

VARITRON[®]
Take Control In Speed

驅動科技系列產品
Power Transmission Technologies



How to order 選型

GVV - 32 - AVM - B1 - L1 - 1 - T1



- ① ② ③ ④ ⑤ ⑥ ⑦

①	Model 型式	HHM: Portable Mixer LCV: Submerge Mixer GVV: Compact Design Helical Gear Agitator CS: Single Layer Anchor Type liquid Agitator CSS: Double Layer Anchor Type liquid Agitator HMB: Lifiable High Speed Mixer SCB: Bridge Type High Speed Emulsify Mixer SC: Flange Type High Speed Emulsify Mixer	可搬式攪拌機 水中攪拌機 固定型齒輪攪拌機 單層固定型攪拌機 雙層固定型攪拌機 升降高速攪拌機 架橋型高速乳化機 法蘭型高速乳化機
②	Frame Size 型號	Refer to each model 參考各型號	
③	Suffix 特殊 (Option 選配)	HUD: Hand Adjust Stand 手動升降機架 AUD: Electric Adjust Stand 電動升降架 SA: Speed Adjust Control 調速器 T3: T3 Explosion Proof T3 防爆 T4: T4 Explosion Proof T4 防爆 TL: Torque Limit 扭力限制器	VM: Cycloidal Drive 賽驅樂減速機 WG: Worm Gear Reducer 蝸輪減速機 ADV: Helical Gear Reducer 齒輪減速機 VF: Planetary 遊星式減速機 AVM: Variator 變速機
④	Shaft Seal 軸封	L1,L2,G1,G2, ... Refer to Page H03 參考第 H03 頁	
⑤	Voltage 電壓	B1: 220/380V 50Hz B2: 220/380V 60Hz	C1: 220/440V 50Hz C2: 220/440V 60Hz D: Others 其他
⑥	Impellers 攪拌翼	1,2,3,4, ... Refer to Page H04 參考第 H04 頁	
⑦	Install Method 設置方式	T1: Center 中心插浸 T2: Eccentric 偏心插浸	T3: Title Eccentric 偏心斜插 B1: Tank Side 桶槽側

※ Dimensions and specifications in the catalog are subject to change without notice. 尺寸及規格若有變動，將不另行通知。

Option 選配

- HUD: Hand Adjust Stand 手動升降機架 ■ AUD: Electric Adjust Stand 電動升降機架

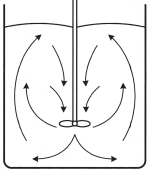
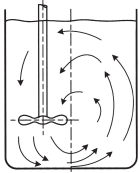
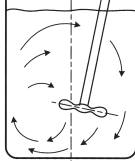
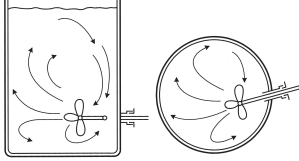


■ TL: Torque Limit 扭力限制器

Agitator Install Method 攪拌機設置方式

Tank Top 桶槽頂

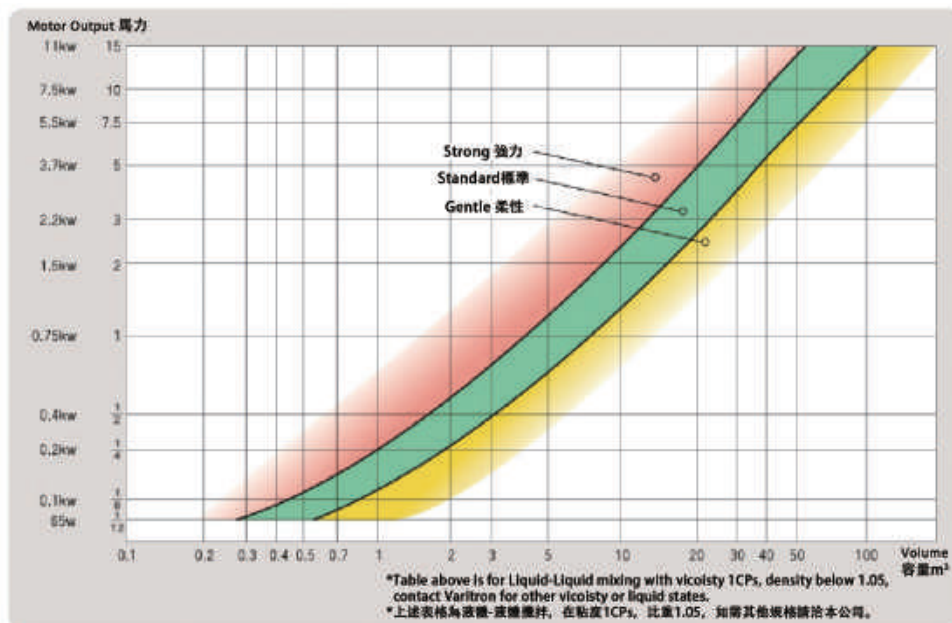
Tank Side 桶槽側

T1	T2	T3	B1
Center 中心插浸	Eccentric 偏心插浸	Tilt Eccentric 偏心斜插	Tank Side 桶槽側
			

Mixing Objective-Strength Table 攪拌目的攪拌強度關係選擇表

	Mixing Type 攪拌目的		Mixing Strength 攪拌強度
Liquid-Liquid 液體-液體	Low density soluble liquid mixing 低粘度可溶性液體攪拌	Low density mixing 低粘度液體攪拌	Gentle Mixing 柔性攪拌
	Low density soluble liquid mixing with short period 快速低粘度可溶性液體攪拌	Medium/high density blending 中高粘度混合	Standard Mixing 標準攪拌
	High density liquid uniform blending 高粘度液體均勻混合攪拌	Different soluble liquid blending uniformly 不同粘度水溶性液體均勻混合攪拌	Strong Mixing 強力攪拌
Solid-Liquid 固體-液體	Anti-settling of solid particles 固體粒子防止沉澱		Gentle Mixing 柔性攪拌
	Solid particles dispersion/dissolve / blending 固體粒子混合/分散/溶解		Standard Mixing 標準攪拌
	High density high concentration larger solid particles dispersion/dissolve / blending 高濃度/高比重/大固體粒子混合/分散/溶解		Strong Mixing 強力攪拌
Gas-Liquid 氣體-液體	Gas absorption of low-density liquid 低密度液體氣體吸收	Reaction/cultivation mixing 反應/培養攪拌	Standard Mixing 標準攪拌
	Gas absorption of medium high density liquid 中高密度液體氣體吸收	Reaction/cultivation mixing 反應/培養攪拌	Strong Mixing 強力攪拌
Heat transfer 傳熱	Low /medium density mixer for uniform temperature 中低粘度液體溫度均勻攪拌		Standard Mixing 標準攪拌
	High density mixer for uniform temperature 高粘度液體溫度均勻攪拌	Fast mixing medium density mixer for uniform temperature 快速中粘度液體溫度均勻攪拌	Strong Mixing 強力攪拌

Mixing power-volume table 攪拌容量-動力快速選擇表



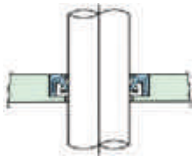
Shaft Seal 軸封

During mixing process, mixing materials tend to change their properties to produce toxicity or stinking gas. Therefore, shaft seals are needed for hermetic containers to make them airtight and leakage proof. For pressurized containers applications, shaft seal is a very important key. Based on application, there are different designs and requirements for mechanical structure and material selection. The commonly used shaft seals include rubber shaft seal, Gland shaft seal and mechanical shaft seal, which can be single layered or multiple layered or composite based on the condition and requirements. Selection of shaft seal should consider the material property, temperature, rotating speed of the mixing shaft and provide protective measures including cooling, lubrication, anti-wear and anti-corrosion for the materials.

