WANSHSIN®
萬鑫精工

致力于打造世界一流的中国传动品牌

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Wanshsin Gear Motor CATALOGUE

全系列减速机产品图册

TX

Committed To Building A World-class Transmission Brand

万鑫精工（湖南）有限公司
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Southern China Dongguan Wanshsin Electromechanical Co.,Ltd
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Add:7, Akshat Villa, Near Green Valley,Science City Road, Sola,Ahmedabad, Gujarat 380060, India

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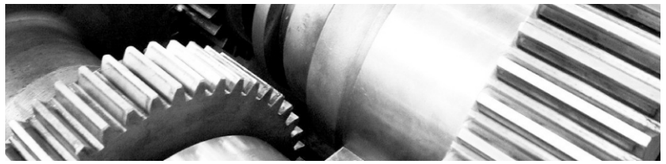


COMPANY PROFILE

万鑫精工(湖南)有限公司（简称万鑫精工）是集研发、生产、销售、服务于一体的专业化减速电机企业，主要生产高精密减速电机，产品广泛应用于机器人、机床、立体停车库等轻工自动化设备。作为一家专注于减速电机的制造商及智能自动化全套方案提供商，万鑫精工引入国外先进加工设备，致力于为全球客户提供技术前沿、品质卓越的各类减速电机产品，是国内减速电机行业的优质品牌。

为满足国内外客户的需求，全面开启国际化战略布局，万鑫精工立志走“精鑫”强企强国之路，先后引入国内外多名高新技术人才加盟，更加重视现有产品的质量提升以及新产品的研发。在未来的发展中，万鑫精工将继续秉持着“致力于铸就世界一流的中国传动品牌”的信念与愿景，为助推世界工业智能化发展而奋斗!

WANSHSIN SEIKOU (HUNAN) CO., LTD. (hereafter referred to as “WANSHSIN”) is professional gear motor manufacturer integrates R&D, production ,sales and service. WANSHSIN mainly manufactures high-precision gear motors which are widely used in robots, machine tools, solid garages and other industrial automation. As a gear motor manufacturer and complete intelligent automation solutions provider, WANSHSIN introduced advanced import processing equipment, adopted advanced technology, to meet the strict high quality requirement for worldwide customers. All efforts made WANSHSIN a reputable and high quality brand in domestic gear motor industry.

To satisfy domestic and foreign customers' requirements, WANSHSIN fully opened the international strategic layout, determined to follow the path of building a strong enterprise for a stronger country, WANSHSIN pays more attention to the quality improvement of current products and development of new products, and successively introduced high-tech talents, both domestic and international. In the future, WANSHSIN will continuously keep the faith that “Committed to building a world-class transmission brand” and strive to the development of the industrial intelligent system of the world.

8 ADVANTAGES

/

八大优势

Leading electromechanical technology

International inspection standard

Famous industry brand

Energy saving & enviromental

Stable & durable power

Fast and timely delivery

Exquisite and beautiful appearance

Convenient and high-efficient service

PLANETARY GEARBOX
行星减速机

产品优势 Product advantage

- **高稳定性 High stability**
  采用高强度合金钢材，整个齿轮经硬化处理，确保使用寿命及长期使用仍保持最初的精密度。
  The gear are made of high-strength alloy steel, tthe entire gear is hardened to ensure life time and original precision after long time use.

- **高效率 High efficiency**
  传动效率高达97%。
  Transmission efficiency up to 97% or more.

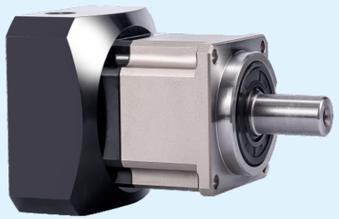
- **高输入转数 High input speed**
  最高输入转速可达10000rpm。
  Maximum input speed up to 10000rpm.

