



联动驰而不息 合作共赢未来
Linkage and galloping without rest, Cooperation for a Win-Win Future



陈跃（江苏）技术有限公司

Chenyue (Jiangsu) Technology Co., Ltd.

地址：中国江苏省沭阳县金浪路10号

Add: No. 10 Jinlang Road, Shuyang County, Jiangsu Province, China

Web: www.chinachenyue.com

Email: export@chinachenyue.com

Service: +86 400 019 2928



江苏凹凸慢机电科技有限公司

Jiangsu Automan Electromechanical Technology Co., Ltd.

地址：中国江苏省沭阳县金浪路5号

Add: No. 5 Jinlang Road, Shuyang County, Jiangsu Province, China

Web: www.cyautoman.com

Email: export@cyautoman.com

Service: +86 400 687 6698



本样册仅供参考，以实际产品为准，最终解释权归陈跃（江苏）技术有限公司

This catalog is for reference only, subject to the actual product, the final interpretation right belongs to Chenyue (Jiangsu) Technology Co., Ltd.

CHENYUE CIS ID.202310_CN_EN_ALL

Technology · Manufacture · Trading · Service



Gearboxes and Worm gearbox
For industrial applications



CHENYUE®
TECHNOLOGY CO., LTD.

www.chinachenyue.com

SINCE 1993

CYCM系列 高精密蜗轮蜗杆减速机 CYCM Series of High Precision Worm Gearbox



重复精度 REPEATABILITY
0.5~2 弧分 0.5~2 ARCmin

www.chinachenyue.com
export@chinachenyue.com



陈跃 (江苏) 技术有限公司 CHENYUE TECHNOLOGY

陈跃 (江苏) 技术有限公司 (简称: 陈跃技术CHENYUE TECH), 自1993年创建减速机蜗轮箱体模具厂, 至2023年成立科技创新型陈跃技术CHENYUE TECH, 历经三十年技术研发及制造经验的沉淀, 在高精准重复定位和高精密分度等智能工控领域, 成为全球领先的减速系统解决方案提供商和专业的高质量精密减速机制造商。

陈跃技术CHENYUE TECH拥有浙江台州、江苏沭阳两大研发制造基地, 全面构建了以技术Technology、制造Manufacture、贸易Trading、服务Service融合的TMTS发展体系。依托专业团队的研发设计、苛求严谨的测试设备以及高精尖的制造工艺, 拥有国内外50多项发明专利、实用新型及外观设计专利, 具备质量管理体系、环境管理体系、健康安全体系三体系认证、CE及ROHS欧盟环保认证等欧美认证。业务遍及全球40多个国家及地区。

江苏凹凸慢机电科技有限公司 (简称: 凹凸慢机电CY Automan) 是领先的减速系统解决方案提供商和专业的高质量精密减速机制造商, 我司拥有数控蜗杆砂轮磨齿机, 德国因戴克斯 (INDEX) 车/铣复合加工中心, 日本卡希富基 (KASHIFUJIK) CNC滚齿机, 美国哈斯 (Hass) 5轴数控加工中心, 瑞士莱森豪尔 (REI SHAUER) 高精度磨齿机; 并配备齿轮检测中心、德国蔡司三坐标检测中心, 强大的研发团队和生产管理模式; 务求让每台产品达到高质高精高效的信心保证!

Chenyue (Jiangsu) Technology Co., Ltd. (abbreviation: CHENYUE TECH), since the establishment of the reducer worm gear box mold factory in 1993, to the establishment of technological innovation factory CHENYUE TECH in 2023, after three decades of technology research and development and the precipitation of manufacturing experience, in the field of high precision repetitive positioning and high precision indexing and other intelligent industrial control, has become the world's leading deceleration system solution provider and professional manufacturer of high quality precision reducers.

CHENYUE TECH owns two R&D and manufacturing bases in Taizhou, Zhejiang and Shuyang, Jiangsu, and has comprehensively built a TMTS development system integrating technology, manufacturing, trading and service. Relying on the professional team's R&D design, demanding and rigorous testing equipment and high precision manufacturing process, CHENYUE TECH owns more than 50 invention patents, utility model and design patents at home and abroad, and possesses the three system certifications of quality management system, environmental management system, health and safety system, and European and American certificates, such as CE and ROHS EU environmental protection certificates. Our business covers more than 40 countries and regions all over the world.

Jiangsu Automan Electromechanical Technology Co., Ltd. (abbreviation: CY Automan) is a leading deceleration system solution provider and a professional manufacturer of high quality precision reducers. Our company owns CNC worm gear grinding machine, German INDEX lathe/mill composite machining center, Japanese KASHIFUJIK CNC hobbing machine, American Hass 5-axis CNC machining center, Swiss REI SHAUER high precision gear grinding machine; and equipped with gear testing center, German Zeiss three-coordinate testing center, a strong R&D team and production management mode; strives to make every product to achieve high quality, high precision and high efficiency confidence guarantee!

30年企业发展史 30 Years of Company Development



2023公司完成“裂变计划”, 成立智能创新型“陈跃 (江苏) 技术有限公司”, 全面构建了技术Technology、制造Manufacture、贸易Trading、服务Service融合的TMTS发展体系。拥有国内外50多项专利, 具备质量管理、环境保护、职业健康安全三体系认证、欧美CE认证及欧盟ROHS环保认证, 成为国际领先的减速系统解决方案提供商和专业的高质量精密减速机制造商。



2022完成细分市场的蜗轮蜗杆减速机全行业覆盖, 专为伺服电机配套CYCM高精度系列减速机研发投产, 填补国内正交高精度蜗轮蜗杆的行业空白, 背隙可调整至0.5-2弧分, 适用于高精度重复定位、高精密度等智能工控领域。



2017-2022江苏凹凸慢机电科技有限公司成立并投产, “台州陈跃减速”和“江苏凹凸慢机电”同时研发完成并生产CYRV、CYVF、CYRW、CYWF、CYPC五大系列产品, 拥有国内外30多项发明专利、实用新型及外观设计专利。



2011-2017依托18年的高质量RV蜗轮箱体及减速机零配件生产经验, 转型制造CYRV、CYVF、CYRW系列减速机整机, 树立“陈跃减速”品牌, 成为一家高品质减速机制造企业。