攪拌物料在混合過程中常有些物性的變化，容易產生毒性或臭氣，於密閉容器中必須依賴軸封進行氣密與止漏，尤其在壓力容器領域裡，軸封更是很重要的一個要點。隨著壓力大小、主軸轉速、原料特性等，在機械結構與材料選定等皆有不同的設計與要求。常用軸封為橡膠軸封、格蘭軸封與機械式軸封，可做單層及多層裝置，亦可視需求條件做複式混合裝置。軸封之選用應考慮攪拌液之原料特性、溫度、攪拌軸轉速等，提供冷卻潤滑、材質抗磨耗與防腐蝕等防護措施。

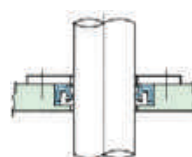
Oil Seal Type 油封

L1



Temp.溫度: $\leq 80^{\circ}\text{C}$
 Press.壓力: $\leq 0.05\text{kg}/\text{cm}^2$ (0.005MPa)
 Simple seal type to prevent contamination
 簡易軸封式，避免異物掉入

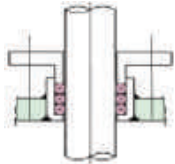
L2



Temp.溫度: $\leq 80^{\circ}\text{C}$
 Press.壓力: $\leq 0.03\text{kg}/\text{cm}^2$ (0.03MPa)
 Simple seal type to prevent contamination
 簡易軸封式，避免異物掉入

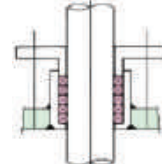
Gland Seal Type 格蘭複合式軸封

G1



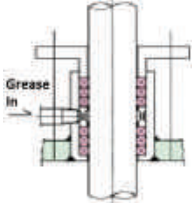
Standard Gland Seal Type
 標準格蘭式
 Temp.溫度: $\leq 80^{\circ}\text{C}$
 Press.壓力: $\leq 0.1\text{kg}/\text{cm}^2$ (0.01MPa)

G2



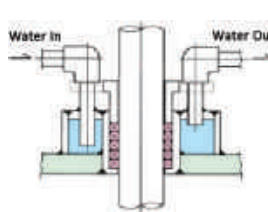
Powerful Gland Seal Type
 加強型格蘭式
 Temp.溫度: $\leq 80^{\circ}\text{C}$
 Press.壓力: $\leq 0.3\text{kg}/\text{cm}^2$ (0.03MPa)

G3



Powerful Gland Seal Type with Enhanced Lubrication
 加強型格蘭式附潤滑
 Temp.溫度: $\leq 80^{\circ}\text{C}$
 Press.壓力: $\leq 0.5\text{kg}/\text{cm}^2$ (0.05MPa)

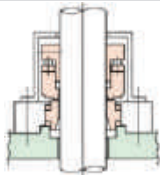
G4



Powerful Gland Seal Type with Cooling System
 加強型格蘭式附冷卻系統
 Temp.溫度: $\leq 150^{\circ}\text{C}$
 Press.壓力: $\leq 0.3\text{kg}/\text{cm}^2$ (0.03MPa)

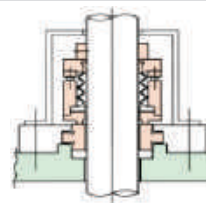
Dry Mechanical Seal 乾式機械軸封

Y1



Temp.溫度: $\leq 175^{\circ}\text{C}$
 Press.壓力: $\text{FV} \sim 2.0\text{kg}/\text{cm}^2$ ($\text{FV} \sim 0.196\text{MPa}$)
 Cir. speed 圓周速度: $1\text{m}/\text{s}$
 Sealant-free mechanical seal

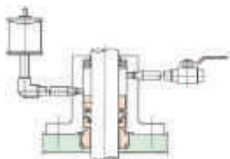
Y2



Temp.溫度: $\leq 175^{\circ}\text{C}$
 Press.壓力: $\text{FV} \sim 2.0\text{kg}/\text{cm}^2$ ($\text{FV} \sim 0.196\text{MPa}$)
 Cir. speed 圓周速度: $1\text{m}/\text{s}$
 Powerful Type Sealant-free mechanical seal

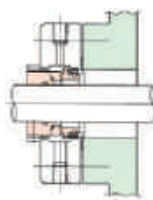
Single Mechanical Seal 單軸封式機械軸封

M1



Temp.溫度: $\leq 80^{\circ}\text{C}$
 Press.壓力: $\text{FV} \sim 1.5\text{kg}/\text{cm}^2$ ($\text{FV} \sim 0.147\text{MPa}$)
 Cir. speed 圓周速度: $5\text{m}/\text{s}$

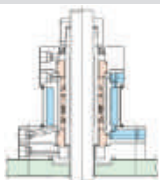
M2



Cartridge Type 卡夾式
 Temp.溫度: $\leq 120^{\circ}\text{C}$
 Press.壓力: $700\text{Torr} \sim 5\text{kg}/\text{cm}^2$ ($70\text{Torr} \sim 0.49\text{MPa}$)
 Cir. speed 圓周速度: $5\text{m}/\text{s}$

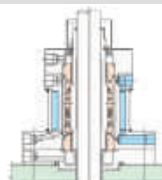
Double Mechanical Seal 雙軸封式機械軸封

D1



Unbalanced Type 非平衡式
 Temp.溫度: $\leq 150^{\circ}\text{C}$
 Press.壓力: $\leq 10\text{kg}/\text{cm}^2$ (0.98MPa)
 Cir. speed 圓周速度: $5\text{m}/\text{s}$

