursuing efficiency improvement and cost reduction from two aspects: production process optimization and next-generation model platform, respectively. In the direction of vehicle design and manufacturing, Tesla has made innovations in design and production processes. Parallel processes help integrated die-casting technology to improve production efficiency across the board. Tesla announced that the next generation production line will shift from serial to serial + parallel process to implement fully automated production. Specifically, Tesla will produce and paint parts in parallel and then assemble them in unison from the top down. This new production process is called the Unboxed Process, where all parts are produced independently, only the parts that need to be painted are painted, and then all parts are assembled (and assembled only once). With this innovation, Tesla's next generation production line will have 44% higher operational density, 30% higher space/time efficiency, 50% higher economic efficiency, and 50% less factory floor space. In addition, Tesla continues to reduce costs in powertrain, low-voltage wiring harness, and supply chain.

The next generation of permanent magnet motors will not use rare earths, reduce controllers, and simplify the parts supply chain. According to Tesla gave the ultimate efficiency, the ultimate cost and the ultimate scale of the program, "20 million electric vehicles sold in 2030" and "2050 to achieve a renewable energy economy" is expected to accelerate the world's transformation to sustainable energy.

特斯拉于2023年3月1日公布其“秘密宏图”第三篇章主题为“为推动人类社会在2050年前完全转型为可持续能源的生产和使用方式提供大致路线图”。其中第二步为提高电动车的普及率，根据特斯拉的规划，等实现全面电动化之后，全球将有约14.4亿辆纯电驱动且能够自动驾驶的电动车。

在汽车设计和制造方向，特斯拉对设计与生产工序进行了创新。并行工艺助力一体化压铸技术，全面提升生产效率。特斯拉宣布下一代生产线将从串行转为串行+并行工艺，贯彻全面自动化生产。

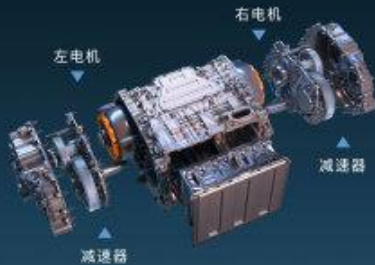


e<sup>4</sup>比亚迪易四方技术亮点

## 易四方平台电驱总成系统

20500rpm  
电机最高转速超1100匹  
整车最大马力

均位列行业第一



深度集成设计·首创带差速锁止功能

220~240kW  
单电机峰值功率320~420N·m  
扭矩97.7%  
最高效率

超强动力性能

3s级 百公里加速表现

太平洋汽车  
PCAUTO

e<sup>4</sup> Yi Sifang is a four-motor technology that allows each wheel to have independent drive control. All models of e<sup>4</sup> technology platform are equipped with 800V SiC sic high voltage electric control, which can efficiently control the cooperative operation of four motors of the vehicle.

1. "Turning in place function" as the symbolic function of e<sup>4</sup> is realized through the reverse rotation of the left and right sides of the wheel. It can not only be used in sand, ice, grass and other low adhesion road conditions, but also can be used in asphalt road, cement road and other high adhesion road.

2. "Emergency float function" is through four motors strong environmental adaptability, can maintain the driving force in the water, help users quickly get out of the trap.

易四方是让每个车轮都具备独立驱动控制能力的四电机技术。易四方技术平台所有车型均标配800V SiC碳化硅高压电控，可以高效率地控制车辆四个电机协同运作。

1. “原地掉头功能”作为易四方的标志性功能，是通过左右两侧车轮的反向转动而实现的。它不仅能用在沙地、冰面、草地等低附着路况，还能用在柏油马路、水泥路等高附着力路面。

2. “应急浮水功能”是通过四电机强大的环境适应性，可在水中保持驱动力，助力用户迅速脱困。



仰望技术场景沟通会

02.21-22 | 北京







### Jintan No.1 Farm Moe Park 常州金坛1号农场萌动乐园

Weekend away from the hustle and bustle of the city, breathing fresh air, and cute little animals zero distance contact, suitable for a short weekend trip-Jintan No. 1 Farm Moe Park, a park you can drive into. There are many small animals inside: plum deer, alpacas, peacocks, llamas, rabbits, cattle, sheep, chickens, etc.; the deer are free-ranging in the pine forest, very gentle, you can interact with the small animals and feed them from a distance.

周末远离城市的喧嚣，呼吸着新鲜的空气，和可爱的小动物零距离接触，适合周末的短途旅行-金坛一号农场萌乐园，可以开车进的乐园。里面有很多小动物：梅花鹿、羊驼、孔雀、骆驼、兔子、牦牛、

绵羊、鸡等；小鹿散养在松树林里，很温柔，可以零距离和小动物们互动，给它们喂食。

一号农场·萌动乐园位于江苏省常州市金坛区茅山旅游名胜区的一号农场内，依托茅山旅游度假区原有的特色乡村旅游资源打造而成，项目总占地276800平米，是华东地区最大的集萌宠互动体验、乡村休闲度假、农业科普、动物科普四位一体的高沉浸式萌宠动物主题休闲农场。萌宠互动体验以与萌宠科普与互动体验为主，乐园引进了可爱的土拨鼠、呆萌的羊驼、温顺的折耳兔、慵懒的小浣熊、活泼的设特兰矮马、臭美的蓝孔雀等动物40余种，动物数量约1000头只。抚摸、拥抱、喂食、拍照、观察五大与萌宠“零距离”接触的方式，不仅能让小伙伴们沉浸式感受萌宠，更能感受萌宠世界的纯真与美好。





## Jiangsu-Nanjing-Garden Expo Park 江苏南京园博园



The Jiangsu-Nanjing-Garden Expo Park project is carefully crafted by a large number of well-known designers at home and abroad led by academicians Cui Li and Wang Jianguo of the Chinese Academy of Engineering, forming the overall layout of "123456", that is, "one landmark building, two light and wisdom projects, three image entrances, four exquisite flower valleys, five boutique hotels and six supporting facilities".



江苏园博园位于江苏省南京市江宁区，地处紫金山、栖霞山、宝华山、汤山四个风景区环抱圈内，密林郁葱、物种繁盛、生态多样，石灰石矿产资源丰富，是第十一届江苏省园艺博览会举办地。

南京园博园，这里环境优美，气候宜人。展览项目有园林景点、盆景、观叶植物、插花、根艺、赏石、园林花卉及相关产品等。