2001-2011“陈跃减速机部件厂”十年磨一剑, 提供高品质RV蜗轮箱体模具的同时, 自制研发生产高精度蜗轮蜗杆、变速箱体等减速机零配件。



1993-2001成立专业蜗轮箱体模具制造厂, 为减速机行业各大整机厂家提供高品质的蜗轮箱体模具。

2001

1993

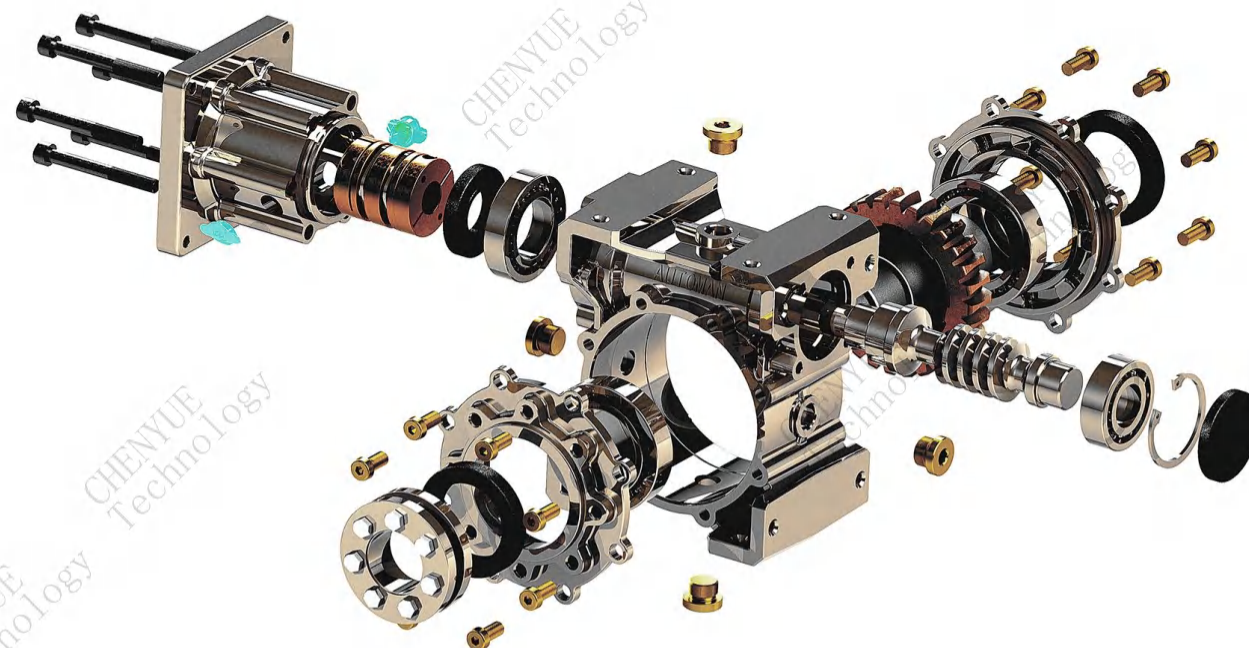
2023

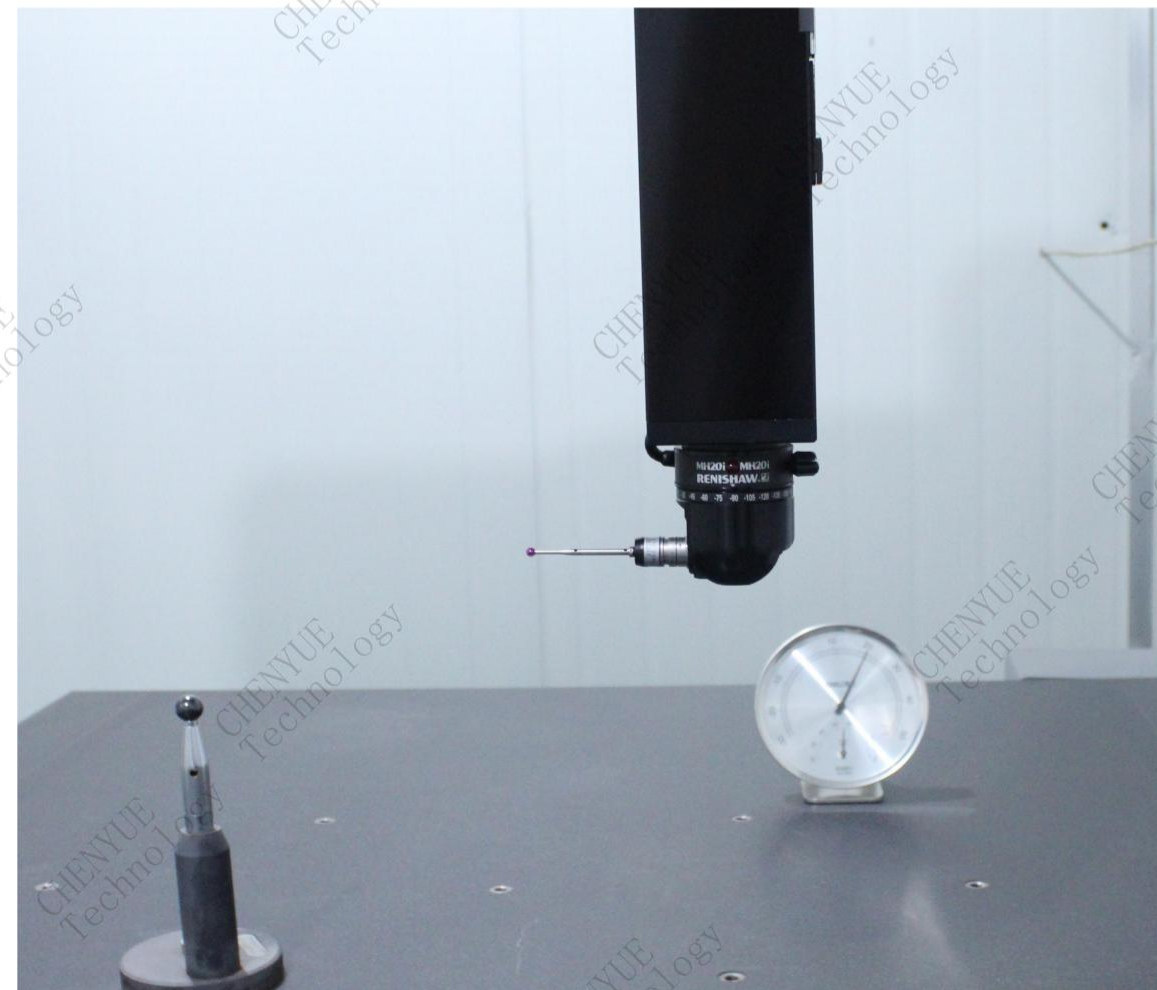
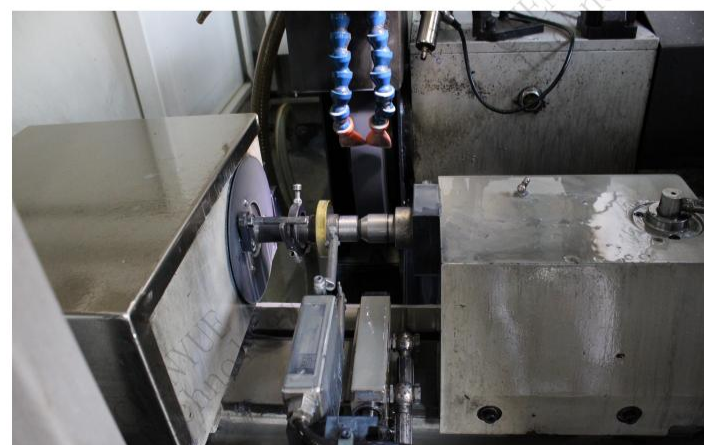
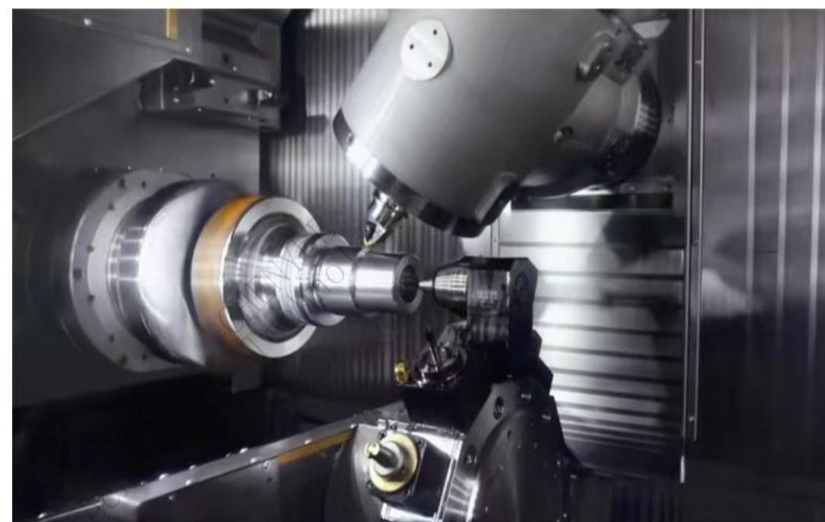
2022

2017

2011

CYCM 结构分解图 CYCM Structure Decomposition Diagram







CY系列减速机
CY Series Worm Gearbox

CYCM



CYWF



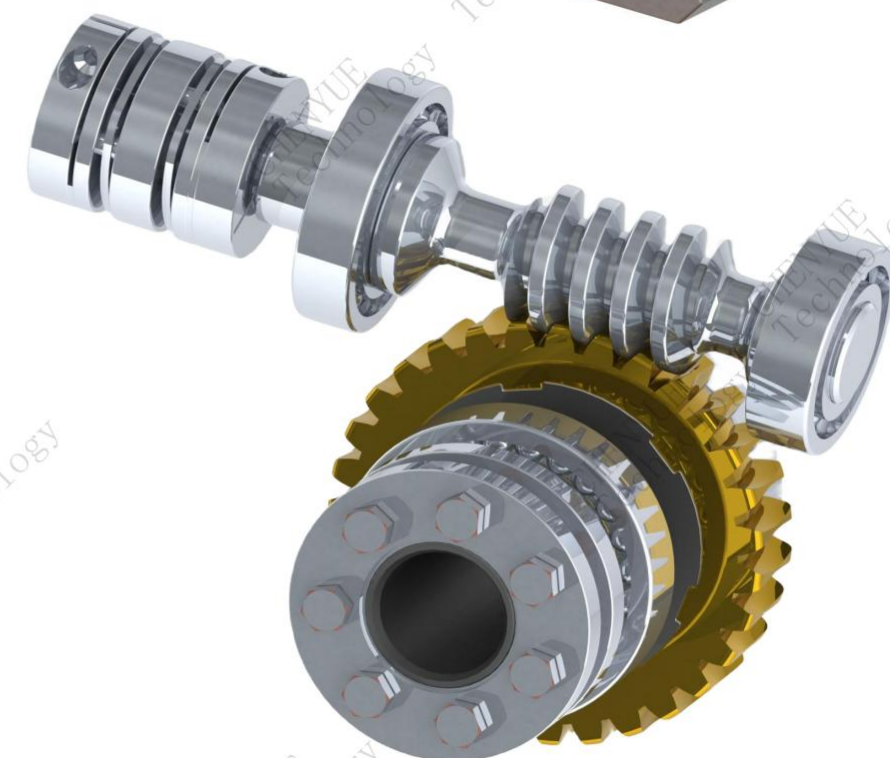
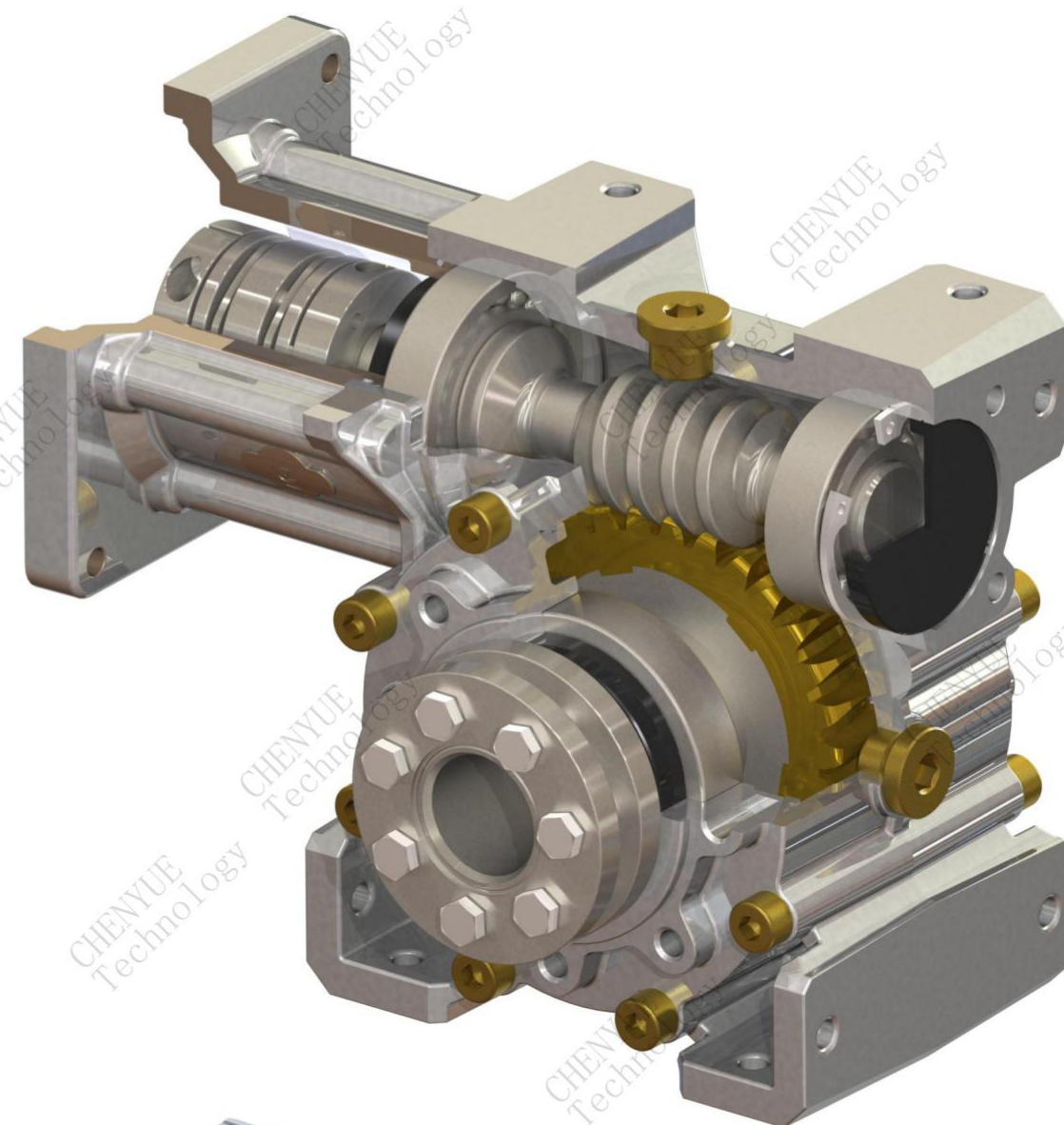
CYVF



CYRV



CYRW





简介

公司六大系列CYRV、CYVF、CYRW、CYWF、CYCM、CYPC，包含2000多种产品，其中CYCM系列专为伺服电机配套设计（C1、C2、CR、2C、ASL、ASR、HIHO）覆盖全行业。采用正交高精度蜗轮蜗杆，背隙可调至0.5-2弧分，实现传动精度倍增。选用优质锡青铜材料，内置全合成润滑油，具有体积小、效率高、噪音低、温升低、免维护等特点。

公司将以技术持续创新引领传动行业，秉承“坚守产品安全、环保、优质，超越客户期待”的原则，我们珍视与社会、客户、股东、合作伙伴以及共事员工的信赖关系，持续创造人们生活中不可或缺的价值。

我们坚信“始终追求更高品质，不断推动变革创新”的决心，贯彻产业人之本分、企业家之社会责任，合作共赢共同开拓“更美好的未来”。



Introduction

The company's six series, CYRV, CYVF, CYRW, CYWF, CYCM, CYPC, including more than 2,000 kinds of products, of which the CYCM series is specially designed for servo motors (C1, C2, CR, 2C, ASL, ASR, HIHO) covering the whole industry. Adopting orthogonal high precision worm wheel and worm shaft, the backlash can be adjusted to 0.5-2 arc minutes, realizing the multiplication of transmission precision. Selection of high quality tin bronze material, built-in fully synthetic lubricant, with small size, high efficiency, low noise, low temperature rise, maintenance-free and other characteristics.

