

## GOTECH "the best partner" to raise your competition

### GT-7001-LAC 開口式電腦系統萬能材料試驗機 Open Crosshead Computer System Universal Testing Machine

高鐵萬能材料試驗機廣泛用於試驗各種材料、成品、結構物之抗拉、壓縮、抗折、彎曲強度及延伸、剪力、撕裂、剝離、破裂、扭力、非金屬材料硬度.....等。為工廠實施品質管理，學校、科研機構研究材料物理特性，發展材料科學之重要設備。

Gotech series of testing machines are widely applied to the strength of tension, compression, bend, shear, tear, peel, rupture, torque and nonmetallic-hardness, etc. Of various materials, semi-finished and finished products, which are essential to factory for performing quality control to academic organization for exploring the physical properties of raw materials, and developing material science.

#### 功能特點：

- 前開口式油壓夾具設計，線控器操作，試片夾持快速、準確、安全、便利。
- 橫擔升降油壓馬達，時規皮帶傳動，橫擔自走式螺桿固定，無須旋轉升降。升降耐久、穩定又安全，線控操作便利、靜音。
- 夾具以單體替換式模組設計，直接抽插替換，適用不同夾片尺寸型態，替換快速簡便。
- 抗壓盤及抗彎折刀，直接套接模組，更替簡便快速。
- 隱藏式多段有效高度調節。使用者可隨時利用橫擔升降來調節設置所需的有效高度空間，簡潔的高度空間變化，更增加了空間利用的適用性。
- With open type hydraulic fixture and linear controller, it can grip specimen quickly and exactly, safely and easily.
- With hydraulic motor, timing belt drive and self-moving screw bolt, the crosshead can lift directly. The crosshead moves up and down slowly, steadily and safely without noise due to utilizing a linear controller.
- The various modular grips are easy and convenient for installation and replacement.
- Use can easily and quickly replace the compression platen and bending fixture owing to the modular system design.
- The effective height is adjustable with concealed driving device. Operator can easily set the effective testing height by moving the crosshead up and down at any time.



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型號	Model	GT-7001-LAC 100	GT-7001-LAC 50	GT-7001-LAC 30	GT-7001-LAC 20	GT-7001-LAC 10
容量	Capacity	1000 kN	500 kN	300 kN	200 kN	100 kN
速度(空負載)	Speed (without loading)	0~70mm/min		0~90mm/min		
顯示方式	Display Method	電腦顯示 PC based				
力量放大倍率	Load Range	無段 Rangeless(full scales at the same amplification)				
分解度	Resolution	1/200,000(或 or1/300,000可指定)				
精度	Accuracy	±1%				
動力方式	Driving Method	油壓系統 Hydraulic System				
抗拉 Tension	最大間距 Max. Space(1)	660mm	500mm	495mm		
	圓棒夾持直徑 Grips for Rod (rod dia.)	Ø13~Ø75mm	Ø12~Ø50mm	Ø10~Ø40mm		
	平面夾距 Grips for Plate	70×90mm	50×80mm	40×60mm		
壓縮 Compression	有效間距 Effective Space(2)	790mm	640mm			
	壓盤直徑 Diameter of Compression Platen	Ø160mm	Ø120mm	Ø100mm		
彎折 Bending (另購)	有效間距 Effective Space(3)	365mm	390mm	380mm		
	抗彎座 Supports	最大支點間距 Max. Space (between two fulcrums) 支點直徑×寬幅 Fulcrum Size (dia × width)	340mm	390mm		
	抗彎刀 Punch	刀緣半徑 Radius of Punch 刀寬幅 Punch Width	R22mm		R16mm	
			160mm	120mm	100mm	
油壓行程	Ram Stroke	230mm	220mm			
調速方式	Speed-adjusting Mode	手動調速 Manual adjustable				
支柱內側有效間距	Effective space( between two columns)	650mm	495mm	500mm		
橫擔升降動力	Crosshead Driven by	油壓驅動橫擔自走式 Hydraulic System				
橫擔升降速度(約)	Crosshead Speed (approx.)	200mm/min				
體積 Dimension (W×D×H)	主機 Main Unit	116×68×281cm	126×90×275cm	96×60×226cm		
	控制箱 Control Unit	119×69×145cm	109×65×116cm	119×69×145cm		
重量(約) Weight (approx.)	主機 Main Unit	3630kg	2600kg	1470kg		
	控制箱 Control Unit	255kg				
電源	Power	3φ,220V,20A;3φ,380V,14A	3φ,220V,13A;3φ,380V,10A			

說明：表格內(1)"最大間距"，不含油壓行程；(2)·(3)"有效間距"，裝置壓盤，含油壓行程。  
 Note：(1)excluding the ram stroke;(2),(3) includes the installed compression plate and the ram stroke.



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**高鐵科技股份有限公司**  
**GOTECH TESTING MACHINES INC.**

本廠: 台中市工業區24路28號

二廠: 台中市工業區24路31號

TEL: (04)23590061

FAX: (04)23591553

網址: www.gotech.biz E-mail: gt112@gotech.biz

**高鐵檢測儀器有限公司**

**GOTECH TESTING MACHINES CO., LTD.**

地址: 廣東省東莞市南城區宏圖高新科技開發區宏三路

TEL: 0769-89986666 22400899 FAX: 0769-22400699

E-mail: gt-d130@gotech.biz

手機: 13926831580

**高特威爾檢測儀器有限公司**

**GOODTECHWILL TESTING MACHINES CO., LTD.**

地址: 中國青島市市北區哈爾濱路52號青建太陽島1號商務樓8層

TEL: 0532-85931956 85931957 FAX: 0532-85931950

E-mail: gt-q101@gotech.biz

手機: 13708970121