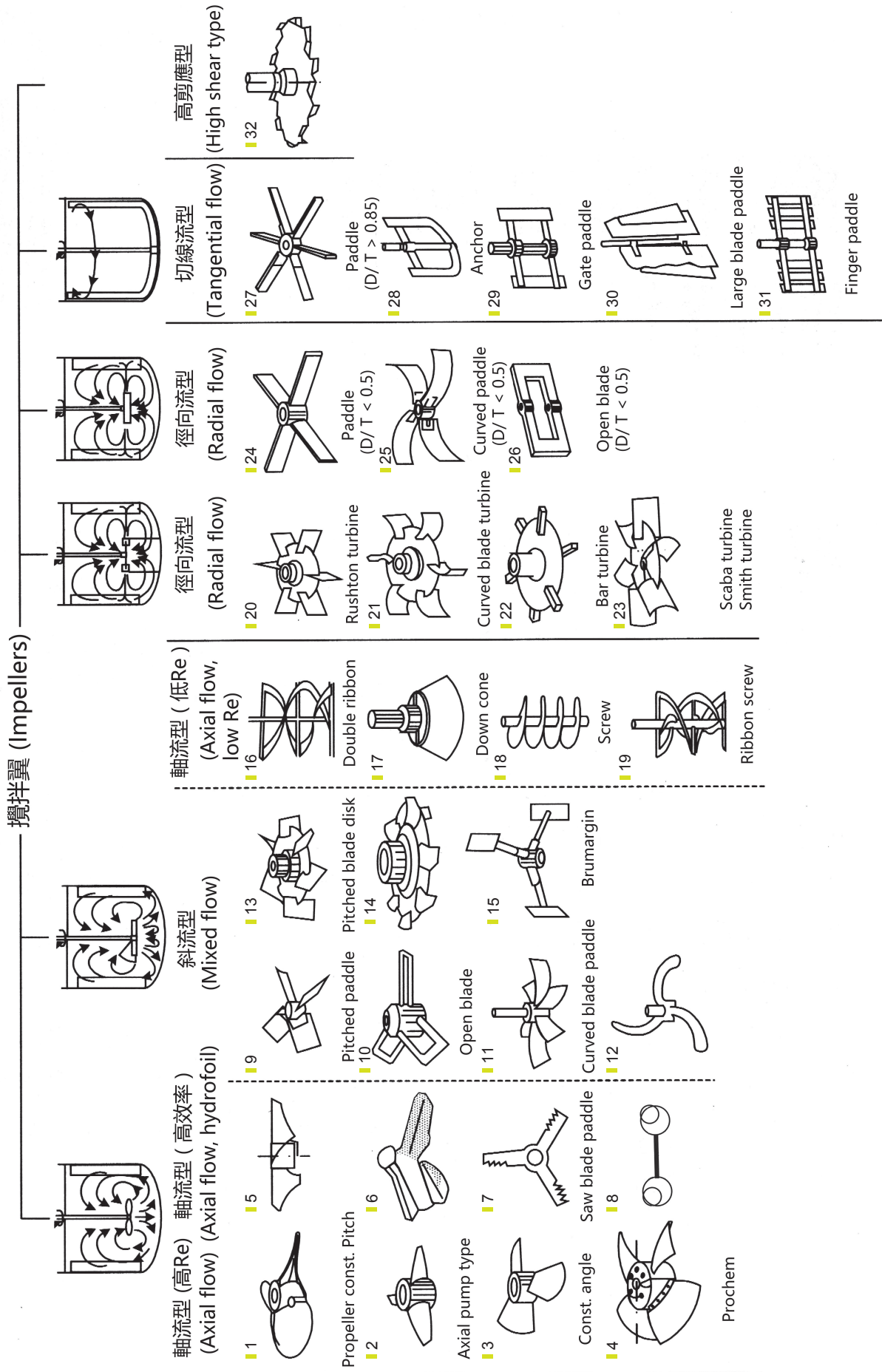
D2



Balanced Type with Force Circulation
 平衡式附強制循環式
 Temp.溫度: $\leq 350^{\circ}\text{C}$
 Press.壓力: $10 \sim 100\text{kg}/\text{cm}^2$ (0.98-9.8MPa)
 Cir. speed 圓周速度: $5\text{m}/\text{s}$

※ Temp.: Temperature; Press.: Pressure; Cir.: Circumference.

Impellers 攪拌翼



HHM Portable Mixer 可搬式攪拌機

Dimensions and Specifications 規格尺寸表

- Strong structure Aluminum housing for light weight and easy to move.
- Total enclose gearbox with high graded grease lubricant, maintenances free, no oil changing needed.
- 3 layers oil seal design, leak free without contamination, ideal for chemical, food medication industry.
- Agitator shaft design with 4 anchor point to increase stability and increase service life.
- 箱體鋁合金鑄造，結構強壯輕巧，操作搬移簡便。
- 全密閉齒輪箱，採高效能油脂潤滑，無須保養、換油。
- 3重雙層油封防護，無漏油之污染，適用於製藥，食品，化工等行業。
- 攪拌主軸採用4個軸承支點，增加穩定性攪拌機壽命更長。



Frame Size 型號	HP 馬力	RPM 60Hz	RPM 50Hz	A	B	C	d	D	E	F	G	I
HHM1	1/4	530	440	1313	800	127	19	200	60	176	275	90
		330	275	1313	800	127	19	200	60	176	275	90
		220	180	1313	800	127	19	250	60	176	275	90
		160	130	1313	800	127	19	250	60	176	275	90
		110	90	1313	800	127	19	250	60	176	275	90
		80	65	1313	800	127	19	250	60	176	275	90
		50	40	1313	800	127	19	250	60	176	275	90
HHM2	1/2	530	440	1433	900	127	19	200	60	176	295	90
		330	275	1433	900	127	19	250	60	176	295	90
		220	180	1433	900	127	19	250	60	176	295	90
		160	130	1433	900	127	19	250	60	176	295	90
		110	90	1433	900	127	19	250	60	176	295	90
		80	65	1433	900	127	19	250	60	176	295	90
		50	40	1433	900	127	19	250	60	176	295	90
HHM3	1	550	460	1820	1000	187	22	300	80	216	335	115
		350	290	1820	1000	187	22	300	80	216	335	115
		240	200	1820	1000	187	22	350	80	216	335	115
		160	130	1820	1000	187	22	350	80	216	335	115
		100	80	1820	1000	187	22	350	80	216	335	115
		80	65	1820	1000	187	22	350	80	216	335	115
		50	40	1820	1000	187	22	350	80	216	335	115
HHM4	2	550	460	1848	1200	187	25	300	80	216	350	115
		350	290	1848	1200	187	25	300	80	216	350	115
		240	200	1848	1200	187	25	350	80	216	350	115
		160	130	1848	1200	187	25	350	80	216	350	115
		100	80	1848	1200	187	25	350	80	216	350	115
		80	65	1848	1200	187	25	350	80	216	350	115
		50	40	1848	1200	187	25	350	80	216	350	115

* Other speed(rpm) can be customize. 可定制其他轉速。

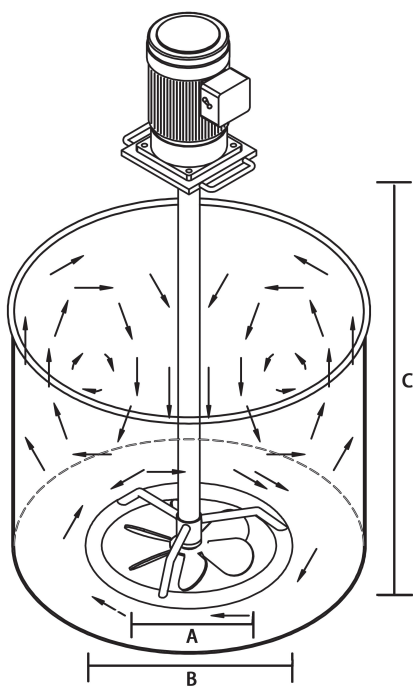
* Agitator comes with double layer two bladed impellers or single layer three bladed impeller. 攪拌葉為兩層雙翼平漿，或單層三翼螺旋葉片。

