



DUNLOP STRINGING MACHINE 2.0

UK OWNER'S MANUAL



Content

Content	2
Machine Dimensions	3
Description of Parts	4 - 6
Accessories	7 - 8
Tool kit	9
Assembly Instruction	10-13
Control Panel	14 - 17
Clamp System	18
Mounting a Tennis Racket	19 - 21
Stringing	22 - 25
Mounting a Badminton Racket	26 - 27
Calibration	28 - 29
Trouble Shooting	30 - 31
Maintenance Tips	32



Machine Dimensions

EX-TE2931



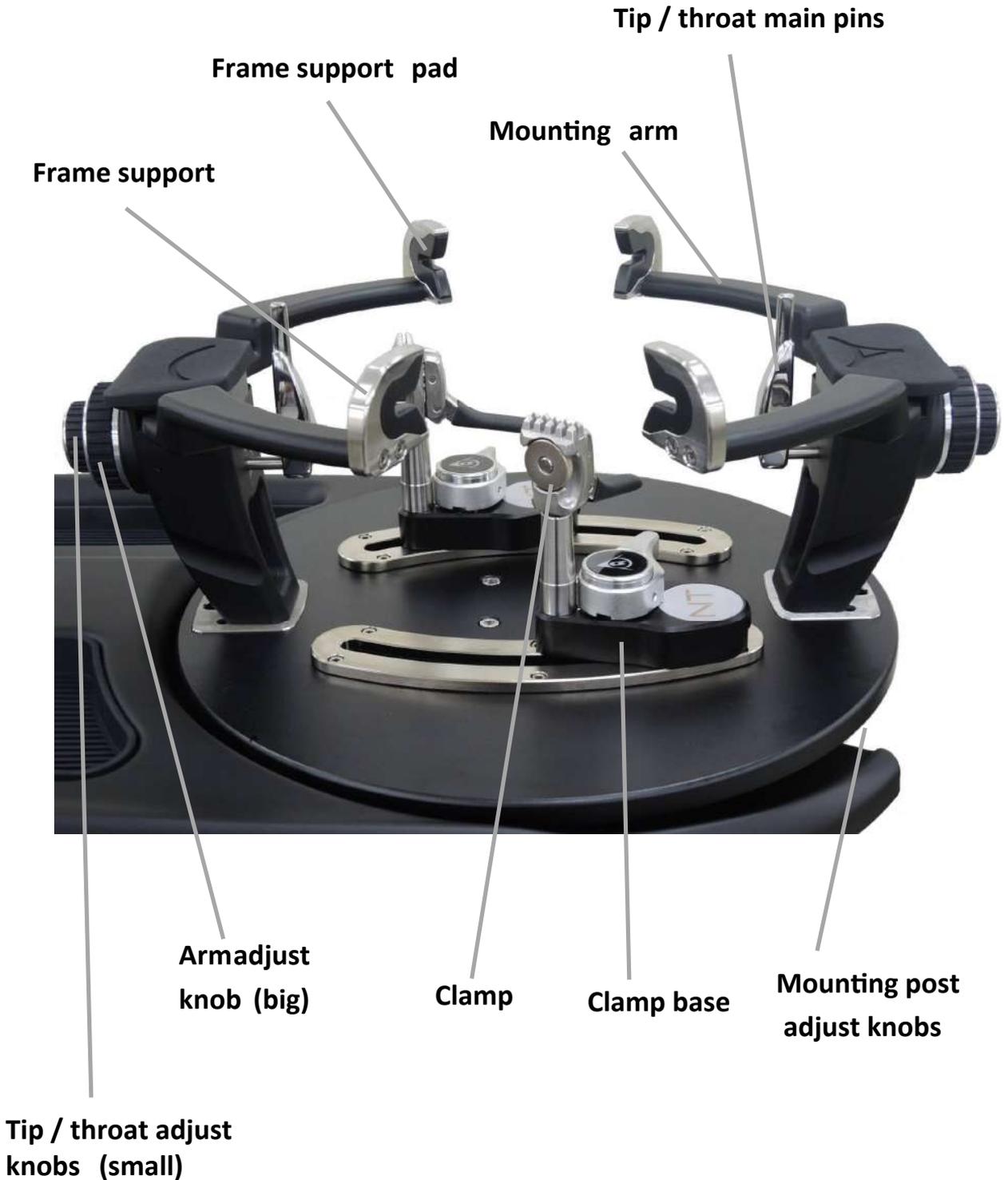
Description of Parts

EX-TE2931
Tension head



Description of Parts

Mounting System



Description of Parts

Stand Set

DC Power connector

Height adjust crank handle

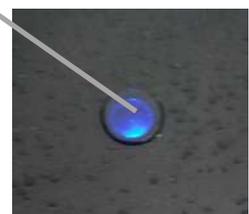


String reel hanger

Power socket