The company will continue to lead the transmission industry with continuous technological innovation, adhering to the principle of "adhering to product safety, environmental protection, high quality, beyond customer expectations". We value the relationship of trust with the community, customers, shareholders, partners, and co-workers, will continue to create indispensable value in people's lives.

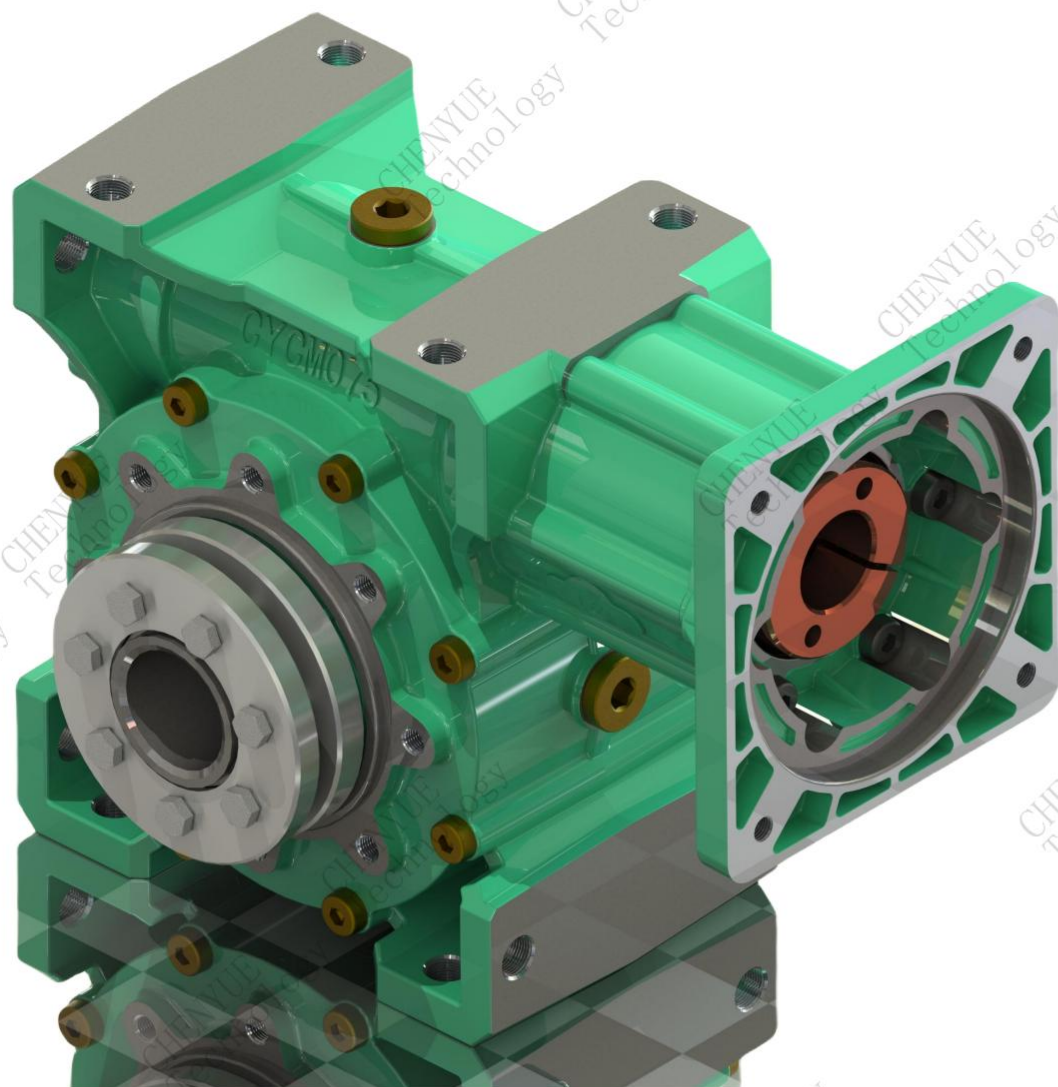
We firmly believe in the determination of "always pursuing higher quality, constantly promoting change and innovation", and we will carry out our responsibilities as industrialists and entrepreneurs, and jointly develop a better future through win-win cooperation.





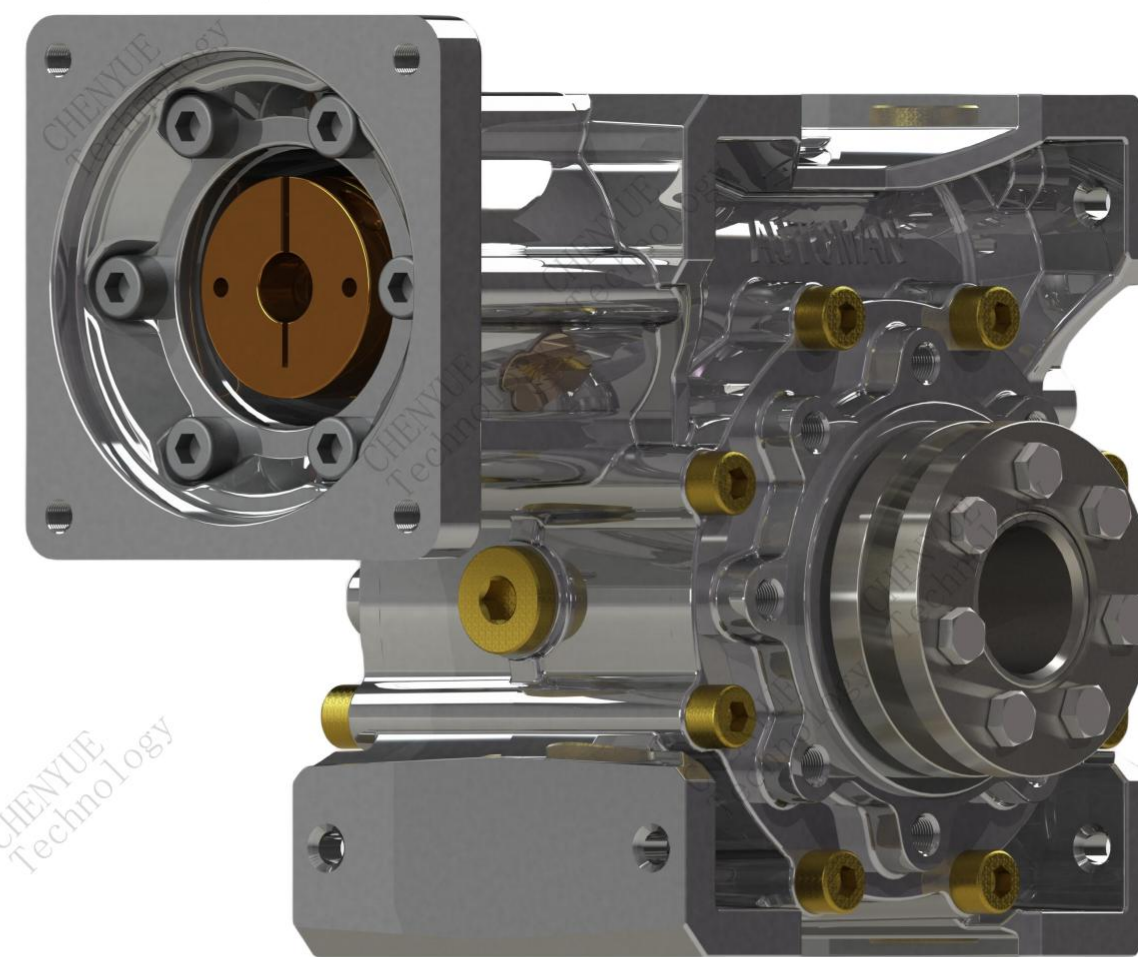
CYCM 产品介绍

该系列减速机专为精准重复定位、精密分度等智能工控领域设计。该系列减速机采用优质的蜗轮、蜗杆材料，内置全合成润滑油，输入采用联轴器联接，输出采用胀紧套、孔、轴等多种形式。具有体积小、效率高、噪音低、温升低、节能高效、全密封免维护等特点。背隙可调整至0.5-2弧分，广泛应用于航空航天、机器人、芯片半导体等高端行业。可根据客户需求特殊定制。



CYCM Product Introduction

This series of worm gearbox is designed for accurate repetitive positioning, precision indexing and other intelligent industrial control fields. This series of worm gearbox adopts high quality worm wheel and worm shaft, built-in full synthetic lubricant, input coupling, output expansion sleeve, hole, shaft and other forms. It is characterized by small size, high efficiency, low noise, low temperature rise, energy saving, full sealing and maintenance free. The backlash can be adjusted to 0.5-2 arc minutes and is widely used in aerospace, robotics, chip semiconductor and other high-end industries. It can be specially customized according to customers' needs.





CYCM特点

蜗轮回转背隙可以调整到小于 1 弧分；

减速器使用后可以重新调整间隙；

输入用联轴器联接：可靠无间隙；

输出用胀紧套联接：可靠无间隙。

CYCM使用场合

高精度回转运动

减少由负载变动及切削力变化等引起的震动及噪音；

减少由正反转引起的冲击及噪音；

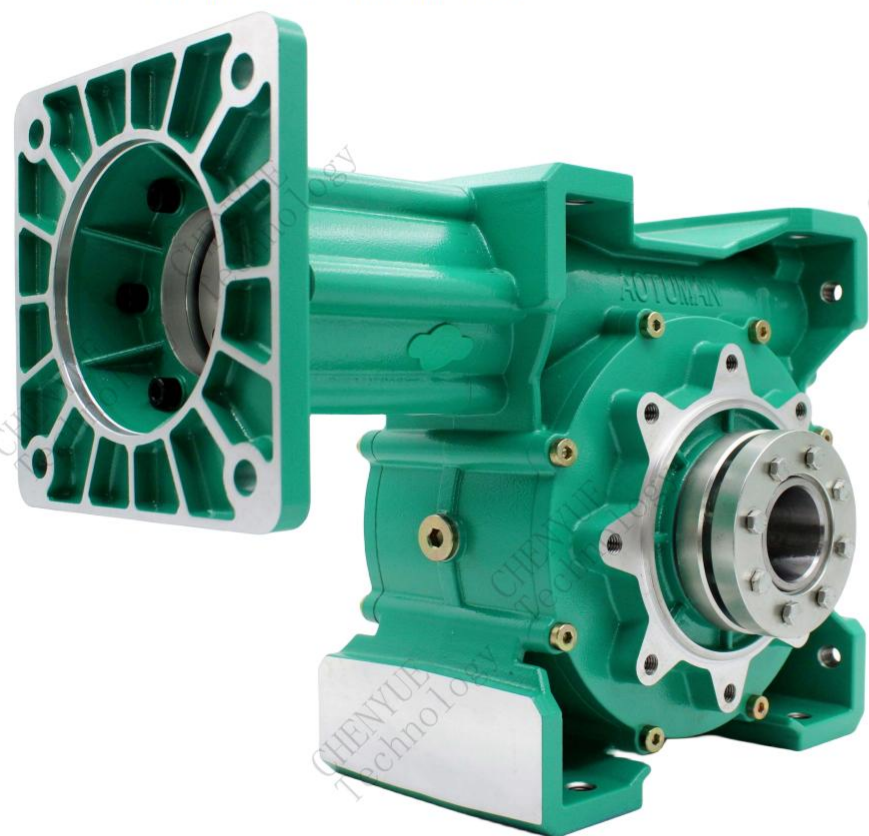
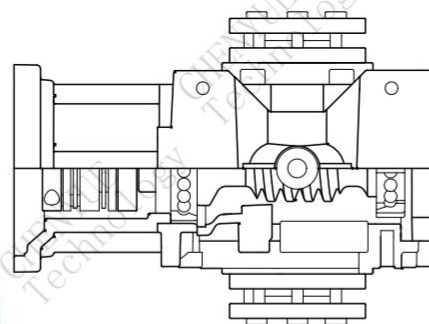
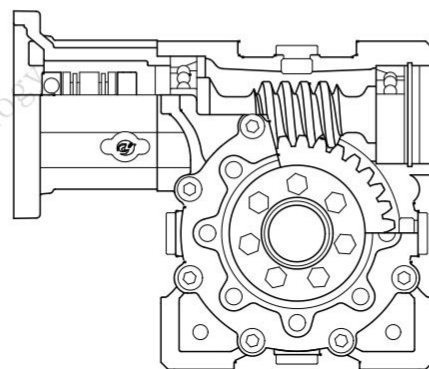
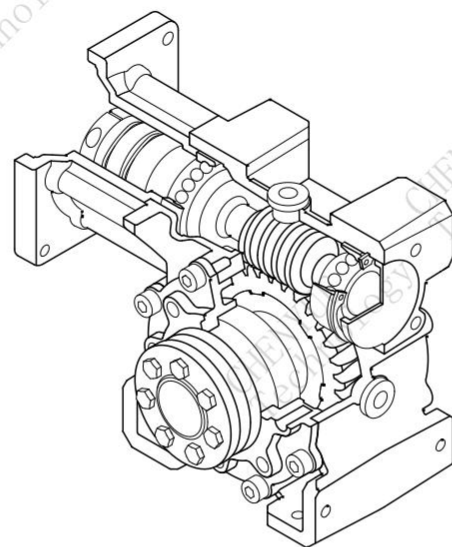
减少由以上引起的蜗轮加剧磨损；