- **高减速比 High speed ratio**
  采用模块化设计，行星齿轮箱可相互连接，速比高。
  Modular design, planetary gearboxes can be connected to each other with a high-speed ratio.

- **低噪音 Low noise**
  设计精巧，精密制造，噪音低于63dB(A)。
  Compact design, precision manufacturing, noise below 63dB(A).

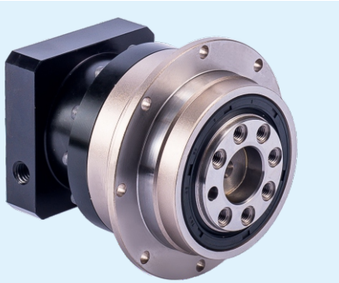
- **低背隙 Low backlash**
  单节低于3弧分（arcmin），双节低于8弧分（arcmin）。
  Single section below 3 arcmin, double section below 8 arcmin.

- **免维护 Maintenance free**
  整机紧凑体积小，全密封式结构，确保润滑油脂不泄露。
  With compact and full sealed structure to ensure no grease leakage.



WAB

WABR



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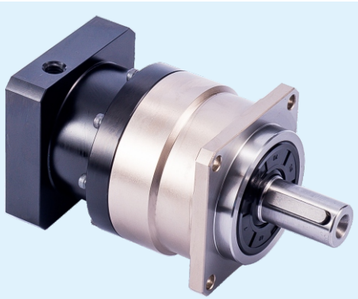
WADR



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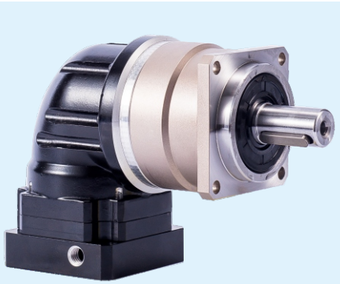
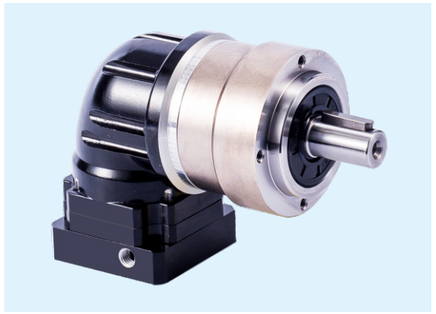


WVRBR

WAE



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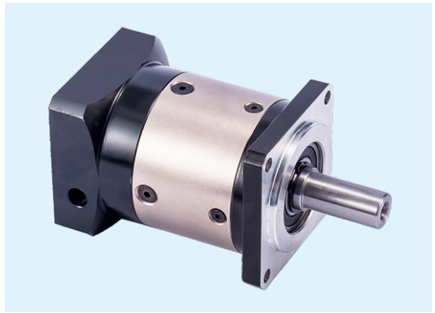
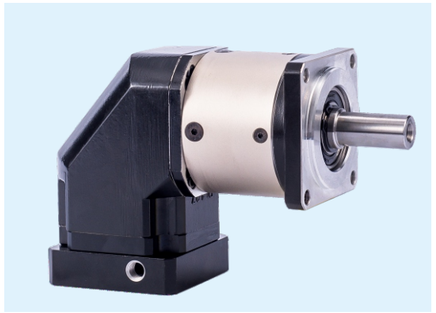


WPF

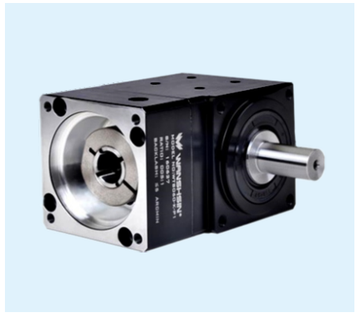


WPFR

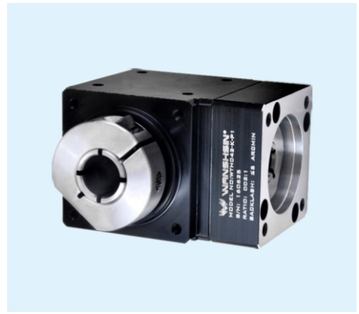
WPL

WPLR

WRD



WRS



WRH

Specification and parameters 参数性能

出力轴尺寸：12~50mm（可根据客户要求尺寸制定）

减速范围：3、4、5、7、10……100比

最大径向力：355~6300N

最大轴向力：275~8400N

Output shaft size:12~50mm

(Shaft size can be customized)