Power supply Light

Power supply



Accessories



Dust cover

3mm T- shape allen wrench

String mover

Tool kit

Power cord

6 mm L-shaped allen wrench

5 mm L-shaped allen wrench

3 mm L-shaped allen wrench

2.5 mm L-shaped allen wrench



String cutter



13mm Box & open end wrench

Accessories | 配件

Item	For tennis	For badminton	Special
L-shape main pin	<p>Short</p> 	<p>Long</p> 	<p>N/A</p>
Racquet frame support pad			<p>Pad with special bevel, for racquet head</p> 
L-shape main pin pad			<p>Universal</p> 



Tool kit

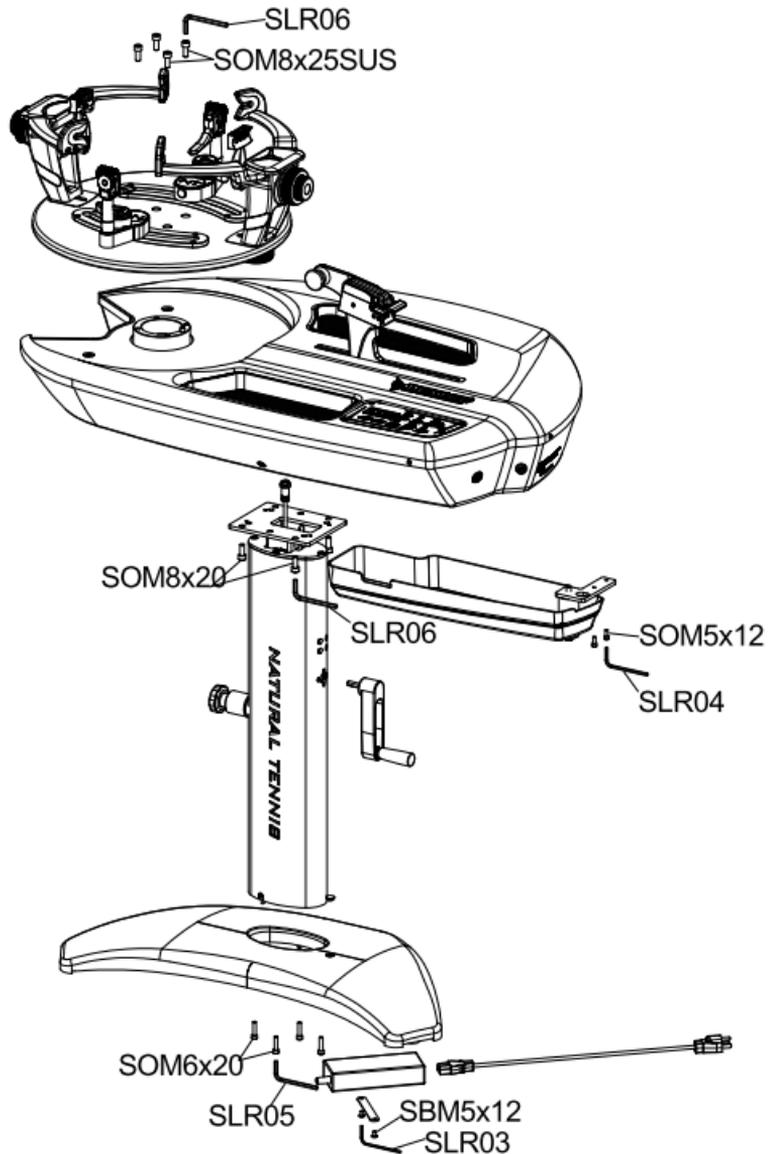
- 1 Curved Pliers
- 2 Starting Clamp
- 3 Setting off Awl
- 4 Stringing Awls
- 5 Tension adjust driver
- 6 Diagonal Cutting Pliers