增加蜗轮输出的响应速度。

精密分度装置

数控机床、流水线、切割机、输送线等分度装置、

读数机构等要求运动准确的场合。



CYCM FEATURES

Worm wheel rotary backlash can be adjusted to less than 1 arc minute;

The backlash can be readjusted after the worm gearbox has been used;

Input coupling with coupling: reliable and without backlash;

Output coupling with expansion sleeve: reliable and without backlash.

CYCM APPLICATIONS

High precision rotary motion

Reduction of vibration and noise caused by load variation and cutting force variation;

Reduction of shock and noise caused by forward and reverse rotation;

Reduction of increased wear of the worm wheel caused by the above;

Increase the response speed of worm wheel output.

Precision indexing devices

CNC machine tools, assembly lines, cutting machines, conveyor lines, and other indexing devices, reading mechanisms, and other occasions that require accurate movement.





选型步骤

1.0 扭矩

1.1 额定输出扭矩 $Mn2[Nm]$

扭矩作用于连续平稳运转的减速机且在工作系数 $fs=1$ 的情况下测出的数值。

1.2 需求的扭矩 $Mr2[Nm]$

基于实际所需，数值等于或小于减速器的额定扭矩 $Mn2$ 。

1.3 计算的输出扭矩 $Mc2[Nm]$

在选择减速机时有用。它要考虑实际需求的扭矩 $Mr2$ 以及工作系数 fs ，由

以下关系式计算出：

$$Mc2=Mr2 \cdot fs \leq Mn2$$

2.0 功率

2.1 额定输入功率 $Pn1[kw]$

减速机安全运转时的功率(kW)值，列于参数表中。它是在速度等于 $n1$ ，且

工作系数 $fs=1$ 的情况下得出的。

2.2 额定输出功率 $Pn2[kw]$

减速器的输出功率值，可以用下面的公式计算：

$$Pn2=Pn1 \cdot \eta_d \quad Pn2 = \frac{Mn2 \times n2}{9550}$$

SELECTION STEPS

1.0 TORQUE

1.1 $Mn2[Nm]$ Rated output torque

The torque is applied to a continuously and smoothly running worm gearbox and is measured with the service factor $fs=1$.

1.2 $Mr2[Nm]$ Required torque

The value is equal to or less than the rated torque of the worm gearbox $Mn2$, depending on the actual requirements.

1.3 $Mc2[Nm]$ Calculated output torque

It is useful in the selection of the worm gearbox. It takes into account the actual torque required $Mr2$ and the service factor fs , which is calculated from the following relation:

$$Mc2=Mr2 \cdot fs \leq Mn2$$

2.0 POWER

2.1 $Pn1[kW]$ Rated input power

The value of power (kW) for safe operation of the worm gearbox is given in the table of parameters. It is derived for speeds equal to $n1$ and service factor $fs=1$.

2.2 $Pn2[kW]$ Rated output power

The value of the output power of the worm gearbox can be calculated using the following formula:

$$Pn2=Pn1 \cdot \eta_d \quad Pn2 = \frac{Mn2 \times n2}{9550}$$





3.0 效率

效率是影响某些应用的主要因素,它的值基本由齿轮副设计的参数决定。

在性能参数表上记录了动态效率值。

注意这些值只适用于磨合完成的在工作温度下运转的减速箱

3.1 动态效率 $[\eta_d]$

动态效率和输出功率 P_2 : 以及输入功率 P_1 的关系

$$\eta_d = \frac{P_2}{P_1}$$

3.2 静态效率 $[\eta_s]$

静态效率是指减速器刚启动时的效率。

虽然对连续传动没有实际的意义,但在选择断续传动的减速器时却十分重要。

4.0 工作系数

减速器的工作系数 (f_s) 主要取决于减速器的运行条件, 为了选择最合适的工作环境系数进行正确的组合, 必须考虑如下因素:

1. 减速器的负载形式: A-B-C

2. 工作时间: 小时/天 (Δ)

3. 开机频率: 次/小时 (*)

负载类型:

A-均衡负荷, $f_a < 0.3$

B-中等冲击, $f_a < 3$

C-严重冲击, $f_a < 10$

$$f_a = J_e / J_m$$

- J_e (kg. m²) 在驱动轴上衰减的惯性矩

- J_m (kg. m²) 电机惯性矩

-如果 $f_a > 10$ 时请与技术服务部联系

A-轻质材料螺旋输送机, 风扇, 装配线, 轻质材料皮带输送机, 小型搅拌机, 提升机, 清洁机, 灌装机, 控制器。



3.0 EFFICIENCY

Efficiency is the main factor affecting certain applications, and it's value is basically determined by the parameters of the gear pair design.

Dynamic efficiency values were recorded on the performance parameter table.

Note that these values only apply to gearboxes operating at operating temperatures after break-in has been completed.

3.1 $[\eta_d]$ Dynamic efficiency

Dynamic efficiency: relationship between output power P_2 and input power P_1 .

$$\eta_d = \frac{P_2}{P_1}$$

3.2 $[\eta_s]$ Static efficiency

It points the efficiency of the worm gearbox when it is first started. Although it's no practical significance for continuous drives, it is important in the selection of reducers for intermittent drives.

4.0 SERVICE FACTOR

The service factor (f_s) of the worm gearbox depends mainly on the operating conditions of the worm gearbox. In order to select the most suitable operating environment coefficient for the correct combination, the following factors must be considered:

1. Load form of the worm gearbox: A

-B-C

2. Working hours: hours/day (Δ)

3. Start-up frequency: times/hour (*)

Load type:

A-Balanced load, $f_a < 0.3$ - J_e (kg. m²) Moment of inertia reduced at the drive shaft

B-Medium impact, $f_a < 3$ - J_m (kg. m²) Motor moment of inertia

C-Severe shock, $f_a < 10$ -If $f_a > 10$, please contact the Technical Service Department.

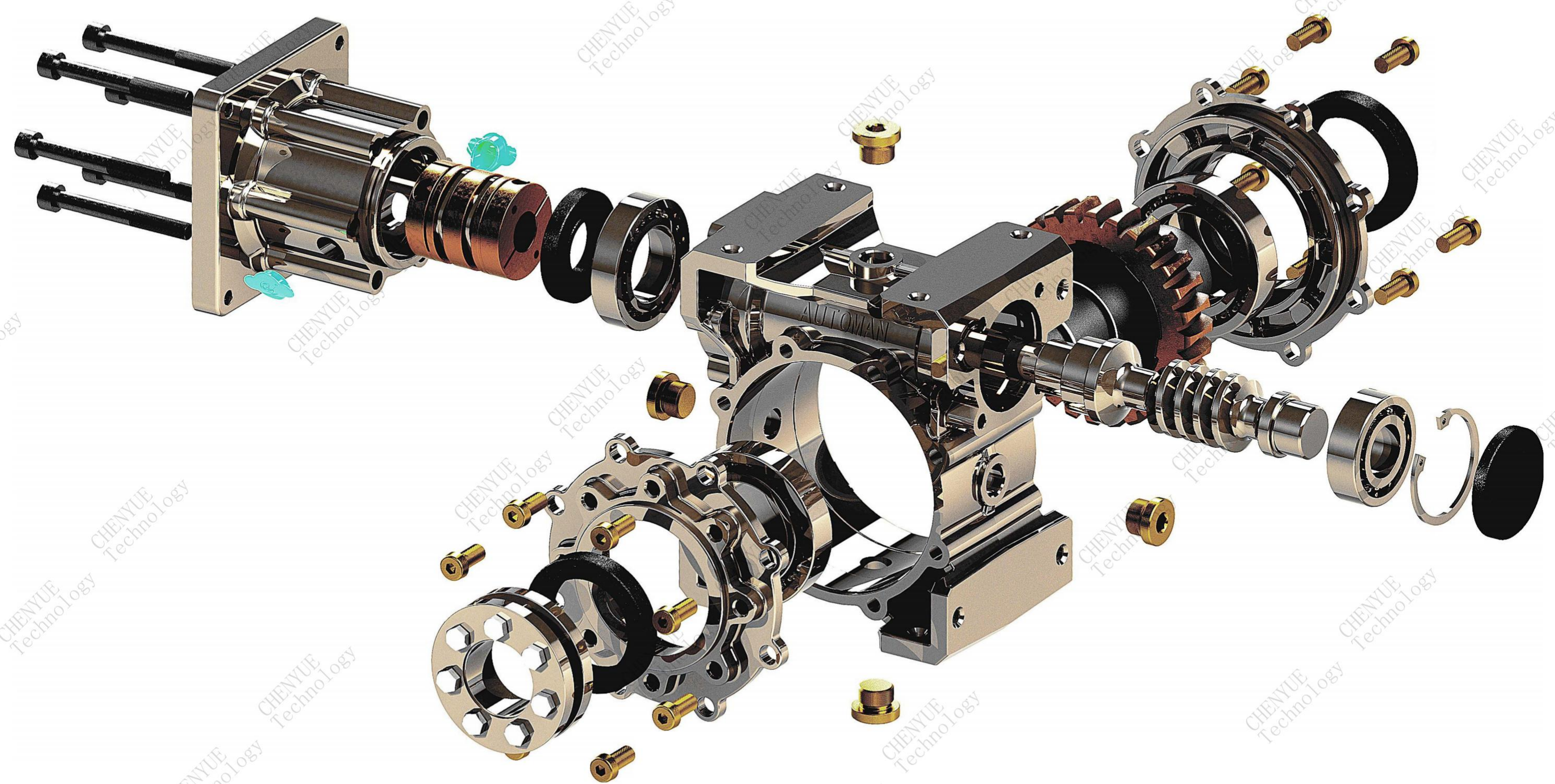
A - Light material screw conveyors, fans, assembly lines, light material belt conveyors, small mixers, elevators, cleaning machines, filling machines, controllers.