Reduction range:3、4、5、7、10……100 ratio

Maximum radial force:355~6300N

Maximum axial force:275~8400N

满载效率	97	L1:一段减速		超精密型	精密型	标准型	经济型
	94	L2:一段减速		P0	P1	P2	P3
回程间隙	WAB	arc min	L1	-	≤3	≤5	≤8
			L2	-	≤5	≤8	≤12
	WAD		L1	≤1	≤3	≤5	-
			L2	≤3	≤5	≤8	-

Full load capacity	97	L1:1 stage		Precision backlash	Reduced backlash	Standard backlash	Economic backlash
	94	L2:2 stage		P0	P1	P2	P3
Backlash	WAB	arc min	L1	–	≤3	≤5	≤8
			L2	–	≤5	≤8	≤12
	WAD		L1	≤1	≤3	≤5	–
			L2	≤3	≤5	≤8	–

Application 应用领域

1、包装机械 Packaging machine

2、半导体生产设备 Semi-conduct prodution equipment

3、医疗机床器械 Medical machine

4、印刷机械 Printing machine

5、机械手 Robot arm

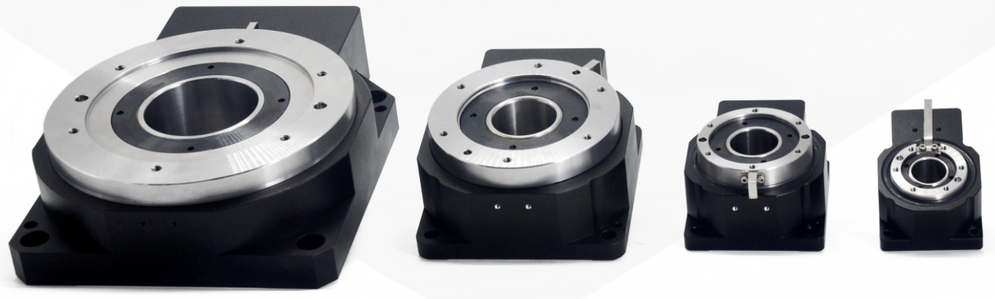
6、工厂自动化设备 Factory automation equipment

7、轮胎成型机 Tire building machine

HOLLOW ROTATING PLATFORM
中空旋转平台

产品优势Product advantage

- **高稳定性 High stability**
  采用高强度合金钢材，整个齿轮经硬化处理，确保使用寿命及长期使用仍保持最初的精密度。
  The gear are made of high-strength alloy steel, the entire gear is hardened to ensure life time and original precision after long time use.
- **高效率 High efficiency**
  传动效率高达97%以上。
  Transmission efficiency up to 97% or more.
- **高输入转数 High input speed**
  最高输入转数可达10000rpm。
  Maximum input speed up to 10000rpm.
- **低噪音 Low noise**
  设计精巧，精密制造，噪音低于63dB(A)。
  Compact design, precision manufacturing, noise below 63dB(A).
- **低背隙 Low backlash**
  可调试（无齿隙），端面跳动小。
  Adjustable (no backlash), the value of run-out is small.
- **免维护 Maintenance free**
  整机紧凑体积小，全密封式结构，确保润滑油脂不泄露。
  With compact and full sealed structure to ensure no grease leakage.



Application 应用领域

- 产品广泛应用于机械手臂，光学用途，高精度定位等高精度设备需求领域。
- The product are widely used in robot arm, optical applications and those with high precision positioning or high precision equipment requirement.