* Agitator shaft and impeller are SUS304, other material or coating can be customize. 攪拌棒及攪拌葉為 SUS304，其他材質或包襯塗裝可定制。

LCV Submerge Mixer 水中液體攪拌機

Dimensions and Specifications 規格尺寸表

- Flexibility – Use when needed
- Applicability- Free to move around
- No Installing – Just put into tank
- Cost Cut – tanks can share same agitator
- East to use – Just plug in and start
- New Pattern – No installing needed
- 機動性高，隨時可攪拌
- 實用性高，可隨意搬動
- 無需安裝，置水中即可
- 節省成本，攪拌機共用
- 使用簡易，插電即使用
- 新型專利，免設置托架



Frame Size 型號	HP 馬力	Power 電力	Voltage 電壓	A	B	C
LCV 1A	1/4	Single Phase 單相	110V	220	300	800
LCV 1B		Single Phase 單相	220V	220	300	800
LCV 1C		Three Phase 三相	220V	220	300	800
LCV 1D		Three Phase 三相	380V	220	300	800
LCV 1E		Three Phase 三相	440V	220	300	800
LCV 2A	1/2	Single Phase 單相	110V	300	430	1000
LCV 2B		Single Phase 單相	220V	300	430	1000
LCV 2C		Three Phase 三相	220V	300	430	1000
LCV 2D		Three Phase 三相	380V	300	340	1000
LCV 2E		Three Phase 三相	440V	300	340	1000
LCV 3A	1	Single Phase 單相	110V	300	430	1000
LCV 3B		Single Phase 單相	220V	300	430	1000
LCV 3C		Three Phase 三相	220V	300	430	1000
LCV 3D		Three Phase 三相	380V	300	340	1000
LCV 3E		Three Phase 三相	440V	300	340	1000

※ Other shaft height and HP can be customized. 攪拌軸長度及馬力可定制其他高度。

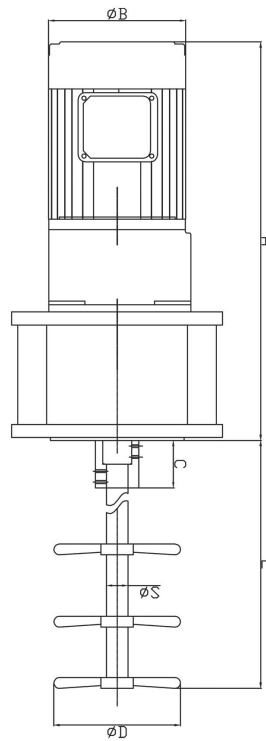
GVV Compact Design Helical Gear Agitator 固定型齒輪攪拌機

Dimensions and Specifications 規格尺寸表

GVV series agitator uses high efficiency helical gear reducers which require no maintenance, low noise and high efficiency. The output shaft extends to its foundations which increase its supportive for the agitator shafts to have long service life and little wear out. Optional Speed Variator or inverter for speed adjusting or outdoor motor, explosion proof motor can be assign.

GVV 系列攪拌機採用高效率免保養齒輪減速機，超低噪音，高效率及減速機出力軸延伸至托架，增加軸承支點數大幅提高攪拌機壽命，減少磨損。可搭配無段變速機或變頻器進行調速調速或屋外型馬達，T3 安全增防爆馬達或 T4 耐壓防爆馬達。

- Fully enclosed casing
- Dust and spill prove
- Conventional
- Easy installing
- 全密閉式機架
- 防塵、防水
- 標準化規格
- 安裝輕便實用



Frame Size 型號	HP 馬力 (kW)	RPM 轉速		A	B	C	G	H	N	M	S	L	D	W(kg)
		60Hz	50Hz											
GVV28	1/2HP4P (0.37)	350~20	290~16	453	127	95	246	220	11	170	25	1200	300	25
GVV32		20~8	16~6.5	493	127	115	292	255	13	185	30	1700	400	45
GVV40		8~1	6.5~1	691	127	130	355	310	15	230	35	2000	450	73
GVV28	1HP4P (0.75)	350~60	290~50	471	168	95	246	220	11	170	25	1500	350	28
GVV32		60~15	50~13	518	168	115	292	255	13	185	30	1900	450	48
GVV40		14~8	11~6.5	601	168	130	355	310	15	230	35	2200	500	75
GVV50		8~1	6~1	741	168	160	430	390	19	280	40	2600	600	100
GVV32	2HP4P (1.5)	580~60	480~50	548	190	115	292	255	13	185	30	1900	450	52
GVV40		60~15	50~12	631	190	130	355	310	15	230	35	2200	500	80
GVV50		14~9	12~7	671	190	160	430	390	19	280	40	2600	600	102
GVV40	3HP4P (2.2)	350~30	290~25	661	215	130	355	310	15	230	35	2000	500	82
GVV50		25~14	20~11	696	215	160	430	390	19	280	40	2500	600	107
GVV40	5HP4P (3.7)	350~70	290~60	676	215	130	355	310	15	230	35	2200	500	84
GVV50		60~15	50~12	711	215	160	430	390	19	280	40	2500	600	109

※ Shaft diameter(S), impeller radian(D), shaft length(L) are for reference, actual application should be designed by tank size, mixing purpose, rpm, viscosity and impeller type. 葉片直徑(D)、軸徑(S)、軸長(L)均為參考尺寸。實際選用應依照桶槽尺寸，攪拌目的，轉速，黏度，葉片形式等條件設計。

※ The couplings, shaft and impeller materials can either be SUS304,316,316L or other coating to restrain acid or alkali can be manufacture upon request, contact Varitron®. 聯軸器、攪拌軸及攪拌葉片可選用 SUS304、316、316L，特殊材質或耐酸鹼包襯，請洽中國變速。

CS/CSS Liquid Agitator 固定型攪拌機

Dimensions and Specifications 規格尺寸表

- Different type of gear motor can be attach (cycloidal gear, helical gear, worm gear, planetary gear) or Variator
- Gear motor and padelstal stand connected using couplings for easy installing and maintenance
- Base plate or padelstal material combination (SS41,SUS304,SUS316, or other alloy steel)
- Various seal type options (oil seal, gland seal, mechanical seal)
- 可搭配各式減速機（賽驅樂減速機、齒輪減速機、蝸輪減速機、遊星式減速機）或變速機
- 減速機與托架採纜性聯軸器組裝，拆解保養簡易
- 底板或整機托架可指定不同材質（SS41,SUS304, SUS316, 或其他特殊鋼）
- 可配合使用各式機械式軸封

馬力 (HP)		180 - 500	60 - 181	30 - 61	12 - 31	9	6	4.5	3	1.5 ≥
4P	6P	rpm	rpm	rpm	rpm	rpm	rpm	rpm	rpm	rpm
1/4	1/8	CS190	CS220	CS220	CS250	CS250	CS350	CS350	CS500	CS5700
1/2	1/4	CS220	CS250	CS250	CS250	CS350	CS380	CS380	CS600	CS5750
1	1/2	CS250	CS350	CS350	CS350	CS350	CS380	CS500	CS5700	CS5850
2	1	CS350	CS380	CS380	CS380	CS380	CS500	CS600	CS5750	CS5950
3	2	CS350	CS380	CS500	CS500	CS500	CS600	CS5700	CS5850	CS51100
5	3	CS380	CS600	CS600	CS600	CS600	CS700	CS5750	CS5950	CS51200
7 1/2	5	CS600	CS5700	CS5700	CS5700	CS5700	CS5750	CS5850	CS51100	CS51400
10	7 1/2	CS5700	CS5750	CS5750	CS5750	CS5750	CS5850	CS5950	CS51200	CS51600
15	10	CS5750	CS5850	CS5850	CS5850	CS5850	CS5950	CS51100	CS51400	CS51800
20	15	CS5850	CS5950	CS5950	CS5950	CS5950	CS51100	CS51200	CS51600	CS52000