CYCM 结构分解图

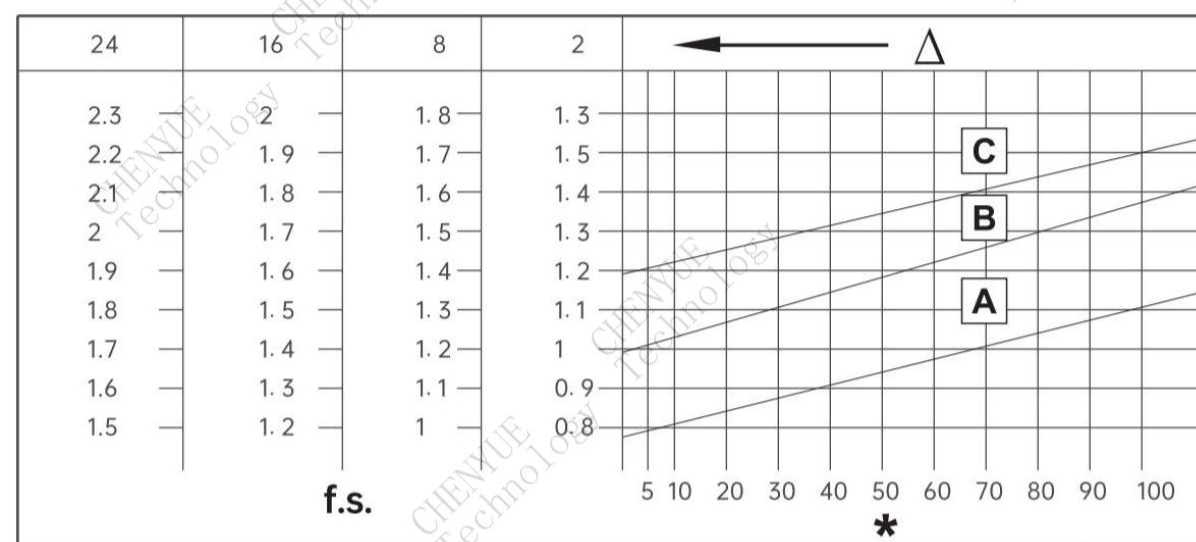
CYCM Structure Decomposition Diagram





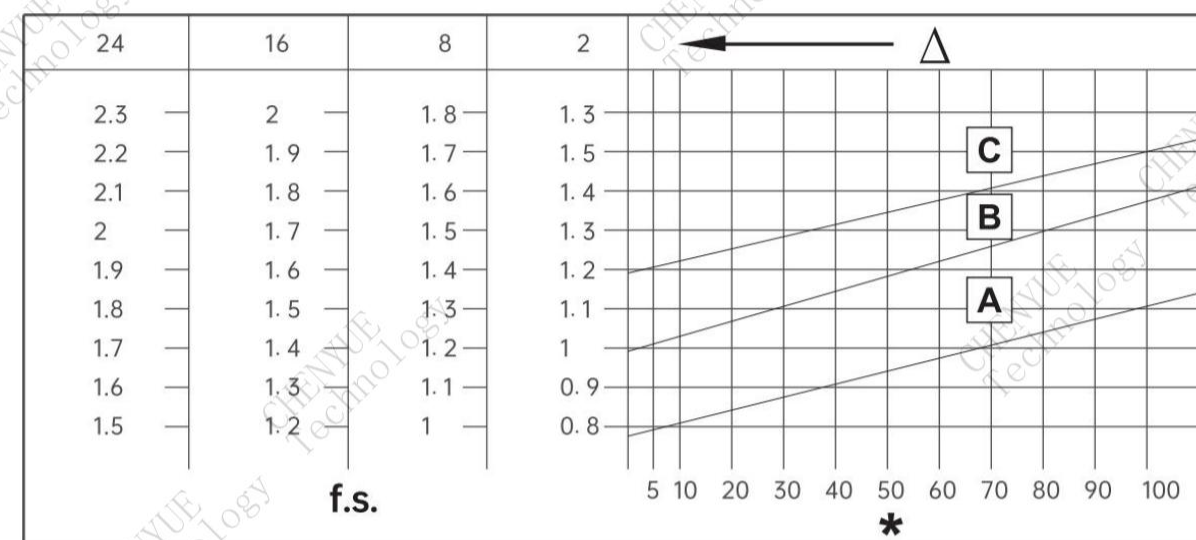
B-卷绕装置, 木工机械, 货物提升机, 平衡器, 螺纹机, 介质搅拌机, 重型材料皮带输送机, 绞盘, 移动门, 刮机, 包装机, 混凝土搅拌机起重机, 磨割机, 卷板机, 齿轮泵。

C-重型材料搅拌机, 剪切机, 压力机, 离心机, 旋转支撑, 重型材料绞盘和提升机, 磨床, 石材, 升降机, 钻孔机, 锤式粉碎机, 凸轮压力机折叠机, 运输带, 翻斗车, 振动器, 撕碎机。



B - Winding devices, woodworking machines, goods hoists, balancers, threading machines, media mixers, belt conveyors for heavy materials, winches, moving doors, scrapers, packaging machines, concrete mixer cranes, grinding and cutting machines, plate rollers, gear pumps.

C - Heavy material mixers, shears, presses, centrifuges, rotary supports, heavy material winches and hoists, grinders, stones, elevators, drills, hammer mills, cam presses, folding machines, conveyor belts, dump trucks, vibrators, shredders.



5.0 启动/停止作业输出扭矩

5.1 额定加速扭矩 M_{n5} [Nm] (减速机在启动时所能承受的扭矩)

5.2 计算加速扭矩 M_{c5} [Nm]

$$M_{c5} = M_{n1} \cdot i \cdot \eta_d \cdot F_1 \cdot F_2 \leq M_{n5}$$

一个完整期内减速器的运转时间

	10%	30%	50%	70%	90%
F1	0.7	0.85	1	1.11	1.2

每小时启动的次数

	1000-2000	2000-3000	3000-5000	5000-10000
F2	1-1.35	1.35-1.45	1.45-1.6	1.6-1.9

5.0 START/STOP OPERATING OUTPUT TORQUE

5.1 Rated acceleration torque M_{n5} [Nm] (Torque that the worm gearbox can withstand at

startup) 5.2 Calculated acceleration torque M_{c5} [Nm]

$$M_{c5} = M_{n1} \cdot i \cdot \eta_d \cdot F_1 \cdot F_2 \leq M_{n5}$$

Operating time of the worm gearbox in one complete cycle

	10%	30%	50%	70%	90%
F1	0.7	0.85	1	1.11	1.2

Number of starts per hour

	1000-2000	2000-3000	3000-5000	5000-10000
F2	1-1.35	1.35-1.45	1.45-1.6	1.6-1.9



CHENYUE / AUTOMAN

MODEL: WORM GEARBOX—CM

输入方式 Input	型号 Model	规格 Specifications	减速比 Ratio	背隙 Backlash	双向输入 Two-way Input	输出法兰 Output Flange	输出 Output	配合动力源输入配置 Collaborate With SOP Input	安装方位 Mounting Orientation	颜色 Color	动力源 Source Of Power
CY	CM	040-30	P0-VS-FA	1-ASR	-SOP	-B3	-G	-1FK7042			
C		050 063 075 090 110	5 7.5 10 15 20 25 30 40 50 *60 *80	P1 P2		FB FC FC/1 FD FE FG FH	2	ASL AB C1 C2 2C CR HIHO	50*50 附样图 Diagrams 180*180 附样图 Diagrams	B6 B7 B8 V5 V6 附样图 Diagrams	C
CY: 法兰输入 Flange input C: 轴输入 Shaft input											
040/050/063/075/090/110 中心距 Center distance 蜗轮中心点至蜗杆中心线 Distance from worm wheel center point to worm shaft center line											
1: 右向输出 Right output 2: 左向输出 Left output											
根据客户要求配置接口。 Configure the interface according to customer needs.											
G: 绿色 Green C: 定制色 Customized											
ASR: 右向输出 Right output ASL: 左向输出 Left output AB: 双向输出 Two-way output C1/C2: 锁紧盘输出 Locking disc output (R/L) 2C: 双向锁紧盘输出 Two-way locking disc output CR: 键槽孔输出 Key slot hole output HIHO: 法兰孔入孔出 Hole in hole out											
动力源选项 Source Of Power Options 伺服马达 Servo motor 电马达 Electric motor 液马达 Hydraulic motor 气马达 Pneumatic motor 附样图 内燃机 Engine Diagrams											

提示 REMINDER

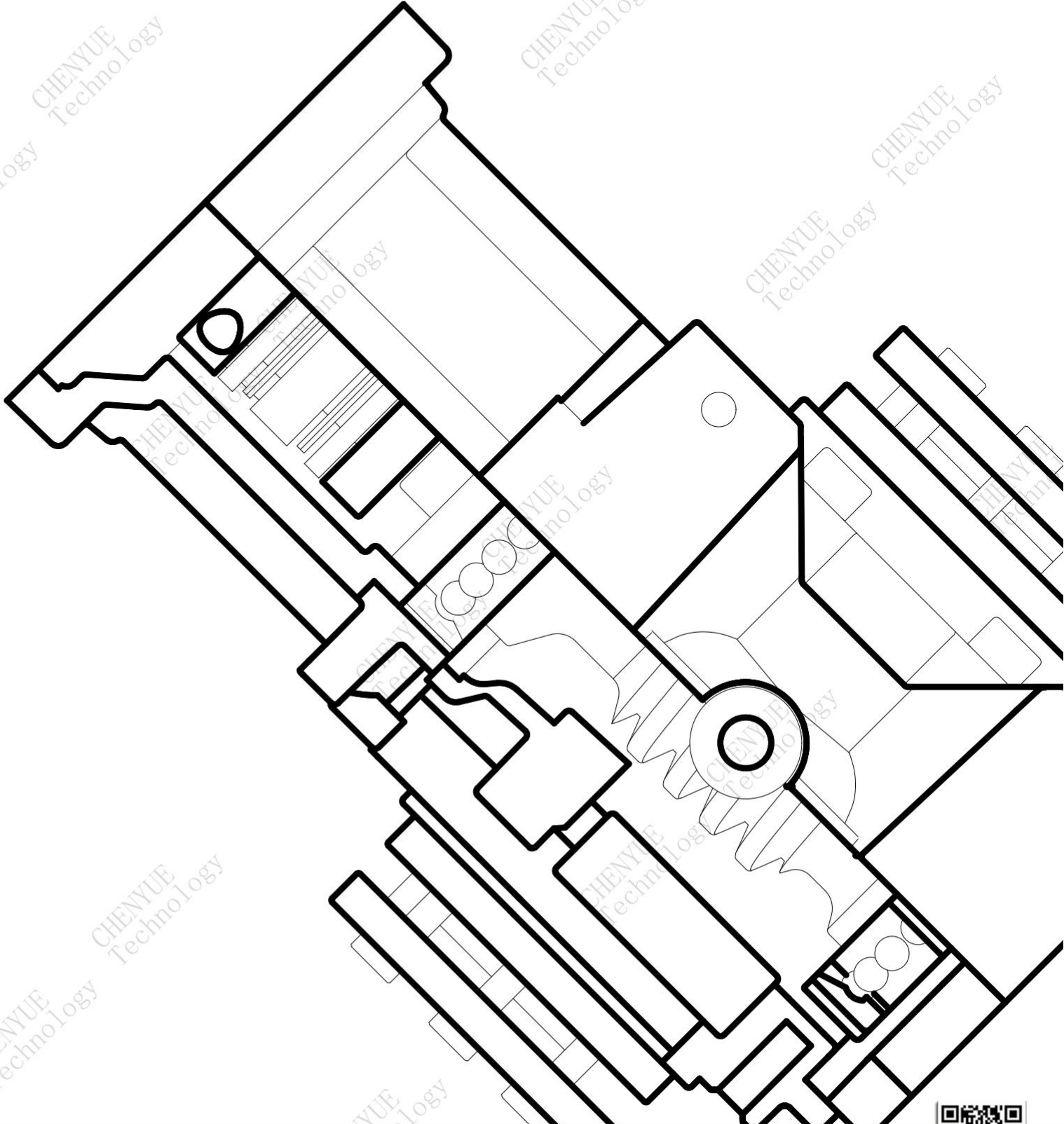
*标识模数小, 承载力低, 请谨慎选用。

*The logo modulus is small and the carrying capacity is low, please choose carefully.