R.F.K.S
GEAR MOTOR
四大系列减速机

产品优势 Product advantage

■ **高稳定性 High stability**

减速机结构设计采用圆柱齿轮及螺旋齿轮的设计，结构紧凑，输出扭矩覆盖范围广,产品寿命长。

The structure of the gear motor is designed with cylindrical gears and helical gears. It has a compact structure ,wide output torque coverage and long product life.

■ **高承载力 High bearing capacity**

齿形齿向进行修正,大大降低噪音,提高承载能力,重载齿轮还进行齿根修圆，进一步优化承载能力和力学性能。

The shape and direction of the gear can be optimized to greatly reduce noise and improve load carrying capacity .The heavy-duty gear is also rounded to the root to further optimize the load-carrying capacity and mechanical properties.

■ **低温升 Low temperature rising**

铸造箱体外形的流线型设计和内部的减噪设计，易于风扇冷却。

Streamlined design and internal noise reduction design for the shape of the cabinet for easy fan cooling.

■ **低噪音 Low noise**

高度模块化、运转平顺、低噪音。

High modularity, smooth operation, low noise.

Parameters 参数

产品系列：R、F、K、S	Product series:R、F、K、S
功率：0.12KW-11KW	Power:0.12KW-11KW
减速比:3.37-12912	Ratio:3.37-12912
框号:37-170	Frame size:37-170

Application 应用领域

本产品广泛应用于电力、煤炭、水泥、冶金、港口、环保、化工、物流、纺织制造、轻功、塑料、石油、船舶等行业装备。

This product is widely used in electric power, coal, cement, metallurgy, port, environmental protection, chemical, light industry, plastics, petroleum, shipbuilding and other industries.

MEDIUM GEAR MOTOR
中型减速电机

产品优势 Product Advantage

■ **高耐用度 High durability**

齿轮采用高强度合金钢、外壳采用高强度压铸铝合金,具有轻质、耐用的特点。
The gear is made of high-strength alloy steel and the shell is made of high-strength die-cast aluminum alloy, which is light and durable.

■ **高效率 High efficiency**

比传统锥齿轮及涡轮蜗杆减速机在相同速比时传动效率更高。
Better efficient transmission than conventional bevel gears and worm gear reducers at the same speed ratio condition.

■ **高输入转速 High input speed**

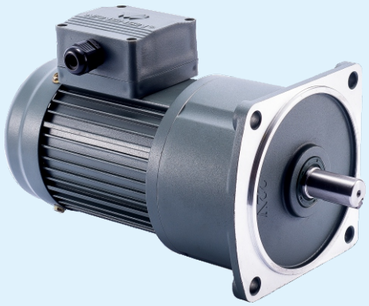
最高输入转数可达可达10000 rpm。
Maximum input speed up to 10000rpm.

■ **低噪音 Low noise**

设计精巧，精密制造，噪音低于65dB(A)。
Compact design, precision manufacturing, noise below 65dB(A).

■ **免维护 Maintenance free**

整机紧凑，减速机采用润滑脂润滑，终身免维护。
The whole machine is compact, the gear motor is lubricated with grease, and life-long maintenance free.

