



# LEWE Presentation

广东立崴精机有限公司  
Guangdong Liwei precision Machinery Co.,Ltd.

好龙门·立崴造!

Good Gantry CNC, Lewe Made

**LEWE**®  
立崴精机

Team



团队



专业



Cooperate



坚持



Professional



**01. ABOUT US/关于LEWE**

**02. PRODUCT/产品介绍**

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**01**  
Part

# ABOUT LEWE

(关于立崴精机)



Guangdong LEWE precision machinery Co., Ltd is a high-tech enterprise engaged in research and development, production, sales and service of CNC machining centers, including gantry machining centers, vertical machining centers, horizontal machining centers, CNC lathes, etc. The company has a long-term stock of large-sized gantry machines and adheres to the brand quality path. The main accessories are all world-famous products. After strict assembly and production processes and precise testing, the products are of high rigidity, high precision, high efficiency and durability. At present, our company provides products and solutions to hundreds of well-known enterprises at home and abroad, which are widely used in aviation, aerospace, railway, wind power, automotive, communications, molds, mechanical parts processing and other industries.

广东立崴精机有限公司是一家从事数控加工中心研发、生产、销售和服务的高新技术企业，产品包括龙门加工中心、立式加工中心、卧式加工中心、数控车床等。公司长期备有大型龙门机库存，坚持走品牌品质之路，主要配件均采用世界名牌产品，经过严格的装配生产流程和精密检测，产品具有高刚性、高精度，效率高，耐用。目前，我公司为国内外数百家知名企业提供产品和解决方案，广泛应用于航空、航天、铁路、风电、汽车、通讯、模具、机械零部件加工等行业。



Adhering to the market and customer demand-oriented, driven by focus and innovation, based on a sound management system and quality assurance system, we will continue to provide high-quality, high-efficiency professional products and services for global machining customers

## Our Vision 企业愿景

Focus on the fundamentals of the industry and contribute to the development of high-quality CNC machine tools!

立工业根本，为高品质数控机床的发展贡献立崑力量！

## Our Mission 企业使命

Taking the production of working machines as the company's mission, and sharing customer experience as the common background

将制作工作母机作为公司使命，以客户经验分享作为共同背景

## Our Values 企业价值观

Customer-first, Integrity management, Quality first

客户至上、诚信经营、质量第一



专业

开放

进取

合作

Internationalization, open thinking, more than 20 years of experience in the precision machine tool industry, the progressive road of the Liwei team, the road of innovation has never stopped

国际化，开放性思维，超二十年的精密机床行业的经验积累，立崴团队的进取之路，创新之路从未停止

## 立工业根本，崴强国制造



02

Part

Production

(立歲产品)

Gantry

HMC

VMC



LWG-4027



LW-1814



LW-855







Turrets Type  
Machine  
刀塔机

Turning &  
Milling  
Integration  
车铣复合

Raw Knife  
Machine  
排刀机



LW-106



LW-108L



LW-A36





LEWE VMC adopts P-level guide rails(X/YZ), which can support heavy loads and move quickly to ensure positioning Precise, wide base, box-shaped column widened and enlarged saddle, ensure the stability of the machine

Made of high-grade Meehanite cast iron and processed and eliminated in time after high-temperature tempering Internal stress ensures long-term maintenance of mechanical precision.

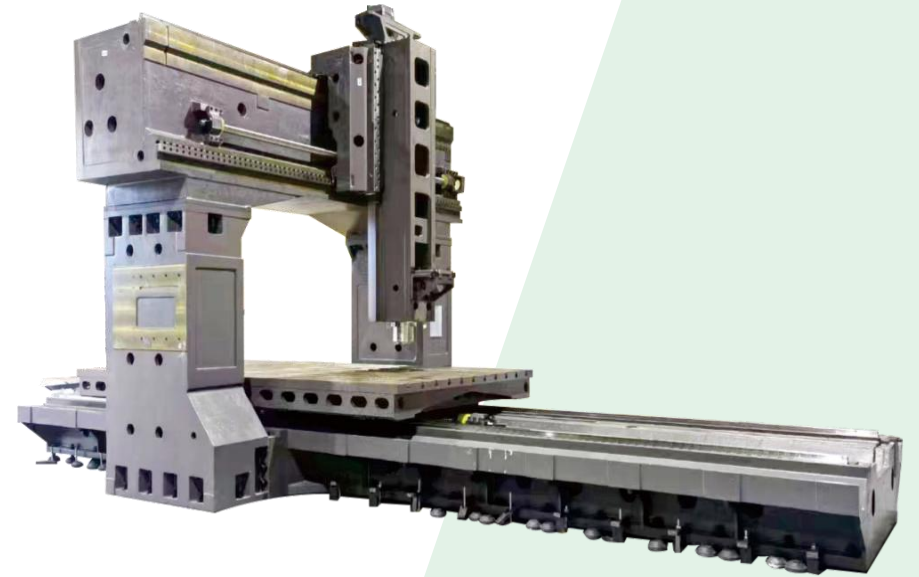
三轴采用P级导轨,可支撑重负荷,快速移动,确保定位精准,底座宽实,立柱为箱型结构体,鞍座加宽加大,确保整机的稳定性

采用高级米汉纳铸铁铸造并经高温回火及时处理消除内应力,确保机械精度的长期保持。



Lewe HMC Series adopts two structures of advanced T-shaped bed and cross slide bed. The machine tool has good rigidity, strong bearing capacity and high balance precision. Meet the strict requirements of precision parts manufacturing, suitable for processing multi-faceted work pieces such as fuselage, machine base, frame, etc., and can complete rough machining, fine milling, boring, drilling, threading, etc. in a single clamping.