Assembly Instruction

* There are two options of power supply location. One is to hide under the stand set. Another one is put the power supply outside of the machine and connect to the connector in the side of the tension unit.

* * Please connect the power supply by one option only, do not connect both of the power supply connector at the same time.



EX-TE2931



Assembly Instruction



Using 5 mm allen wrench to tighten 4 screws (SOM6x20mm).



Insert the power cord plug to column.



Pull the power cord out from other end of the column.



Put the adapter in the groove of foot. Tighten the fixed bar of the adapter with the foot by 3mm allen wrench.

Assembly Instruction



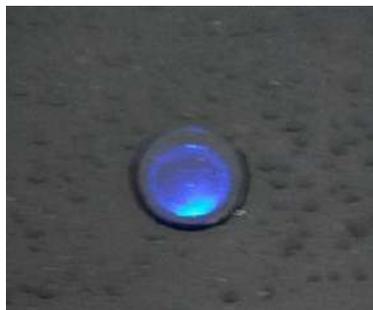
Use 13 mm Box & Open End Wrench to tighten string reel hanger .



Pull out the handle and insert the height adjust crank handle to the column.



Upright the stand set.



Power supply light for checking if the power supply functions well.

Assembly Instruction



Lift the machine top part by two people.

Connect the power cord to the machine base by the third person.



Fix the machine top on the stand set by using 6mm allen wrench to tighten the 4 screws (SOM8x20).



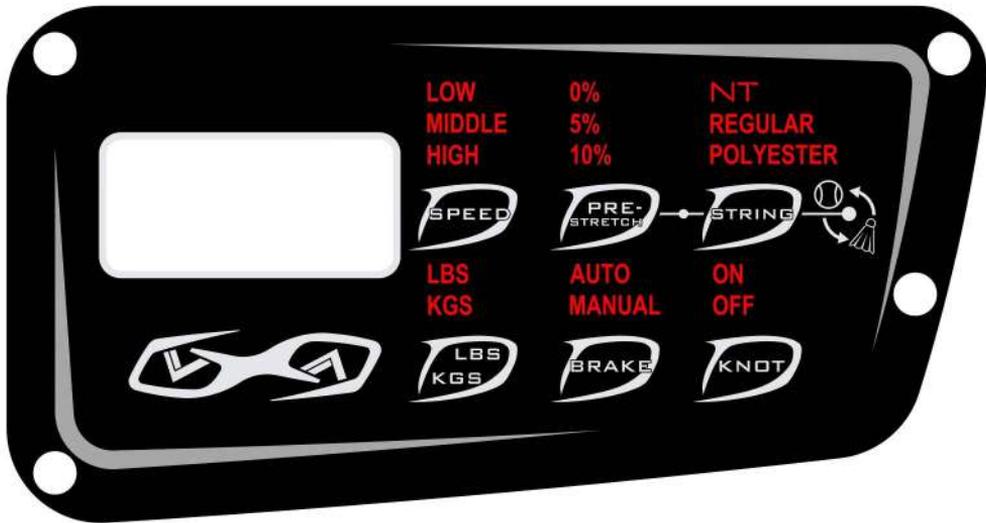
Fix the drawer on the machine base by using 4mm allen wrench to tighten the 2 screws (SOM5x12).