※ Larger model or special usage can be customize, upon request, contact Varitron®. 如需更大型號或其他訂製規格，請洽中國變速。

Frame Size 型號	d	D	L	M	G	S	A	B	C	NxP
CS190	19	200	986	200	162					
CS220	22	240	991	~	~	250	240	220	200	11Øx6
CS250	25	240	1000	231	154					
CS250	25	280	1180	251	169					
CS280	28	280	1190	~	~	315	310	285	260	15Øx6
CS350	35	320	1200	311	287					
CS380	38	320	1200							
CS350	35	380	1780	317	205					
CS380	38	380	1780	~	~	450	390	360	330	18Øx6
CS500	50	420	1790	358	382					
CS600	60	420	1800							
CSS500	50	480	2160	353	247					
CSS600	60	480	2170	~	~	550	520	475	430	18Øx6
CSS700	70	520	2190	446	477					
CSS750	75	520	2190							
CSS700	70	580	2550	483	320					
CSS750	75	580	2550	~	~	650	590	550	550	21Øx6
CSS850	85	620	2580	571	570					
CSS950	95	620	2600							
CSS1100	110	700	2600	500	380					
CSS1200	120	~	~	~	~	750	880	800	680	25Øx12
CSS1400	140	1020	3500	700	600					
CSS1600	160	1360	3500	600	400					
CSS1800	180	~	~	~	~	888	980	900	780	28Øx12
CSS2000	200	1600	6000	900	620					

HMB Lifiable High Speed Mixer 升降高速攪拌機

Dimensions and Specifications 規格尺寸表

用途

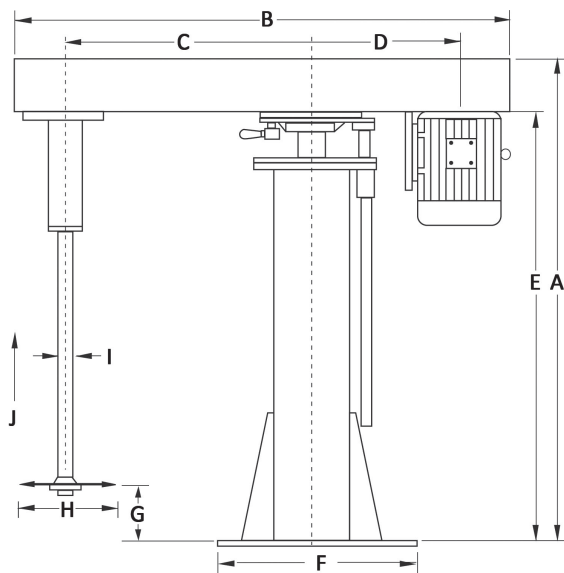
適用於各式樹脂/油漆/油墨/PU 樹脂/矽利康膠/化妝品/食品原料/藥膏...等中高黏稠度原料的均勻攪拌。

以隱藏式油壓系統傳動上升及下降動作，使機座運轉更穩定，裝置變頻器控制馬達運轉功能，攪拌速度為無段變速，由 0-1500rpm 可依攪拌需求任意調整攪拌速度，電氣操作控制系統、油壓升降系統及機械主體合為一體的整體結構設計，操控方便穩定，上機座可旋轉攪拌角度，依攪拌需要可任意調整。安全等級：IP55, IP56, Exe II T3, Exd II B T4

Applications:

Paint, Inks, Pigments , PU Resin , Silicon, Glues, Cosmetics, Food Process, Ointment... Etc. For Mid-viscosity dispersion to viscosity below 10,000cps.

Concealed hydraulic lifting system design to lift the mixing shaft up and down. Mixer design features to low vibration and stable operation. Inverter controls variable speed from 0-1500rpm. Hassle free operation with all in one integrated main mechanical body with electric control system and hydraulic lifting system design. Upper mixer shaft stand can be adjustable to match the requirement of different mixing angle. Optional IP55, IP56, Exe II T3, Exd II B T4



Frame Size 型號	HP(kW) 馬力	Resolution Capacity(Liter) 作業量		A	B	C	D	E	F	G	H	I	G+J	Weight 重量 (KG)
		<4000 Pcs	<1500 Pcs											
HMB003	3HP(2.2)	80-150	100-200	1750	1600	750	500	1350	1000	200	200	45	1000	700
HMB005	5HP(3.7)	100-200	150-300	1750	1600	750	500	1350	1000	200	230	50	1000	800
HMB075	7.5(5.5)	200-350	300-500	1900	2200	1000	600	1580	1000	200	250	50	1250	1400
HMB010	10HP(7.5)	300-400	400-600	1900	2200	1000	600	1580	1000	200	280	60	1250	1500
HMB015	15HP(11)	400-600	500-800	1900	2200	1000	600	1580	1000	200	300	60	1300	1600
HMB020	20HP(15)	500-800	800-1200	1900	2200	1000	600	1580	1000	200	330	60	1300	1700
HMB025	25HP(18.5)	800-1200	1000-1500	2100	2500	1250	700	1700	1100	250	350	60	1400	2000
HMB030	30HP(22)	1200-2000	1500-2500	2100	2500	1250	700	1700	1100	250	380	65	1400	2100
HMB040	40HP(30)	1500-2500	2000-3000	2200	2800	1450	800	1850	1200	250	400	65	1500	2300
HMB050	50HP(37)	2000-3000	2500-3500	2500	2800	1450	800	2100	1200	250	450	75	1500	2400
HMB060	60HP(45)	2500-3500	3000-4000	2500	2800	1450	800	2100	1200	250	450	75	1500	2500
HMB075	75HP(55)	3000-5000	3500-6000	2900	2900	1500	800	2500	1250	300	480	80	1800	3000
HMB1000	100HP(75)	4000-6000	5000-7000	3200	3000	1600	800	2800	1250	300	500	80	1800	3200
HMB1250	125HP(94)	4500-6500	5500-7500	3200	3000	1600	800	2800	1250	300	500	80	1800	3500
HMB1500	150HP(110)	5000-7000	6000-8000	3200	3000	1600	800	2800	1250	300	550	80	1800	3800