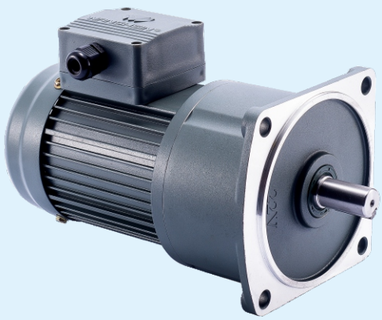


GV立式齿轮减速马达
GV vertical gear motor

GH卧式齿轮减速马达
GH horizontal gear motor

GV立式高速比齿轮减速马达
GV vertical high-speed ratio gear motor

GH卧式高速比齿轮减速马达
GH horizontal high-speed gear motor

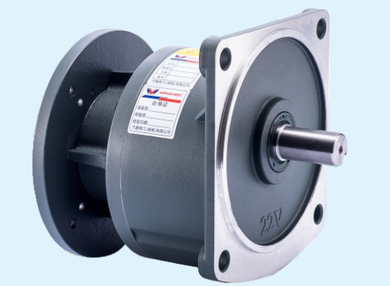


GV立式缩框型减速马达
GV vertical shrinkable gear motor

GH卧式缩框型减速马达
GH horizontal shrinkable gear motor

GV立式高速比缩框型减速机
GV vertical high-speed ratio shrinkable gear motor

GH卧式高速比缩框型齿轮减速马达
GH horizontal high-speed shrinkable gearmotor

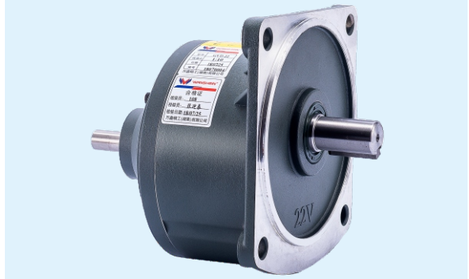


GVM立式直结型齿轮减速机
GVM vertical straight gear motor

GHM卧式直结型齿轮减速机
GHM horizontal straight gear motor

车库横移专用减速机
Special gear motor for horizontal movement of garage

车库升降专用减速机
Special gear motor for vertical movement of garage



GVD立式双轴型齿轮减速机
GVD vertical dual axle gear motor

GHD卧式双轴型齿轮减速机
GHD horizontal dual axle gear motor

立式三相标准IEC铝壳马达
Vertical three-phase standard IEC aluminum gear motor

Parameters 参数

出力轴尺寸:18、22、28、32、40、45、50、60（可根据客户要求尺寸制定）

配备马力：100W-7500W

减速范围：3、5、10……1800比

单相：110V,220V/50,60HZ-1PHASE

三相：220V,380V/50,60HZ-3PHASE

可加装刹车：断电刹车器、手释放刹车器，DC24V送电刹车器

Output shaft size:18、22、28、32、40、45、50、60
(Size can be customized)

Power:100W-7500W

Ratio:3、5、10……1800ratio

Single phase: 110V,220V/50,60hz-1phase

Three-phase:220V,380V/50,60hz-3phase

Brake available: Brake unit, with release brake unit

DC24V brake

Performance 性能

电机空载1h温度≤55℃、负载1h温度≤68℃

No-load motor for 1h,temperature≤55℃,load for 1h,temperature≤68℃

Application 应用领域

1、畜牧业	Animal husbandry machine
2、陶瓷设备	Ceramic equipment
3、棉箱设备	Hopper equipment
4、升降设备	Lifting equipment
5、卷托设备	Hoisting equipment
6、停车设备	Parking equipment
7、流水线设备	Assembly line equipment

MICRO GEAR MOTOR
微型减速电机

产品优势 Product advantage

■ **高稳定性 high stability**

负载功率足,运行稳定，长期使用产品疲劳度低。
Load power is sufficient, stable operation, and low fatigue after long term use.

■ **高安全性 High security**

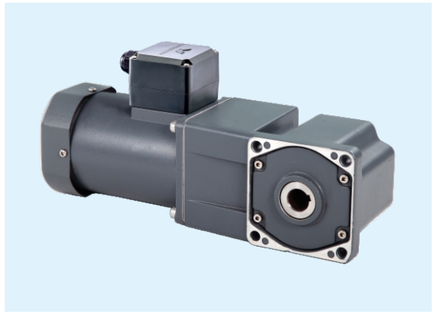
绝缘耐压,绝缘等级达到B级。
Insulation and voltage resistance, the insulation grade is up to B.