立崴卧式加工中心采用先进的T型床身和十字滑台床身两种结构,机床刚性好,承载能力强,平衡精度高,满足精密级零件制造的严格要求,适合加工机身、机座、机架等多面工件,单次装夹即可完成粗加工以及精铣、镗孔、钻孔、螺纹加工等。



**LEWE gantry machining center series, the main structure castings are made of high-quality Meehanite cast iron, integrated chip removal bed design, two lines and one hard high rigidity structure, equipped with large torque high rigidity spindle and high dynamic response drive system, with high rigidity, High dynamic response characteristics. With high precision and good rigidity, it is mainly used for the processing of planes, curved surfaces and holes, and is widely used in aviation, aerospace, railway, automobile, mold and other processing fields.**

**LEWE龙门加工中心系列，主结构铸件采用高品质的米汉纳铸铁，一体式排屑床身设计，两线一硬高刚性结构，配备大扭矩高刚性主轴和高动态响应驱动系统，具有高刚性、高动态响应的特点。精度高、刚性好，主要用于平面、曲面和孔的加工，广泛应用于航空、航天、铁路、汽车、模具等加工领域。**



## 生产全制程

Casting-machining-assembly-sheet metal-power distribution-commissioning-whole machine process  
铸造-机加工-装配-钣金-配电-调试-整机



# Components



### Standard Configuration

 FANUC system	 Servo Motor	 SMC Gas Accessories	
 Electric box AC Refrigeration	 Spindle oil cooling system	 Automatic lubricating oil system	 Automatic chip removal system

### Optional Accessories

 BT50 Gearbox Head	 Arm type tool magazine	 Fully automatic 90 degree head
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Control System		 Changes for the Better	
Guide Screw		 Linear Motion Products & Technology	 PMI Linear Motion Systems
Screw Bearing			
Electrical Accessories	 施耐德电气		
Oil&Gas Accessories		 ISAW	
Coupling	 R+W AUFERPE - POTTERY COMPANY	 NBK Couplings, Screws, Clamps	
Trachea			

Core components

Core components come from global famous brands



The brand of high-end CNC equipment manufacturing industry is not completed overnight, honest management and reliable quality are the key to success or failure. Liwei makes every machine tool with heart, and casts Liwei's future with the awareness of high-quality engineering!



Renishaw Ballbar Circularity inspection

How does the ballbar test work?

If you program a CNC machine to trace out a circular path and the positioning performance of the machine was perfect, then the actual circle would exactly match the programmed circle. In practice, many factors in the machine geometry, control system and wear can cause the radius of the test circle and its shape to deviate from the programmed circle. If you could accurately measure the actual circular path and compare it with the programmed path, you would have a measure of the machine's accuracy.



Japan Mitutoyo 3D parts accuracy inspection

From: Mitutoyo

1. No count error occurs even if you move the slider or spindle extremely rapidly.
2. You do not have to reset the system to zero when turning on the system after turning it off\*.
3. As this type of encoder can drive with less power than the incremental encoder, the battery life is prolonged to about 3.5 years (continuous operation of 20,000 hours)\*2 under normal use.



Laser interferometer positioning accuracy inspection

Laser interferometers are commonly used to measure distances, refractive index changes and surface properties. They are often the most accurate instruments available and provide great convenience.



**03**

Part

**On Site**

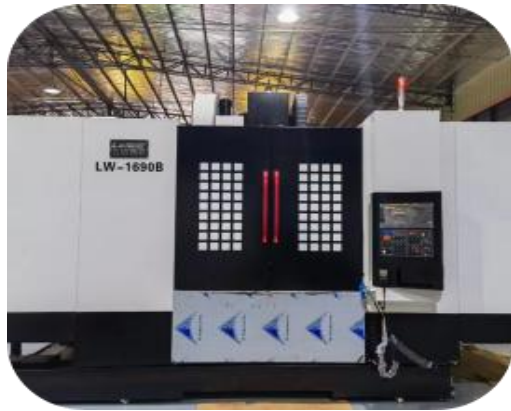
(客户鉴证)

# On site Video >>>





# On site Photo >>>





**FANUC**

**MITSUBISHI  
ELECTRIC**  
*Changes for the Better*

**THK**

**HIWIN**<sup>®</sup>  
Linear Motion Products & Technology

**Schneider**  
Electric  
施耐德电气

**PMI**  
PMI Linear Motion Systems

**NSK**

**SMC**<sup>®</sup>

  
中国中铁

航空工业

  
一汽-大众  
FAW-VOLKSWAGEN

  
中船重工

**FOXCONN**  
富士康科技集团

**BYD**  
比亚迪汽车

**玉柴动力**  
YUCHAI POWER

**WEICHAI**  
潍柴



**04**

Part

**Contact US**

(联系我们)



OUR GLOBAL  
MARKET

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# THANKS

## 广东立崴精机有限公司

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