



吉納皮帶輪雷射對心儀

GAINER Belt Pulley Laser Alignment Tool



CE certification
歐盟認證



ATEX Directive
ATEX防爆指令



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傳動皮帶安裝工具

Drive Belt Installation Tool



皮帶輪量規
V Belt Pulley Gauge



攜帶型皮帶輪雷射對心儀
G-PLUS Pulley Laser Alignment Pack



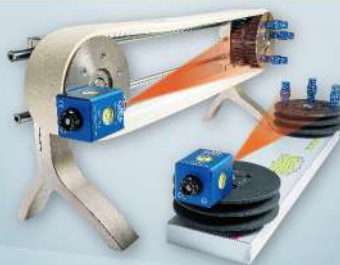
筆型皮帶張力計
Belt Tension Meter



綠G光皮帶輪雷射對心儀
GL-2000 Belt Pulley Alignment Tool



紅外線皮帶張力器
Infrared Belt Tension Meter



皮帶輪雷射對心儀
LK-15000C Belt Pulley Laser Alignment Tool



攜帶型皮帶輪雷射對心儀

G-PLUS Pulley Laser Alignment Pack

精確對心、穩定傳動、節能減碳

Precise alignment, stable transmission, energy saving and carbon reduction.

磁吸式設計、攜帶便利、直覺式操作、精準快速

Magnetic design for portability, intuitive use, and precision performance.

適用各種皮帶輪沒有溝槽與皮帶齒形的限制

Compatible with all types of pulleys no limitations on grooves or tooth profiles.

可調式校正器解決不同寬度輪子的偏心不對中

Adjustable calibrators addresses eccentric misalignment issues for pulleys of varying widths.



規格表	Specification sheet
型 號 G-PLUS	model G-PLUS
雷射等級 1M (EN60825-1)	Laser class 1M (EN60825-1)
輸出功率 < 5mw	Output power < 5mw
波 長 630-670nm 紅光	Wavelength 630-670nm RED
線路寬度 1mm	Line thickness 1mm
測距精度 $\theta \pm 0.1^\circ$	Measuring accuracy $\theta \pm 0.1^\circ$
電池種類 CR123A3V	Battery type CR123A3V
連續使用 42小時	Continuous use 42 hours
相對濕度 < 90%RH 非冷凝	Relative Humidity < 90%RH non-condensing
溫度範圍 -20 / +50 °C	Temperature range -20 / +50 °C
防護等級 IP40	Protection IP40
材 質 鋁合金	Material Aluminum alloy
尺 寸 L86xW28xH35mm	Dimensions L86xW28xH35mm
重 量 89.5g	Weight 89.5g
可調式校正器 $\varnothing 14 \times 42 \text{mm}$ *3pcs	Adjustable calibrator $\varnothing 14 \times 42 \text{mm}$ *3pcs
外盒尺寸 L156xW110xH42mm	Box dimensions L156xW110xH42mm
總重量 300g	Total weight 300g
專利號碼 TWPAT.NO.D241059	Patent number TWPAT.NO.D241059
TWPAT.NO.M672486	TWPAT.NO.M672486
TWPAT.NO.M672482	TWPAT.NO.M672482
規格如有更改，恕不另行通知	Product specifications may be changed without prior notice.



綠G光GL-2000皮帶輪雷射對心儀

GL-2000 Belt Pulley Alignment Tool

磁吸式設計、直覺式操作、精準快速、節能減碳

Magnetic design, intuitive operation, precise and fast, energy saving and carbon reduction.

適用各種皮帶輪沒有溝槽與皮帶齒形的限制

Compatible with all types of pulleys no limitations on grooves or tooth profiles.

圓型360°水平儀解決立式傳動的角度錯位不對中

Circular 360° level solves angular misalignment of vertical transmission.

可調式校正器解決不同寬度輪子的偏心不對中

Adjustable calibrators addresses eccentric misalignment issues for pulleys of varying widths.



★GL-2000 在需要更高可見度的戶外或白天環境中表現出色

The GL-2000 performs well in outdoor or daytime environments where higher visibility is required.



規格表	Specification sheet
型號 GL-2000	model GL-2000
雷射等級 Class III a	Laser class Class III a
輸出功率 < 5mw	Output power < 5mw
波長 500-550nm 綠光	Wavelength 500-550nm GREEN
槽線寬度 1mm	Line thickness 1mm
測量精度 $\theta < \pm 0.1^\circ$	Measuring accuracy $\theta < \pm 0.1^\circ$
電池種類 CR123A3V	Battery type CR123A3V
連續使用 16小時	Continuous use 16 hours
相對濕度 < 90%RH非冷凝	Relative Humidity < 90%RH non-condensing
溫度範圍 -20 / +50 °C	Temperature range -20 / +50 °C
防護等級 IP40	Protection IP40
材質 鋁合金	Material Aluminum alloy
尺寸 L104xW42xH48mm	Dimensions L104xW42xH48mm
重量 330g	Weight 330g
360°圓形水平器 $\varnothing 18\text{mm}$	360° circular level $\varnothing 18\text{mm}$
可調式校正器 $\varnothing 14 \times 42\text{mm}$ *3pcs	Adjustable calibrator $\varnothing 14 \times 42\text{mm}$ *3pcs
三角皮帶輪量規 SPZ、SPA、SPB、SPC	V Belt pulley gauge SPZ、SPA、SPB、SPC
單點張力計 0-150N/0-351bs	Belt tension meter 0-150N/0-351bs
外盒尺寸 L235xW180xH70mm	Box dimensions L235xW180xH70mm
總重量 1000g	Total weight 1000g
專利號碼 TWPAT.NO.M598949	Patent number TWPAT.NO.M598949
TWPAT.NO.M672486	TWPAT.NO.M672486
ZL 2020 2 0747333.1	ZL 2020 2 0747333.1
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LK-15000C 皮帶輪雷射對心儀