■ **低温升 Low temperature rising**

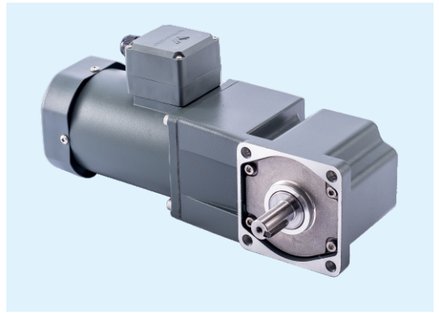
可选配强制风扇，电机升温低，绕组温度上升值为75K以下。
Optional forced fan, low motor temperature rise, winding temperature rise value below 75K.

■ **多配比 Multi-match ratio**

电机功率覆盖范围广，减速箱速比全，可配比多款减速箱（标准型、加强型、）中空直角、中实直角等）和多款调速器（面板、数显、多功能）。
Wide motor power coverage, full range speed ratio of gear reducer, which can be matched with a variety of gearboxes(standard, reinforced, hollow rectangular, in implementing right angle) and multiple governor (panel, digital and multi-function).



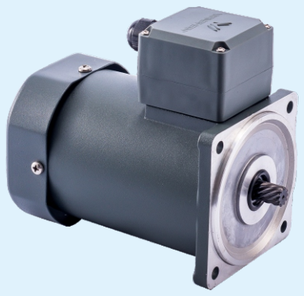
直流电机+直角中空减速箱
DC motor +right angle hollow gear box



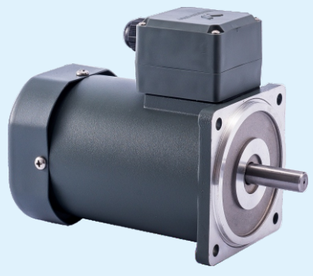
直流电机+直角中实减速箱
DC motor + right angle solid gear box

标准电机+带耳减速箱
Standard motor +Eared gear box

标准电机+标准减速箱
Standard motor + standard gear box



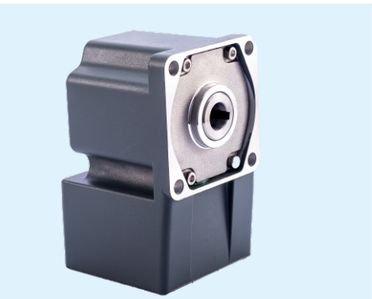
标准电机（齿轴）
Standard motor(gear shaft)



标准电机（圆轴）
Standard motor(round shaft)

直流电机（齿轴）
DC motor（gear shaft）

直流电机（圆轴）
DC motor（round shaft）



直角中空减速箱
Right angle hollow gear box

直角中实减速箱
Right angle solid gear box

标准减速箱
Standard gear box

带耳减速箱
Eared gear box

Gear box with frame size: 60-100,Item No.:H/HE/RT/RC

减速机箱60—100框号：分别以H/HE/RC/RT

H型
H type

HE型
HE type

RC型
RC type

RT型
RT type

Parameters 参数

马力：6W-200W

单相：110V，220/50,60HZ

三相：220V,380V/50,60HZ

可加装刹车：0.5N·M/2.5N·M电磁制动器

可加装调速：调速范围在90~1480rpm/min

Power:6W-200W

Single phase:110V,220V/50,60HZ

Three-phase:220V,380V/50,60HZ

Brake available:0.5N·M/2.5N·M magnetic brake

Adjustable speed:range from 90~1480rpm/min

Performance 性能

电机空载1h温度≤55℃、负载1h温度≤70℃

No-load motor for 1h,temperature≤55℃,load for 1h,

temperature≤70℃

Application 应用领域

1、畜牧业	Animal husbandry machine
2、陶瓷设备	Ceramic equipment
3、棉箱设备	Hopper equipment
4、升降设备	Lifting equipment
5、卷托设备	Hoisting equipment
6、停车设备	Parking equipment
7、流水线设备	Assembly line equipment