SC/SCB High Speed Emulsify Mixer 極速乳化機

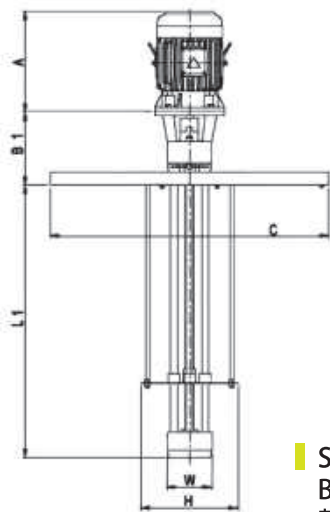
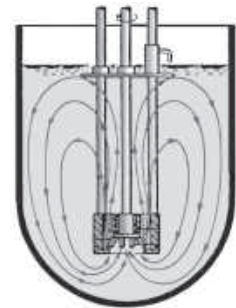
Dimensions and Specifications 規格尺寸表

Emulsifying principles 乳化原理

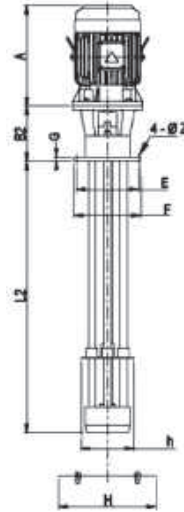
Design specially for emulsifying middle high viscosity raw material, the precision blade spine in high speeds, draws to emulsifying raw material, high frequency adds pressure convey cutting, then pushes out the annular turbine housing, meanwhile there are continuous cutting, smash generated in the gap between the high speed rotating blades and turbine housing. Raw material is pushed away centrifugally at a high speed then hits against the wall of the tank which furthermore increase the cutting, mixing in high-frequency circulation. The process of homogenizing and emulsifying is completed in a very short time.

Varitron 高速乳化機專為中高粘度原料乳化而設計，原理是將精密加工乳化翼高速吸取乳化原料，高頻率加壓輸送剪斷推出環狀乳化槽外，原料被推時，高速運轉之精密乳化翼與乳化槽極小間隙產生連續切割剪斷、粉碎。原料被乳化翼高速離心推送再與桶槽壁產生撞擊破壞，高頻率循環切割混合設計達到以極短時間完成均質乳化效果。

- Rapidly circulating convection for high efficiency emulsifying.
- High rotation speed, creates strong cutting, impact and irregular flow.
- High precision emulsify mixer stator and rotor, creates strong attraction, excellent mixing result for high viscosity liquid.
- Emulsifying, homogenizing, mixer, dispersing, crushing synchronously within short time.
- Optional speed controller for excellent mixing performance.
- 快速循環對流，乳化效率絕無浪費
- 高速迴轉，產生強力剪切、衝擊及亂流
- 乳化機定、轉子密合度高，吸引力強，高黏度液體處理效果佳
- 乳化、均質、攪拌、分散、粉碎等可以同時在極短時間內達到處理
- 搭配調速器自由調整轉速，能保護乳化機壽命，並達到優良攪拌效果



■ SCB
Bridge Installing
架橋安裝型



■ SC
Flange Installing
法蘭安裝型



Frame Size 型號	Capacity 容量(L)	HP 馬力	Dimension 尺寸										7200 RPM	3600 RPM
			A	B1	B2	C	E	F	G	H	L	Z		
SCB010/SC010	50	1	242	120	120	500	165	200	15	120	500	13	60	80
SCB020/SC020	100	2	322	120	120	800	165	200	15	120	600	13	60	80
SCB030/SC030	200	3	322	150	150	1000	215	250	16	180	800	14	80	110
SCB050/SC050	300	5	371	150	150	1000	215	250	16	180	800	14	80	110
SCB075/SC075	600	7.5	374	200	200	1200	265	300	16	230	900	14	90	150
SCB100/SC100	1000	10	412	200	200	1200	265	300	16	230	1000	14	90	150
SCB150/SC150	1500	15	498	250	250	1300	300	350	20	250	1300	18	110	210
SCB200/SC200	2000	20	542	250	250	1300	300	350	20	250	1300	18	110	210
SCB250/SC250	2500	25	562	250	250	1400	350	400	22	280	1400	18	130	230
SCB300/SC300	3000	30	562	250	250	1400	350	400	22	280	1400	18	130	230
SCB400/SC400	4000	40	600	280	280	1500	350	400	22	280	1400	18	150	250
SCB500/SC500	5000	50	665	280	280	1500	400	450	25	320	1500	18	200	300

※ Shaft Length (L) and Diameter (C) are for reference, actual application should be designed by tank size, mixing purpose, rpm, viscosity and impeller type.

※ Shaft and blade materials can either be SUS304, 316, 316L or explosive proof ExeT3 or ExdT4 can be manufacture upon request.

※ 乳化機長度“L”、“C”尺寸為標準長度，僅供參考，若須加長或減短可另行定製。

※ 乳化液體為強酸、鹼或高揮發性之危險液體時，請務必告知本公司承辦業務人員，以便做耐酸、鹼及防爆 T3、T4 等選擇。

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A1

Cycloidal Drive Reducer

賽驅樂減速機

HM



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HX



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VM



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VX



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V



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RV Precision Cycloidal Gear

高精密擺線減速機

RV-E



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RV-C



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B1

Precision Planetary Gearbox

精密行星減速機

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DG



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DGT



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DM



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DML



Pg.B14

DF



Pg.B16

DH



Pg.B18

DL



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DN



Pg.B22

RAM-S



Pg.B24

RAM-SS



Pg.B25

RAM-H



Pg.B26

RAM-D



Pg.B27

RAM-F



Pg.B28

RAH-S



Pg.B30

RAH-SS



Pg.B31

RAH-H



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RAH-D



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RAH-F



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HRP



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HRP-H



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Planetary Gear Reducer

遊星式減速機

HF



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VF



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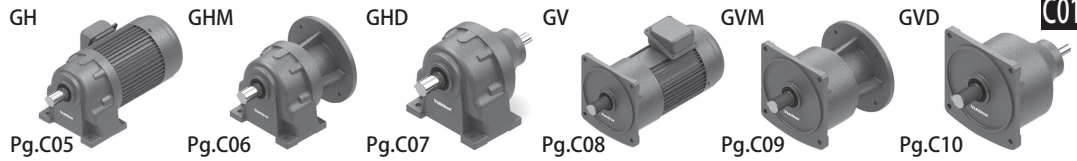
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C1

Compact Helical Gear Motor Reducers

小型齒輪減速機



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Helical Gear Motor Reducers

齒輪減速機



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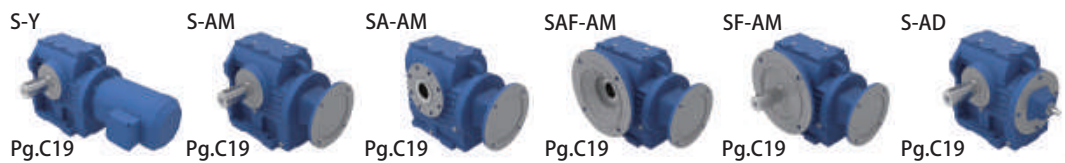
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SEW Type Gear Reducer

歐規齒輪減速機



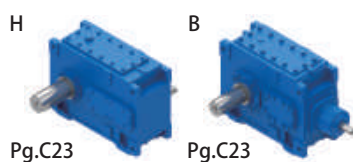
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C4

