

MADE IN TAIWAN

VARITRON[®]
Take Control In Speed

驅動科技系列產品
Power Transmission Technologies

台灣 **中國變速工程股份有限公司**

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POWER TRANSMISSION INDEX

Power: 0.2kW~132kW
Ratio: 1/6~1/658503

Cycloidal Drive Reducer

賽驅樂減速機

VARITRON unique cycloid gear design has advantages superior to common involute tooth gears system speed reducers. 67% of the reduction components are in contact at all times, reduction components operate in compression rather than shear, exceeding ratings of 500%, provide exceptional performance, reliability and long life in most severe applications.

賽驅樂減速機獨特擺線齒輪有卓越圓弧齒型設計,是漸開線齒輪無法超越的設計。多齒嚙合高達67%及超過500%的抗過載能力。獨特嚙合原理提供了更高的效率及減少滑動和振動現象,高效率及壽命長不在遙不可及



Backlash: 1ARCMIN
Ratio: 1/6~1/658503

RV Precision Cycloidal Gear

高精密擺線減速機



Continuous contact of cycloidal pin & gear teeth design provides high shock load capacity & very low backlash with force distributed throughout gearbox
擺線齒輪和針齒連續嚙合設計,實現較大衝擊負荷與小齒隙,負載均勻分散

- NABTESCO Interchange 納博特斯克替換
- Reliability, Long Service Life, Precision 可靠、精準、壽命長
- Widely use in Robot Arms, Welding, Medical, CNC Machines, Semiconductor
- 常用於機械手臂、定位轉盤、醫療機械、CNC第4,5軸,半導體機械

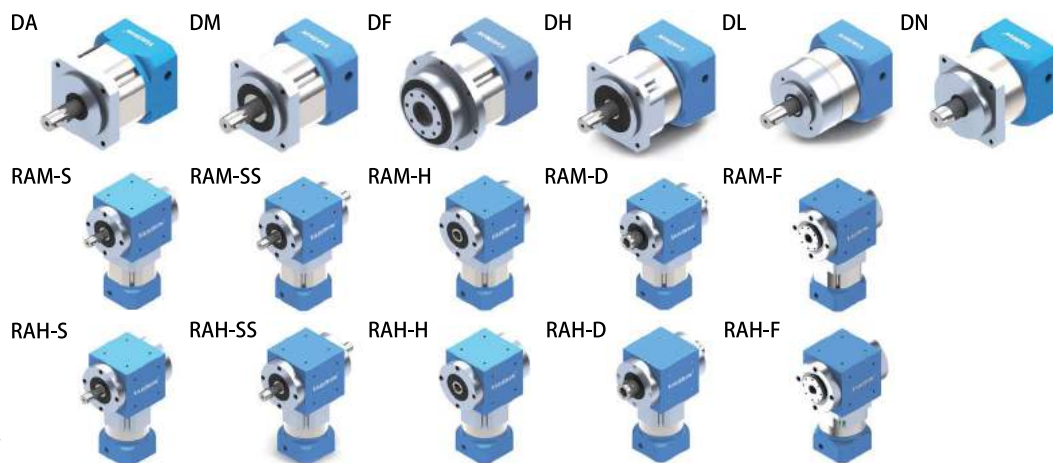
Power: 100W~11kW
Ratio: 1/3~1/1000
Backlash: 3 arcmin \leq

Precision Planetary Gearbox

精密行星減速機

Precision Planetary Gearbox is widely used in servo motor power-transmission. its low backlash enables motion control application machine design

精密行星減速機廣泛運用於伺服馬達傳動,其減速比範圍大及低背隙特性適用於定位機構。



Power: 0.2kW~125kW
Ratio: 1/3.48~1/7708

Planetary Gear Reducer

遊星式減速機



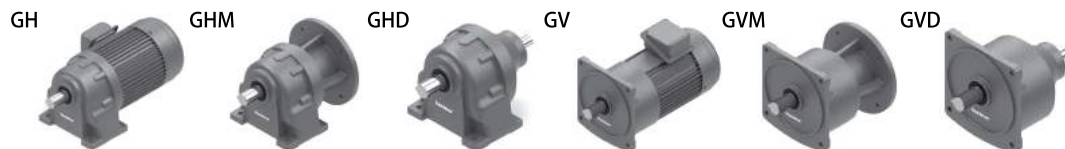
- High torque and impact resistance.
- Multiple gear surface share the instantaneous impact loading evenly.
- 高扭力、耐衝擊
- 多個齒面接觸點承受衝擊

Power: 0.1kW~3.7kW
Ratio: 1/3~1/1800

Compact Helical Gear Motor Reducers

小型齒輪減速機

Easy installation, high efficiency, light weight and compact design with satisfactory functions. Cutting edge technology provided by Varitron contributes gear motor to be silence, high gear efficiency and easy maintenance.
高效率緊湊設計齒輪減速機,體積小、重量輕、免保養、低噪音、優化設計。零件精加工更加靜音,傳動效率提高



Power: 0.2kW~75kW
Ratio: 1/3~1/15000

Helical Gear Motor Reducers

齒輪減速機

Design with high torque, silence operation, high efficiency, and long service life advantage to offer maximum reliability even in the harshest operating conditions, complete versatility and suitable for applications require high radial loads.