参数符号对应表 SYMBOLS AND UNITS OF MEASURE

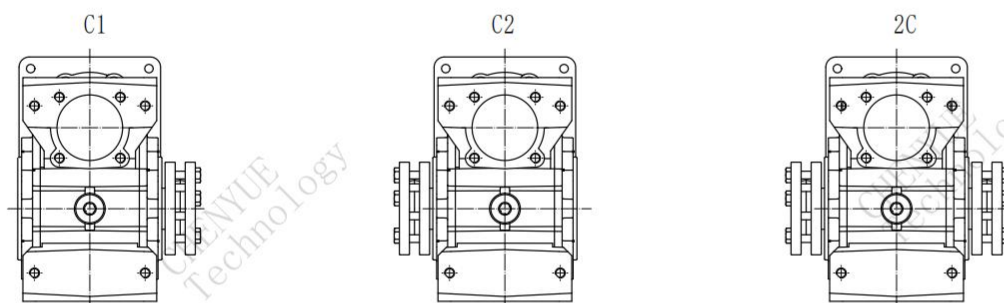
符号Symbols	单位Units	注解	Description
P	[kw]	功率	Power
P ₁	[kw]	输入功率	Input power
P ₂	[kw]	输出功率	Output power
P _{n1}	[kw]	额定输入功率	Rated input power
M _{n1}	Nm	电机额定扭矩	Motor rated torque
M ₂	Nm	输出扭矩	Output torque
M _{c2}	Nm	计算的输出扭矩	Calculated output torque
M _{n2}	Nm	额定输出扭矩	Rated output torque
M _{n5}	Nm	额定加速扭矩	Rated acceleration torque
M _{c5}	Nm	计算的加速扭矩	Calculated acceleration torque
M _{r2}	Nm	需求的扭矩	Required torque
n ₁	r/min	输入转速	Input speed
n ₂	r/min	输出转速	Output speed
i		减速比	Ratio
η _d		动态效率	Dynamic efficiency
η _s		静态效率	Static efficiency
Z ₁		蜗杆齿数	Number of worm thread
Mx		轴向模数	Axial modulus
fs		工作系数	Service factor
Je	kgm ²	在电机轴上衰减的惯性矩	Moment of inertia reduced at the drive shaft
Jm	kgm ²	电机惯性矩	Motor moment of inertia
F _{r1}	N	输入轴径向负荷	Input shaft radial load
F _{r2}	N	输出轴径向负荷	Output shaft radial load
F _{a2}	N	输出轴轴向负荷	Output shaft axial load
E-stop	Nm	输出急停扭矩 (最大时间限度2秒)	Output emergency stop torque (Maximum 2 seconds duration)
C1f	Nm	启动输入摩擦扭矩	Starting input friction torque
ig	kg·m ²	输入惯性矩	Input moment of inertia
ET	Nm/arcmin	输出抗扭刚度	Output torsional stiffness