Industrial Helical Bevel Gearbox

齒輪箱



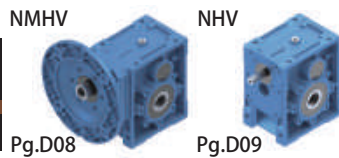
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NMHV Hypoid-Helical Gear Reducer

萬向螺旋齒輪減速機



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D2

NMRV Worm Gear Reducer

萬向蝸輪減速機

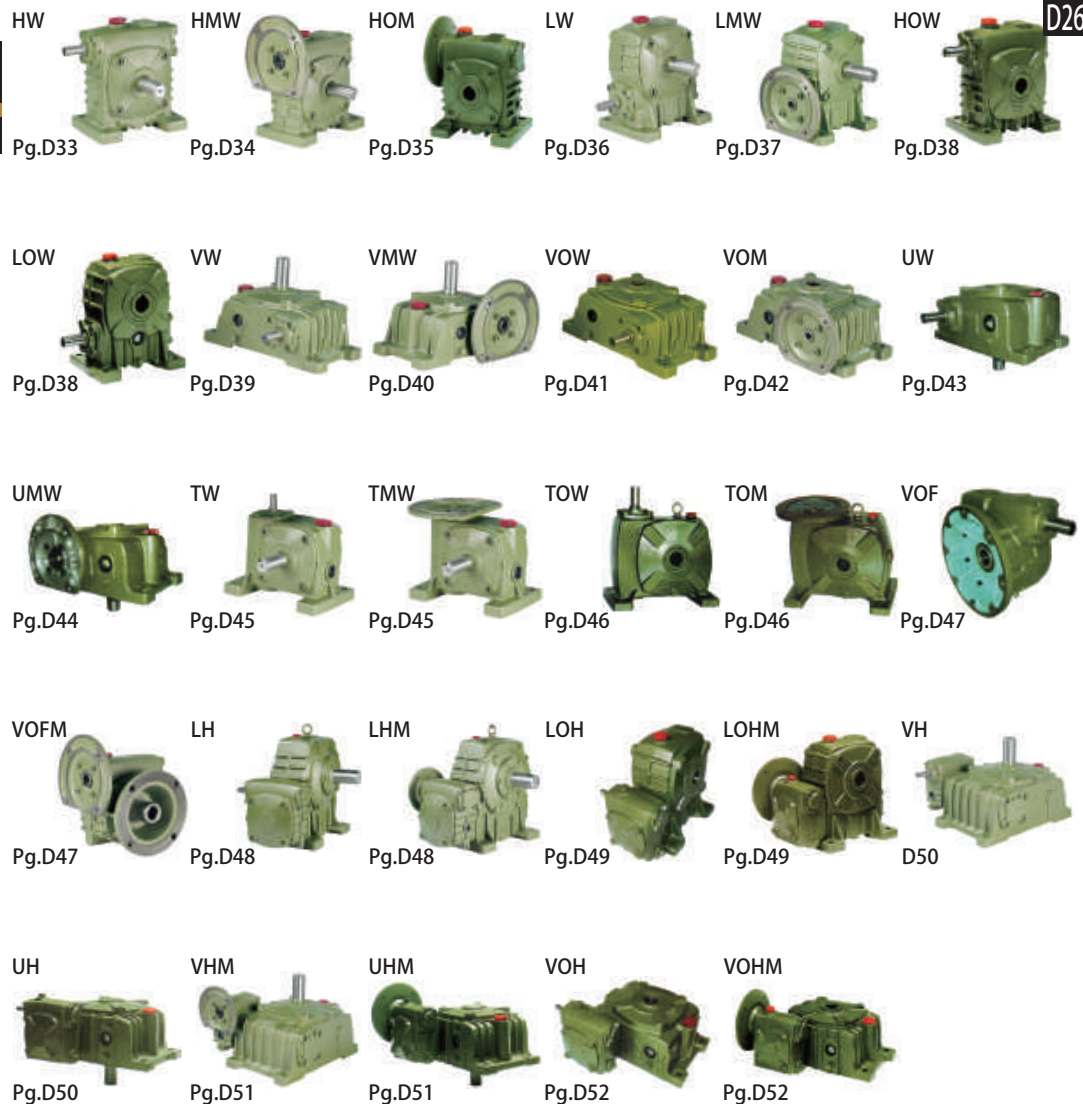


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Worm Gear Speed Reducer

蝸輪減速機



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Disco Speed Variator

無段變速機



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Belt Stepless Variable Speed Drive

皮帶變速機



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Five Steps Buffered Speed Changer