Machine assembly is finished and ready to stringing.



Control Panel



SPEED

According to the elongation of different string, to choose the pulling speed (LOW, MIDDLE and HIGH). It's recommended to use the LOW speed with low elongation strings or strings of a more fragile nature such as natural gut. The MEDIUM speed is well suited for polyester type strings, and the HIGH speed is suitable for nylon synthetic type strings.

PRE-STRETCH

To avoid the tension loss which is caused by string elongation stringing. Some stringers would "pre-stretch" strings to reduce the amount of tension loss.

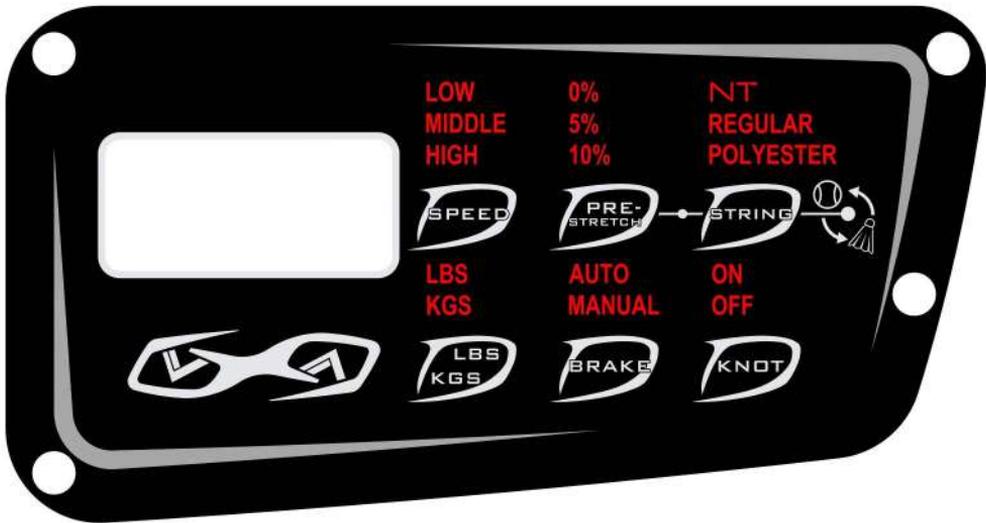


(up & down)

For stringing tension adjustment, increase and decrease the tension.



Control Panel



LBS / KGS

Press this button for 3 seconds to switch the tension unit between LBS and KGS

KNOT

Press “knot” button which will increase tension of 10% before knot.

BRAKE

Auto & manual mode.

Press brake button for few seconds to switch the brake mode.

In the AUTO brake mode the turntable will be locked when pulling, then unlocked when tension is released.

In the MANUAL brake mode, the turntable can be locked / unlocked by press the BRAKE button.

Control Panel



Check pulling counts

Press KNOT key for 5 seconds and the pulling counts records will be displayed and press KNOT key again to return.

Press ▼ key for next page of pulling counts records. There are 3 pages of the pulling counts records.

First page	Second page	Third page	Full records	Pulling counts
C-0	000	168	C-0000168	168 times



Control Panel



Tennis / Badminton mode

To provide a quite way for stringers to switch stringing mode , stringers can just press buttons to switch to the tennis or badminton mode. Then the string gripper will be move to proper position in tennis and badminton mode.

Press **PRE-STRETCH** and **STRING** key at the same time for 2 seconds to switch the tennis or badminton mode. The tension will be set in 22lbs. when switch to badminton mode and 50lbs. in tennis mode.

Tennis mode



Badminton mode



Clamp System



Open the clamp handle and let it fall down can release the clam base at the same time.



Also can push the button to open the base depend on stringer's choice.

Mounng` a Tennis Racket



Adjust the frame support posts to the proper position according to the racquet frame.