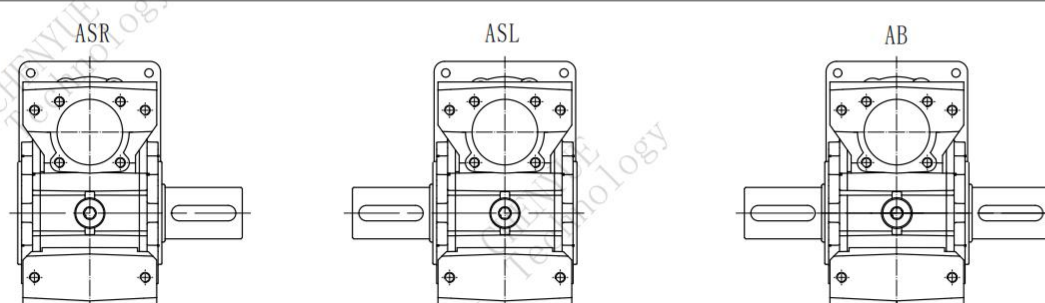


CYCM输出方式 CYCM OUTPUT METHOD

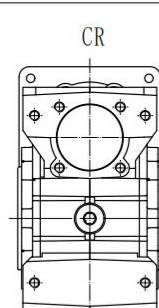
锁紧盘孔输出
Locking disc hole output



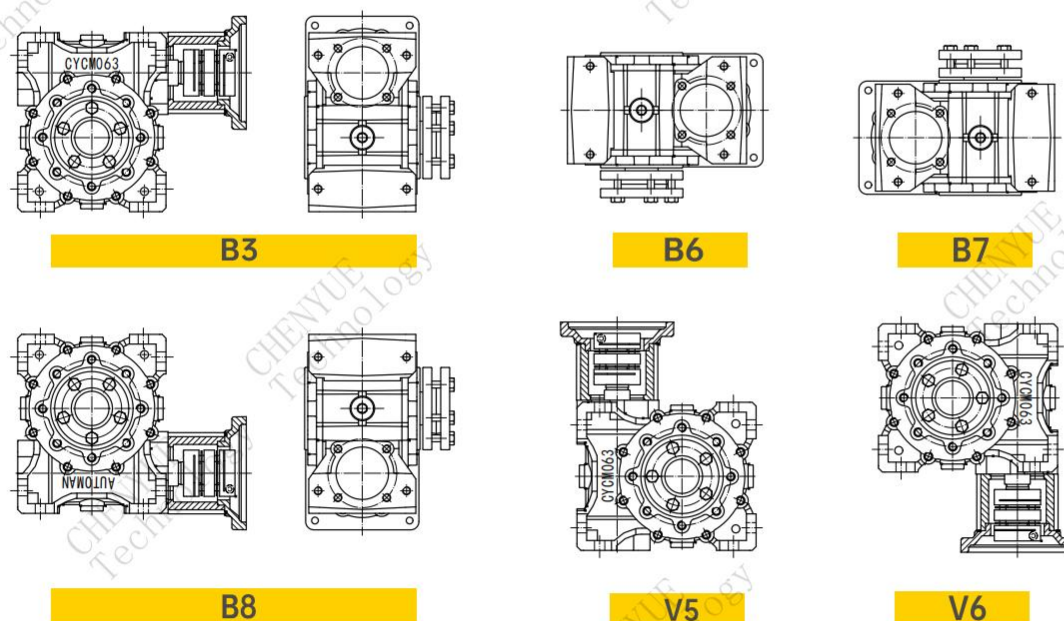
键槽轴输出
Key slot shaft output



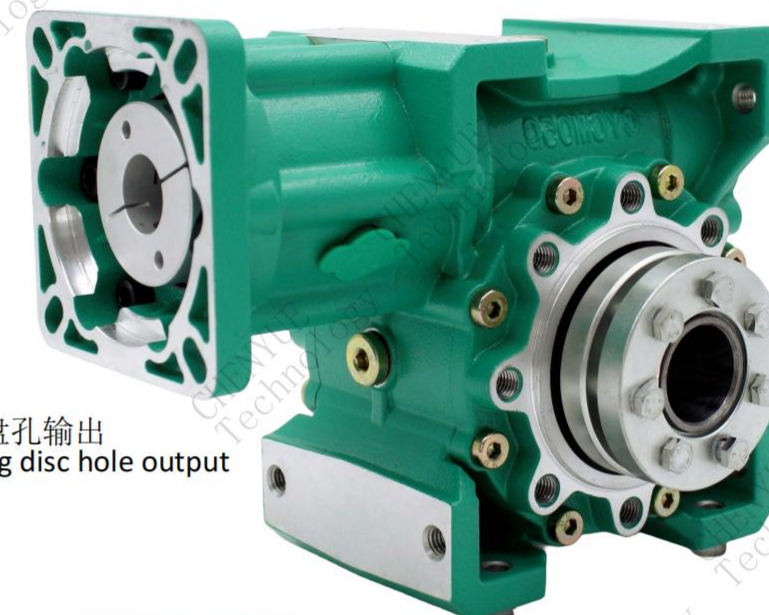
键槽孔输出
Key slot hole output



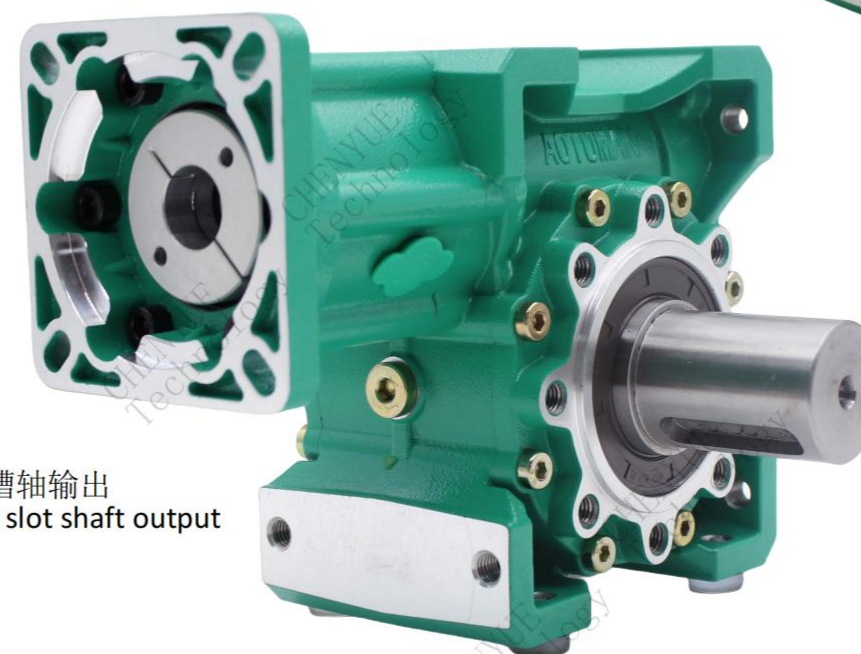
CYCM安装方位 CYCM MOUNTING ORIENTATION



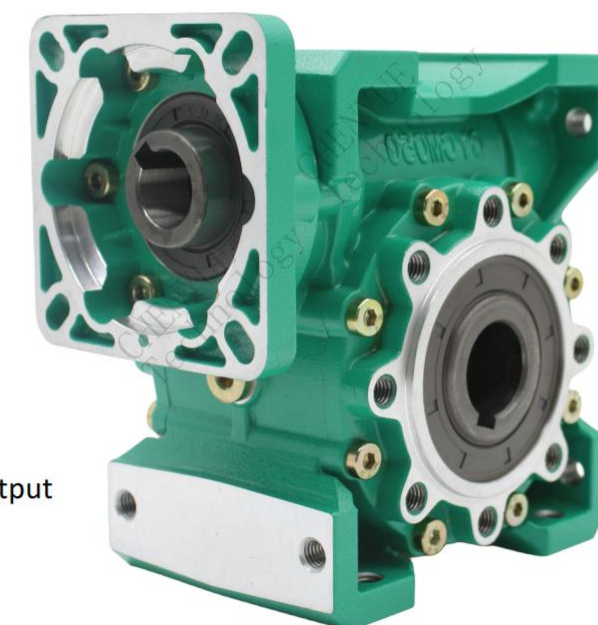
锁紧盘孔输出
Locking disc hole output



键槽轴输出
Key slot shaft output



键槽孔输出
Key slot hole output





CYCM性能参数 CYCM PERFORMANCE PARAMETERS

n1(r/min)		3000			1500			1000		
型号/TYPE	i	n ₂ (r/min)	η _d	M2 (Nm)	n ₂ (r/min)	η _d	M2 (Nm)	n ₂ (r/min)	η _d	M2 (Nm)
CYCM040	5	600	0.93	28	280.0	0.89	34	180.0	0.86	40
	7.5	400	0.92	33	186.7	0.87	40	120.0	0.84	43
	10	300	0.91	35	140.0	0.85	40	90.0	0.79	44
	15	200	0.87	34	93.3	0.82	40	60.0	0.74	45
	20	150	0.86	33	70.0	0.78	39	45.0	0.71	44
	25	120	0.81	32	56.0	0.75	38	36.0	0.68	43
	30	100	0.78	39	46.7	0.7	45	30.0	0.63	49
	40	75	0.74	36	35.0	0.65	41	22.5	0.58	45
	50	60	0.71	34	28.0	0.62	39	18.0	0.55	42
	60	50	0.68	32	23.3	0.58	36	15.0	0.51	39
	80	37.5	0.64	29	17.5	0.52	33	11.3	0.45	35
CYCM050	5	600	0.94	51	280.0	0.89	62	180.0	0.87	75
	7.5	400	0.92	60	186.7	0.88	71	120.0	0.82	80
	10	300	0.89	62	140.0	0.86	72	90.0	0.79	82
	15	200	0.87	64	93.3	0.82	74	60.0	0.74	84
	20	150	0.85	63	70.0	0.79	73	45.0	0.71	77
	25	120	0.81	60	56.0	0.76	70	36.0	0.68	75
	30	100	0.77	73	46.7	0.72	84	30.0	0.64	90
	40	75	0.7	67	35.0	0.67	76	22.5	0.59	82
	50	60	0.66	65	28.0	0.63	73	18.0	0.55	77
	60	50	0.62	60	23.3	0.59	68	15.0	0.51	72
	80	37.5	0.6	57	17.5	0.53	65	11.3	0.45	68
CYCM063	5	600	0.95	104	280.0	0.89	125	180.0	0.86	148
	7.5	400	0.96	105	186.7	0.88	128	120.0	0.85	151
	10	300	0.93	109	140.0	0.87	130	90.0	0.82	153
	15	200	0.9	120	96.6	0.83	140	62.1	0.76	155
	20	150	0.88	117	70.0	0.81	135	45.0	0.74	148
	25	120	0.82	113	56.0	0.78	130	36.0	0.71	137
	30	100	0.78	139	46.7	0.74	160	30.0	0.67	175
	40	75	0.74	126	35.0	0.7	145	22.5	0.63	160
	50	60	0.7	119	28.0	0.66	135	18.0	0.59	145
	60	50	0.68	115	23.3	0.62	130	15.0	0.56	138
	80	37.5	0.67	108	17.5	0.57	122	11.3	0.5	128

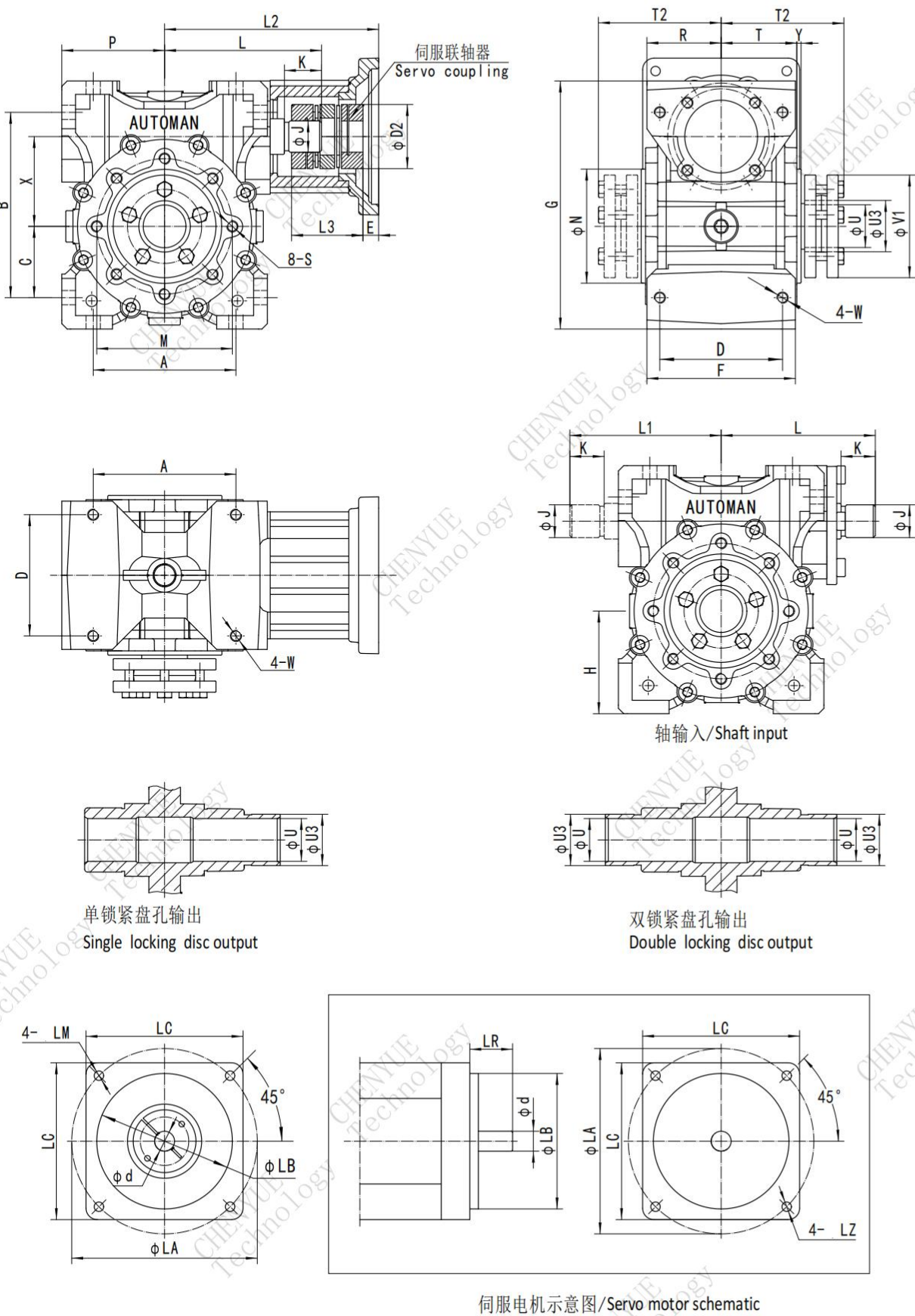
CYCM性能参数 CYCM PERFORMANCE PARAMETERS

n1(r/min)		3000			1500			1000		
型号/TYPE	i	n ₂ (r/min)	η _d	M2 (Nm)	n ₂ (r/min)	η _d	M2 (Nm)	n ₂ (r/min)	η _d	M2 (Nm)
CYCM075	5	600	0.94	150	280.0	0.9	180	180.0	0.86	205
	7.5	400	0.93	152	186.7	0.89	185	120.0	0.83	215
	10	300	0.92	161	140.0	0.88	195	90.0	0.8	230
	15	200	0.88	167	93.3	0.85	200	60.0	0.78	235
	20	150	0.87	179	70.0	0.82	210	45.0	0.75	228
	25	120	0.82	169	56.0	0.8	200	36.0	0.73	215
	30	100	0.82	197	46.7	0.76	230	30.0	0.69	260
	40	75	0.74	186	35.0	0.72	220	22.5	0.65	240
	50	60	0.71	178	28.0	0.7	210	18.0	0.62	220
	60	50	0.69	176	23.3	0.65	200	15.0	0.58	210
	80	37.5	0.63	167	17.5	0.6	190	11.3	0.53	200
CYCM090	5	600	0.95	232	280.0	0.91	280	180.0	0.88	320
	7.5	400	0.94	238	186.7	0.9	290	120.0	0.87	340
	10	300	0.93	254	140.0	0.89	310	90.0	0.85	370
	15	200	0.9	297	93.3	0.86	360	60.0	0.79	420
	20	150	0.88	302	70.0	0.84	355	45.0	0.77	390
	25	120	0.86	290	56.0	0.82	340	36.0	0.75	370
	30	100	0.82	350	46.7	0.78	410	30.0	0.71	460
	40	75	0.77	311	35.0	0.75	360	22.5	0.68	410
	50	60	0.74	297	28.0	0.72	340	18.0	0.65	390
	60	50	0.72	283	23.3	0.69	320	15.0	0.62	350
	80	37.5	0.69	254	17.5	0.63	285	11.3	0.56	315
CYCM110	5	600	0.95	380	280.0	0.91	465	180.0	0.88	540
	7.5	400	0.93	395	186.7	0.9	485	120.0	0.87	565
	10	300	0.93	425	140.0	0.89	520	90.0	0.84	620
	15	200	0.91	470	93.3	0.86	570	60.0	0.82	660
	20	150	0.9	468	70.0	0.85	560	45.0	0.8	650
	25	120	0.88	497	56.0	0.84	590	36.0	0.78	640
	30	100	0.85	534	46.7	0.79	630	30.0	0.74	730
	40	75	0.82	522	35.0	0.78	610	22.5	0.71	690
	50	60	0.78	519	28.0	0.75	600	18.0	0.69	680
	60	50	0.75	492	23.3	0.72	560	15.0	0.67	620
	80	37.5	0.73	437	17.5	0.67	490	11.3	0.62	540