五段緩衝式變速機



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E4

PIV Chain Variable Speed Drive

鍊條無段變速機



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Spiral Bevel Gear Box

十字轉向機



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Spiral Screw Rod Actuators

螺桿升降機



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G

Induction Electric Motor

感應馬達



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H

Agitator Mixer

攪拌機



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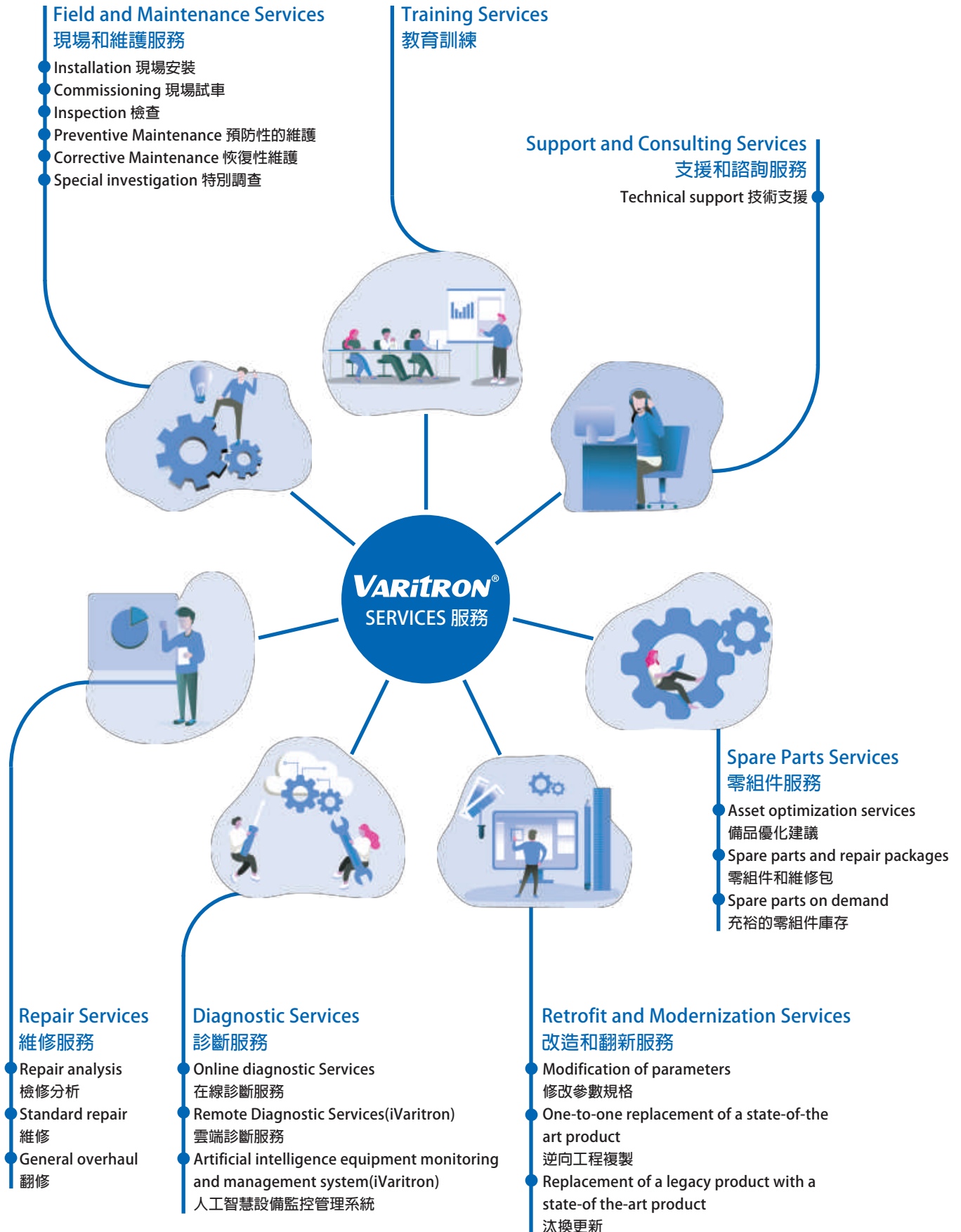
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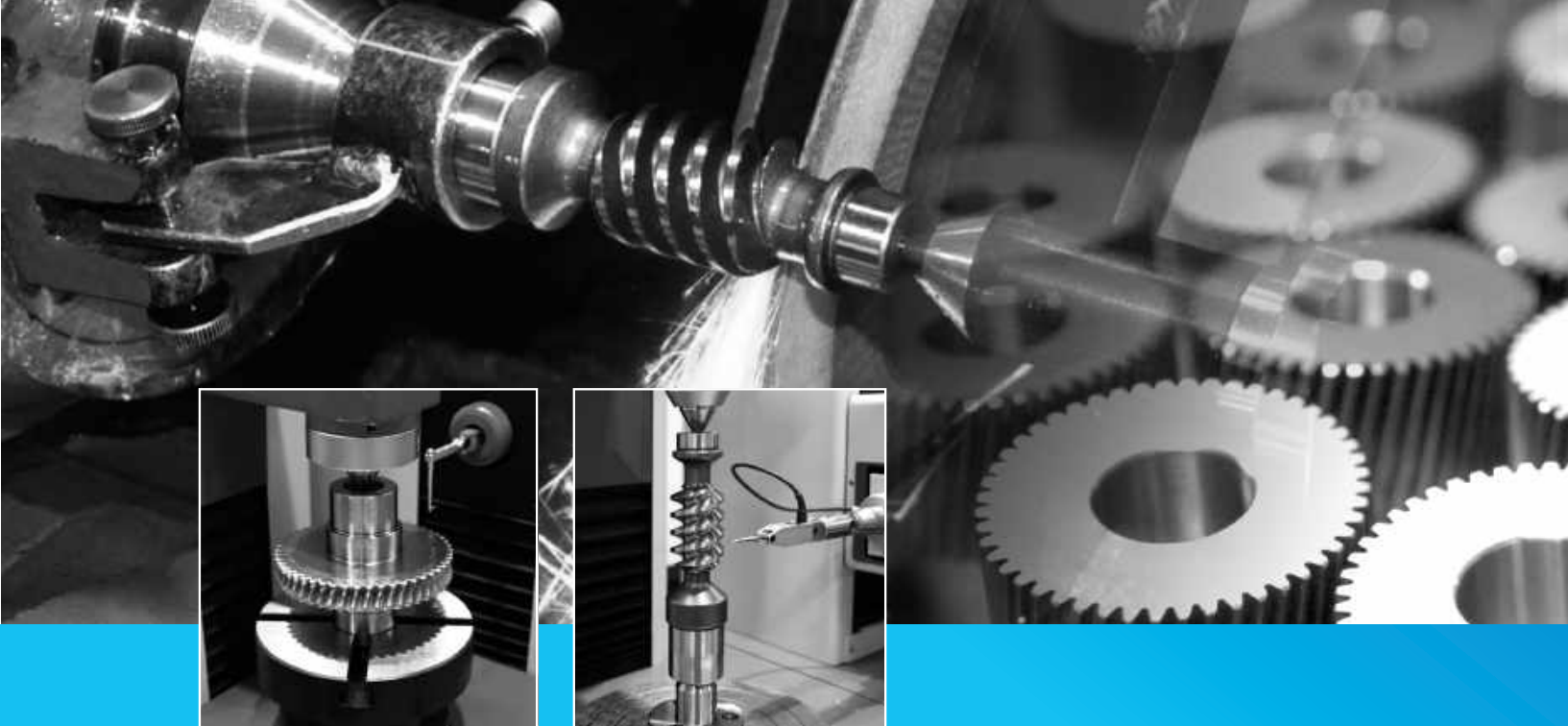
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VARITRON® Total Solution for Transmission Units

全方位的驅動產品服務





MADE IN TAIWAN

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.

Service

Towards Varitron's Half-century, we serve more than 40 countries. VARITRON has more than 10 service points in cooperation with regional agents globally to timely assist our customers not only for hardware, like parts and maintenance, but also for software, like design consultant

Quality

Quality Perfection is Varitron's core value, new machinery and quality check equipment is deploy in the manufacturing. Minimum 30 quality check point is done from raw material to final gearbox. In-house testing laboratory, ISO9001 and ISO14001 quality control system to ensure every gearbox meets perfection.

Innovation

Our specialized R&D teams constantly developing new gearbox, gear motor and motors for effectively fabricating transmission products, and working to improve machine quality. VARITRON never stops doing market surveys and attending international exhibitions. With decades of knowledge accumulated about market information and changes in machineries trends, we can provide the most valuable information to our clients and assist our clients in industrial upgrading.



VARITRON®
Take Control In Speed

「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。

我們具有性能卓越的獨家技術、不斷研發的專利產品，同時還有完善的售前/後服務，才能讓本公司於眾多製造廠商中脫穎而出。

服務

經過半世紀的努力，我們的客戶已超過40個國家，為因應海外市場龐大的業務量及秉持服務品質不縮水的精神，我們已在海外增設多個據點，提供給客戶更即時性的服務。

品質

因為品質的堅持是我們最重要的信念，所以本公司引進最新型、最先進的技術及機器，生產的每樣產品從原料到成品皆須歷經30道以上的檢驗關卡，我們希望透過最嚴謹的製造流程，來確保品質的無虞，並致力通過ISO9001及ISO14001的認證。除證實我們對於品質與自我的要求外，更帶領我們達到積極追求的目標 - 「提供高效率且環境友善的產品」，為環境永續更盡一份心力。

研發

本公司憑藉著永續經營、鍥而不捨的研發精神，不斷吸納專業人才、研發新技術，並努力拓銷至國際市場(韓國、日本、東南亞、澳洲、美國及歐洲等四十多個國家)，歡迎您來體驗中國變速所帶給您的傳動新感受。

www.varitron.com.tw
www.c-var.com

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