

Product Presentation



Application

The Mattress Roller Tester is an instrument for testing the bearing capacity and durability of various types of mattresses for long-term repetitive loads.

Principle

It is designed by imitating people continual roll over on the mattress (positive pressure, lateral pressure, and overturn, etc.). Use cylinder or hexagon to load the testing part of mattress which is horizontally placed for repeated loading, to determine the mattress endurance for long-term repetitive loading.

Feature

1. The whole machine frame made of high quality aluminum, beautiful.
2. PLC and controller using the Japanese OMRON brand
3. Machine configuration two motors, one for the vertical direction of the roller, and the other is responsible for the horizontal direction of the drum drive, the two motors are used in Japan Matsushita servo motor
4. Machine configuration of the screw is my company specializes in high-speed customized screw, low noise, high wear resistance.
5. Machine configuration alarm device, indicating the safe operation

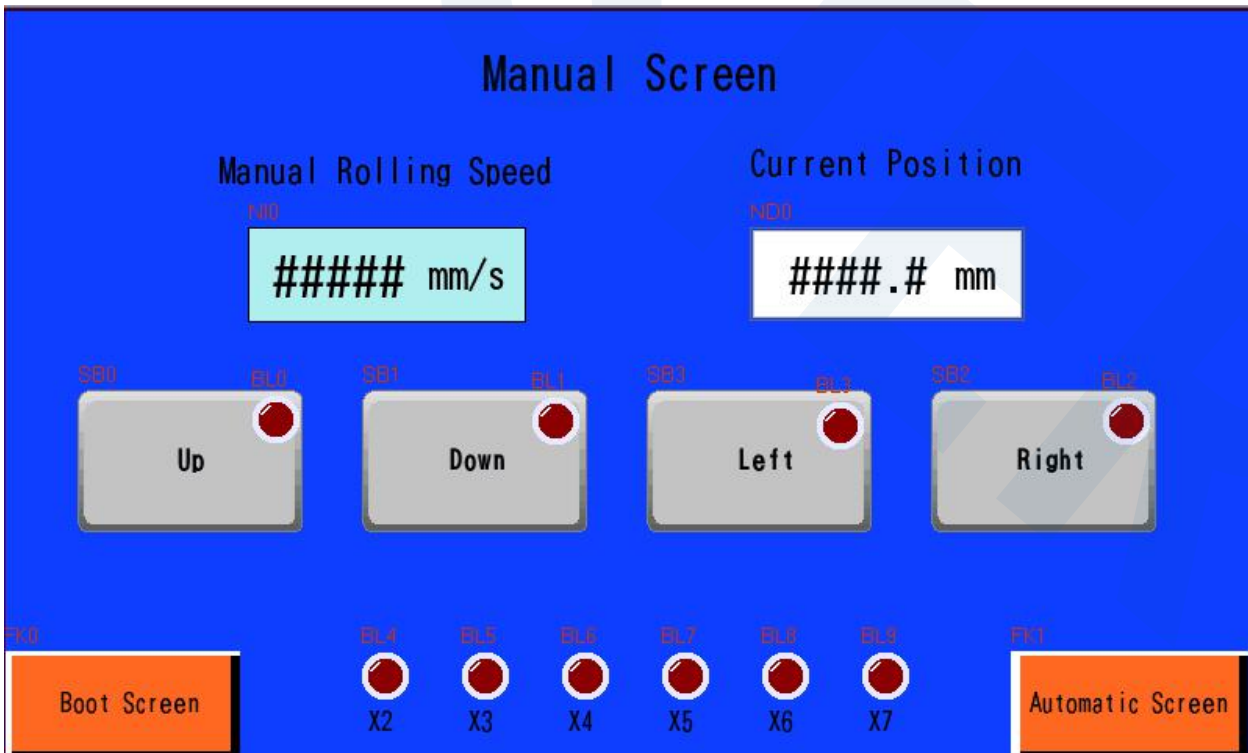
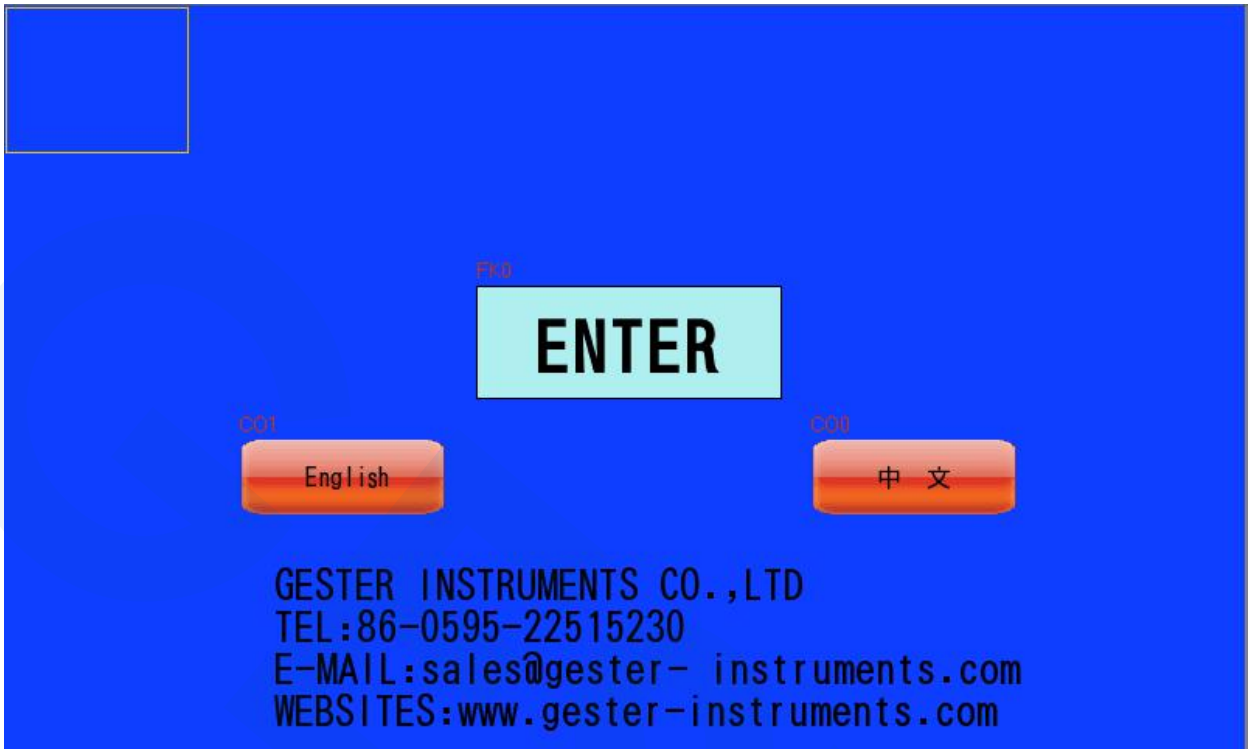