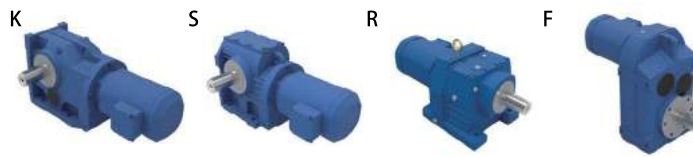
專業增扭力的齒輪設計即使在最惡劣的運行環境中,依然具有最大的可靠性。該系列保證功能多樣,並且適於需要高



Power: 0.2kW~75kW
Ratio: 1/5~1/16930

SEW Type Gear Reducer

歐規齒輪減速機

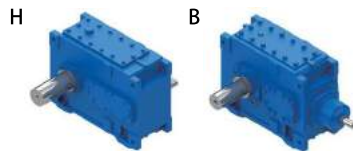


- SEW Interchange 歐規SEW替換
- Wide Ratio range 大範圍減速比
- Solid shaft or Hollow Bore 實心軸或中空軸

Power: 2kW~5366kW
Ratio: 1/2~1/450

Industrial Helical Bevel Gearbox

齒輪箱



Gearbox portfolio with comprehensive range design in the market. Universal gear unit designs is perfectly supplemented by a wide range of standard options such as motor connection flange, backstops and taconite seals.

Supporting horizontal and vertical mounting positions
大功率大轉矩範圍，採用模數化設計，可臥式安裝也可立式安裝，有實心軸、空心軸和收縮盤空心軸輸出，應用範圍廣，採用高強度合金鋼滲碳處理後研磨，具有效率高、壽命長、可承受較大軸向力和徑向載荷、運行噪音低、可靠性高、結構緊湊等優點。

Power: 0.1kW~7.5kW
Ratio: 1/5~1/1000

NMRV Worm Gear Reducer

萬向蝸輪減速機

Modularity design to provide market advance solution with efficiency and flexibility. With compact integral helical/worm option, low number of basic models applied wide range of power ratings guaranteeing top performance

機體用優質的鋁合金壓鑄成形，體積小、散熱快，表面經粉體塗裝處理、不生銹、美觀耐用，蝸桿使用鉻鋁合金鋼，經滲碳熱處理及研磨，傳動平穩、噪音小，輸出扭矩大，可適應全方位安裝



Designed teeth surface with unsurpassed torque transfer with great performance, efficiency and cost. Worm gear system transmits power through sliding contact, resulting in extremely low vibration, noise, little backlash and self-locking property.

特殊齒形設計及加工技術達到高扭矩，高效率。蝸輪蝸桿透過滑差接觸進行減速，因此有更低的振動，低噪音，低背隙及自鎖特性

Power: 0.1kW~75kW
Ratio: 1/5~1/3600

Worm Gear Speed Reducer

蝸輪減速機



Power: 0.1kW~7.5kW

TXF

TKF

Disco Speed Variator

無段變速機



Power: 0.4kW~7.5kW

LW

HV

Belt Steppless Variable Speed Drive

皮帶變速機



Power: 0.4kW~11kW

LM

Five Steps Buffered Speed Changer

五段緩衝式變速機



Power: 0.75kW~22kW

PIV-H

PIV-V

PIV Chain Variable Speed Drive

鍊條無段變速機



Power: 0.1kW~555kW

LG

Spiral Bevel Gear Box

十字轉向機



SR

SRM

Spiral Screw Rod Actuators

螺桿升降機



Power: 0.1kW~125kW

AEEH/AEEP/AEES

AEVH/AEVP/AEVS

AEEH-ALB3

AEVH-ALB5

AEVH-ALB14

Induction Electric Motor

感應馬達



Agitator Mixer

攪拌機

HHM

LCV

GVV

CS/CSS

HMB

SC/SCB



Service perfection, Quality superiority, Research and Development are the core enterprise spirits of VARITRON since 1971. Responding to both domestic customers and international market demands, we never stop to make innovation for gearbox function, efficiency and quality improvement, accompany with accurate and in-time after service. To improve quality control, VARITRON has been certified with ISO9001 since 2008.

Varitron wide power transmission product line including Cycloidal Drive, Precision Planetary Gearbox, Helical Gearmotor, Planetary Gear Reducers, Worm Gearbox, Variator and Induction Motor provides different industries sectors including CNC Machineries, Semi-conductor, Chemical, Steel Industries, Factory facilities, Automation Machineries, robo-tic arm With Varitron strong mechanical engineering team, Varitron provides customizes transmission gearbox and many newly innovated pattern products.

「服務」、「品質」、「研發」是中國變速工程股份有限公司自1971年成立以來一直秉持的核心精神。為因應國際多元化的市場需求，我們不斷挑戰速度及品質的極限亦擁有領先且精密的技術，在近半世紀的努力下，終於從一家國內的減速機工廠蛻變為國際優秀的工業自動化領導品牌。

本公司生產之減速機種類多元，包含賽驅樂減速機、低背隙行星減速機、齒輪減速機、遊星式減速機、蝸輪減速機、無段變速機、攪拌機系列等等，其工業品上的應用更是跨足不同產業，從CNC自動化、汙水處理廠、造紙廠、機械手臂、半導體及到化工廠等等…。為了滿足客戶各項傳動需求，我們尚提供客製化技術，為客戶量身打造一套屬於自己的產品，為客戶節省更多測試及人力成本。