LK-15000C Belt Pulley Laser Alignment Tool

磁吸式設計、直覺式操作、精準快速、節能減碳

Magnetic design, intuitive operation, precise and fast, energy saving and carbon reduction.

適用各種皮帶輪沒有溝槽與皮帶齒形的限制

Compatible with all types of pulleys no limitations on grooves or tooth profiles.

圓型360°水平儀解決立式傳動的角度錯位不對中

Circular 360° level solves angular misalignment of vertical transmission.

可調式校正器解決不同寬度輪子的偏心不對中

Adjustable calibrators addresses eccentric misalignment issues for pulleys of varying widths.



規格表	Specification sheet
型號 LK-15000C	model LK-15000C
雷射等級 Class III a	Laser class Class III a
輸出功率 < 5mw	Output power < 5mw
波長 630-650nm 紅光	Wavelength 630-650nm RED
線條寬度 1mm	Line thickness 1mm
測量精度 $\theta < \pm 0.1^\circ$	Measuring accuracy $\theta < \pm 0.1^\circ$
電池種類 CR123A3V	Battery type CR123A3V
連續使用 42小時	Continuous use 42 hours
相對濕度 < 90%RH非冷凝	Relative Humidity < 90%RH non-condensing
溫度範圍 -20 / +50 °C	Temperature range -20 / +50 °C
防護等級 IP40	Protection IP40
材質 鋁合金	Material Aluminum alloy
尺寸 L82xW42xH42mm	Dimensions L82xW42xH42mm
重量 240g	Weight 240g
360°圓形水平儀 $\varnothing 18\text{mm}$ *3pcs	360° circular level $\varnothing 18\text{mm}$ *3pcs
可調式校正器 $\varnothing 14 \times 42\text{mm}$ *3pcs	Adjustable calibrator $\varnothing 14 \times 42\text{mm}$ *3pcs
三角皮帶輪量規 SPZ、SPA、SPB、SPC	V Belt pulley gauge SPZ、SPA、SPB、SPC
單點張力計 0-150N/D-351bs	Belt tension meter 0-150N/D-351bs
外盒尺寸 L235x W180xH70mm	Box dimensions L235x W180xH70mm
總重量 960g	Total weight 960g
專利號碼 TWPAT.NO.M598949	Patent number TWPAT.NO.M598949
TWPAT.NO.M672486	TWPAT.NO.M672486
ZL 2020 2 0747333.1	ZL 2020 2 0747333.1
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最方便迅速準確的皮帶輪雷射對心儀

The Most Convenient, Fast, and Precise Pulley Laser Alignment Tool



精準對心、穩定傳動、節能減碳！

Precise alignment, stable transmission, energy saving, and carbon reduction!

磁吸式設計、攜帶便利、直覺式操作、精準快速

Magnetic design for portability, intuitive use, and precision performance.

適用各種皮帶輪沒有溝槽與皮帶齒形的限制

Compatible with all types of pulleys no limitations on grooves or tooth profiles.

圓型360°水平儀解決立式傳動的角度錯位不對中

The circular 360° level solves angular misalignment of vertical transmission.

可調式校正器解決不同寬度輪子的偏心不對中

Adjustable calibrators addresses eccentric misalignment issues for pulleys of varying widths.

皮帶輪安裝不對心的錯位會造成皮帶跑偏的快速磨損與動力損耗

Misaligned pulley installation can cause belt deviation, rapid wear, and power loss.

皮帶輪準確對心可減少機械振動與噪音，並降低其他零件損壞的風險性

Accurate pulley alignment reduces mechanical vibration and noise, while minimizing the risk of damage to other components.



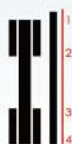
兩帶輪寬度相同時，校準器刻度 0 即為對中點。

For pulleys of equal width: Set the calibrator scale to 0 to indicate proper alignment.

兩帶輪寬度不同時，請將校準器刻度調整為誤差值，使其為對中點。

For pulleys of different widths: Adjust the calibrator scale by the offset value to indicate proper alignment.

TYPES OF PULLEY MISALIGNMENT 皮帶輪偏心不對中的類型



標準對中
Standard alignment



平行式不對中
Horizontal misalignment



角度式不對中
Axial misalignment



傾角式不對中
Twist misalignment

Pulley Alignment Tolerances 帶輪對中容許公差



V型皮帶0.5°(校正器上1mm刻度)
V belt Pulley 0.5°(2mm mark on the calibrators.)



同步皮帶0.25°(校正器上1mm刻度)
Timing belt Pulley 0.25°(1mm mark on the calibrators.)