CYCM系列尺寸图 CYCM SERIES DIMENSION CHART

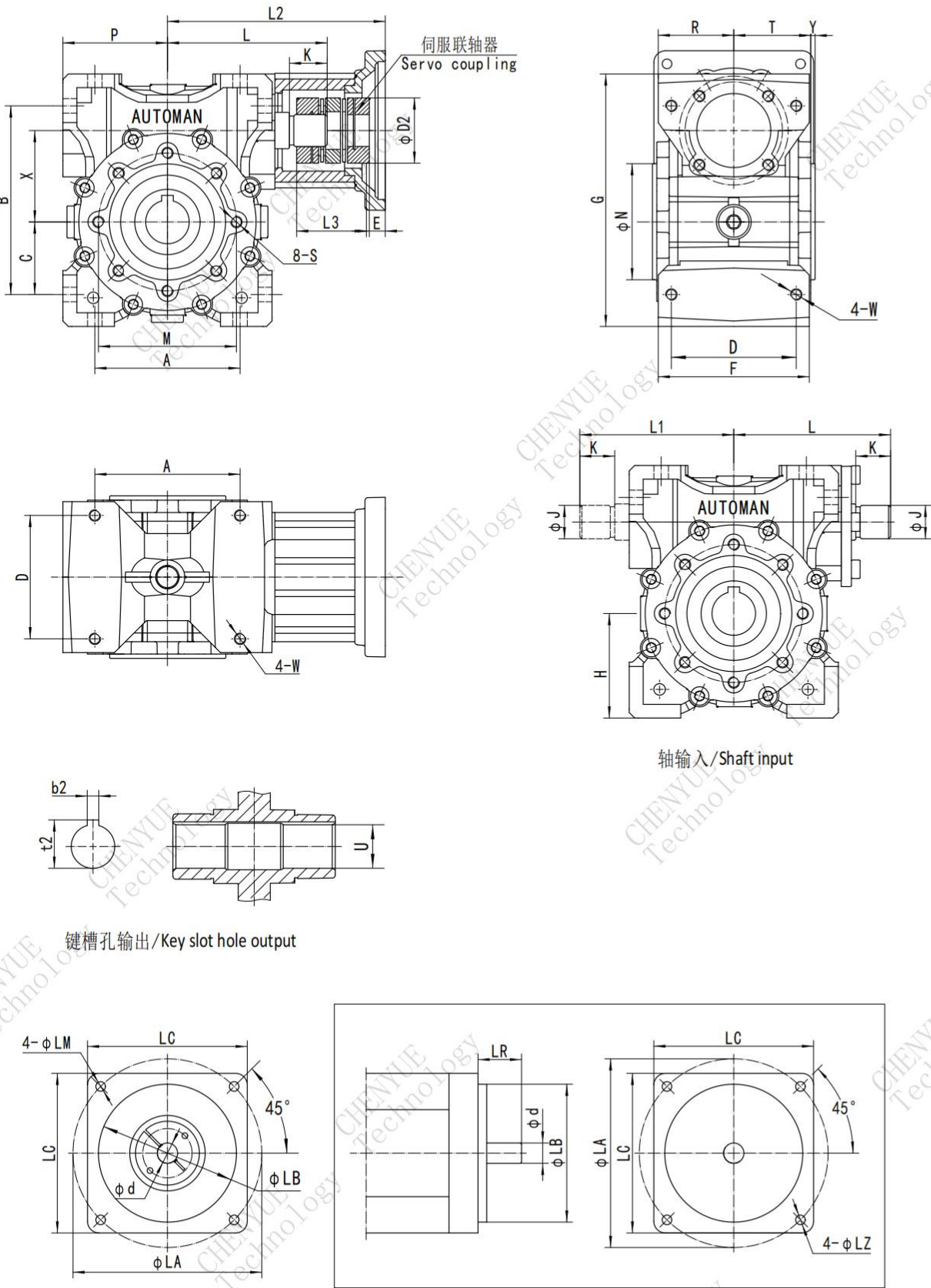


	040	050	063	075	090	110
A	70	80	100	120	140	170
B	90	104	130	153	172	210
C	35	40	50	60	70	85
D	60	70	85	90	100	115
D2	40	45	50	56	56	68
E	5	5	6	6	6	6
F	71	85	103	112	130	144
G	121.5	144	174	205	238	295
H	50	60	72	86	103	127.5
J(h6)	14	19	22	28	28	32
K	20	20	25	30	30	35
L	79	89	109	129	146	172
L1	73	84	100	120	138	170
L2	81+LR (≥116)	91+LR (≥126)	112+LR (≥146)	132+LR (≥170)	149+LR (≥188)	175+LR (≥220)
L3	50	50	55	64	64	74
M	75	85	95	115	130	165
N(h7)	60	70	80	95	110	130
P	50	60	72	86	103	127.5
R	35.5	42.5	51.5	56	65	72
S	M6	M8	M8	M8	M10	M10
T	36.5	43.5	53	57	67	74
T2	64.25	73.25	85.75	91.75	103.75	114.25
U(H7)	20	25	30	35	40	45
U3	24	30	36	44	50	55
V1	50	60	72	80	90	100
W	M6	M8	M8	M10	M12	M12
X	40	50	63	75	90	110
Y	2.5	2.5	3	3	3	3.5
LA/LB/LC/LR/LM/d 按伺服电机/By servo motor						





CYCM系列尺寸图 CYCM SERIES DIMENSION CHART



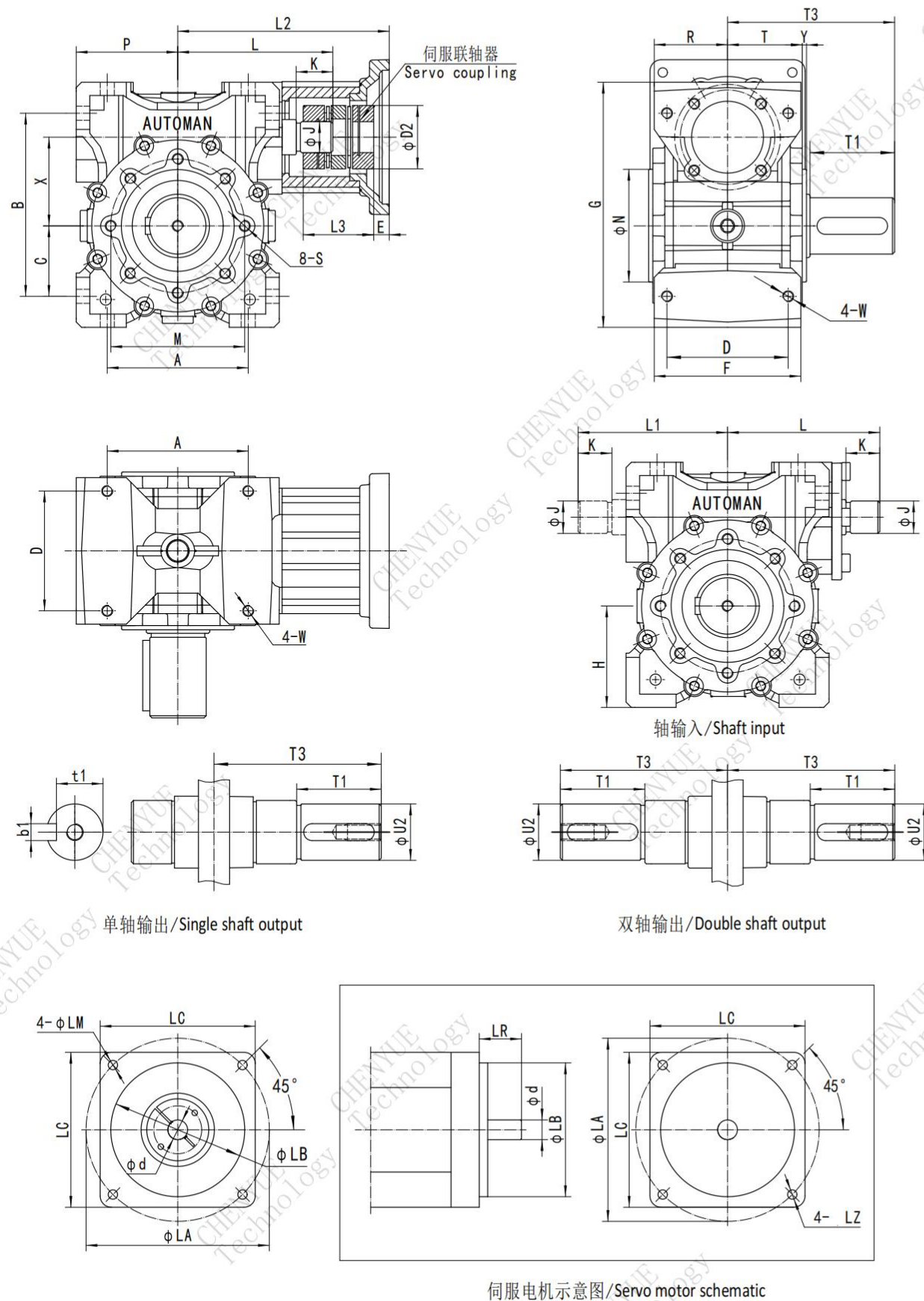
伺服电机示意图/Servo motor schematic

	040	050	063	075	090	110
A	70	80	100	120	140	170
B	90	104	130	153	172	210
C	35	40	50	60	70	85
D	60	70	85	90	100	115
D2	40	45	50	56	56	68
E	5	5	6	6	6	6
F	71	85	103	112	130	144
G	121.5	144	174	205	238	295
H	50	60	72	86	103	127.5
J(h6)	14	19	22	28	28	32
K	20	20	25	30	30	35
L	79	89	109	129	146	172
L1	73	84	100	120	138	170
L2	81+LR (≥116)	91+LR (≥126)	112+LR (≥146)	132+LR (≥170)	149+LR (≥188)	175+LR (≥220)
L3	50	50	55	64	64	74
M	75	85	95	115	130	165
N(h7)	60	70	80	95	110	130
P	50	60	72	86	103	127.5
R	35.5	42.5	51.5	56	65	72
S	M6	M8	M8	M8	M10	M10
T	36.5	43.5	53	57	67	74
U(H7)	20	25	30	35	40	45
W	M6	M8	M8	M10	M12	M12
X	40	50	63	75	90	110
Y	2.5	2.5	3	3	3	3.5
t2	22.8	28.3	33.3	38.3	43.3	48.8
b2	6	8	8	10	12	14
LA/LB/LC/LR/LM/d 按伺服电机/By servo motor						





CYCM系列尺寸图 CYCM SERIES DIMENSION CHART



	040	050	063	075	090	110
A	70	80	100	120	140	170
B	90	104	130	153	172	210
C	35	40	50	60	70	85
D	60	70	85	90	100	115
D2	40	45	50	56	56	68
E	5	5	6	6	6	6
F	71	85	103	112	130	144
G	121.5	144	174	205	238	295
H	50	60	72	86	103	127.5
J(h6)	14	19	22	28	28	32
K	20	20	25	30	30	35
L	79	89	109	129	146	172
L1	73	84	100	120	138	170
L2	81+LR (≥116)	91+LR (≥126)	112+LR (≥146)	132+LR (≥170)	149+LR (≥188)	175+LR (≥220)
L3	50	50	55	64	64	74
M	75	85	95	115	130	165
N(h7)	60	70	80	95	110	130
P(max)	50	60	72	86	103	127.5
R	35.5	42.5	51.5	56	65	72
S	M6	M8	M8	M8	M10	M10
T	36.5	43.5	53	57	67	74
T1	40	50	60	70	80	80
T3	82	99	119	133	153	160.5
U2	25	35	40	45	50	55
W	M6	M8	M8	M10	M12	M12
X	40	50	63	75	90	110
Y	2.5	2.5	3	3	3	3.5
t1	21	30	35	39.5	44.5	49
b1	8	10	12	14	14	16
LA/LB/LC/LR/LM/d 按伺服电机/By servo motor						