Key Specification

Model	GT-LA02A	GT-LA02B
Cylinder Shape	Hexagon	Round
Cylinder Length	36±3in(915±75mm)	1000mm
Cylinder Weight	240±10Lb(109±4.5kg)	1400N
Drum diameter (face to face)	17±1in(430±25mm)	300mm
Controller	PLC programmable control ,(OMRON)	
Motor	Japan Panasonic	
Test speed	0-20cpm (adjustable)	
Stroke	0--1000mm	
Power supply	1 φ , AC 220V 50Hz	
Dimension (WxDxH)	295*245*215CM	
Weight	≈900Kg	
Standards	ASTM F1566	BS EN 1957, QB/T 1952.2



System interface





Run Parameter

<p><small>N00</small></p> <p>Manual Rolling Speed ##### mm/s</p>	<p><small>N02</small></p> <p>Automatic Rolling Speed ## Cycles/Min</p>
<p><small>N01</small></p> <p>Rolling Left Position ####.# mm</p>	<p><small>N03</small></p> <p>Rolling Right Position ####.# mm</p>
<p><small>N04</small></p> <p>Set Rolling Cycles #####</p>	<p><small>N05</small></p> <p>Acc/Dec time ### ms</p>

FK0

Boot Screen

FK2

Manual Screen

FK1

Automatic Screen

Automatic Screen

<p>Set Rolling Cycles</p> <p><small>N04</small></p> <div style="border: 1px solid black; padding: 5px; width: 100px; text-align: center;">#####</div>	<p>Current Rolling Cycles</p> <p><small>N01</small> ##### <small>SB4</small></p> <p style="text-align: right;">Clear</p>
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SB2 BL2

Return Origin

SB1 BL1

Pause

SB1

Stop

SB0 BL0

Start

FK0

Boot Screen

FK3

Alarm Screen

FK2

Manual Screen

FK1

Run Parameter