Insert the tennis L shape main pins in the frame support posts.



Insert the tennis frame support pads of throat side in the frame supports.



Insert the tennis frame support pads of tip side in the frame supports.

Mounting a Tennis Racket



Insert the proper frame pads on the main pins.



Place the frame at the middle of mounting system.



Adjust the big knobs to let the frame supports touch racquet.



Adjust the small knobs to let the frame pad of main pin touch racquet.

Mounting a Tennis Racket



Double check the 2 big knobs if tighten.

Finish the frame mounting and ready to stringing.

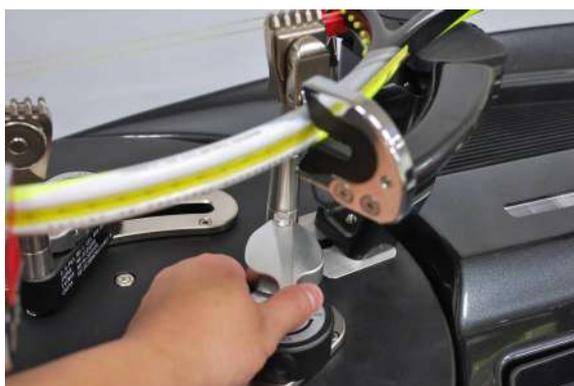
Stringing



String the two strings of the center at the same time.



Move clamp base to the appropriate position and clamp one of string.



Lock the clamp base handle tightly.



Use the another clamp to clamp another string.

Stringing



Clamp a start clamp as close to the clamp as possible.



Tension the first string again. Release the string clamp and clamp again while tensioning. This step is for retrieve the tension loose.

◦



Keep string the 2nd string.



Pull the other string which is clamped by start clamp.

Stringing



Remove the start clamp after tenioning.



Clamp the string which is close to the tensioning side again.
Then finish the main strings..



Press the “KNOT” button to increase 10% of setting tension before pulling the last main string.



Pull the last main string and clamp it then knot it.
Use the start clamp to knot the last main string.

Stringing



Keep stringing the cross strings and finished the stringing.



Releasing the Racquet –
Loosen the Tip/Throat pins by turning the small knob.



Then loosen the mounting arms by turning the big knob. Thus allowing you to take the strung racquet from mount system easily.



To book an Official Dunlop Stringing Course speak to Master Racquet Technician, Liam Nolan from the UKRSA

Liam@ukrsa.com



Mounng` a Badminton Racket



Adjust the frame support posts to the proper position according to the racquet frame.



Insert the badminton L shape main pins in the frame support posts.



Insert the badminton frame support pads in the frame supports.



Insert the badminton frame support pads in the main pins.

Mounting a Badminton Racket



Mounting the badminton racket per the steps of page 18~20.

Calibration



First, set the brake on MANUAL mode.

Turn the mounting system and move the clamp base position as the picture showed. Make sure the clamp align to the gripper jaw. Preset the tension value to 30 lbs. We recommend to test at least 3 different tensions (30, 40 and 50 lbs.) to get more precise calibration. The reasonable calibration is +/-1 lbs.

If the tension needs to be adjusted, please refer to the next page.

Calibration



Using a 2.5mm L-shape allen wrench to loosen the 4 screws on the control panel and lift the right side of control panel will find the fine adjustment knob of tension adjusting.

Tension adjusting range: +/- 3 LBS
Turn Right + / Turn Left -
Twist 2 ~ 3 circles for 1 LB.

*** Above adjusting please ask for engineer's advice.**



The tension adjusting should operate under the non-pulling condition.

After the tension adjusting, operate the steps of the previous page again to calibrate tension. Keep doing the previous steps until the tension is precise.

Trouble Shooting

Error Message :

E01 - Sensor

E02 - Start Switch

Please contact engineer for technical advice once you got error message or refer to the below instruction of primary inspection.

E01 primary inspection -

- 1) Check the below point wire connection.
- 2) Contact engineer

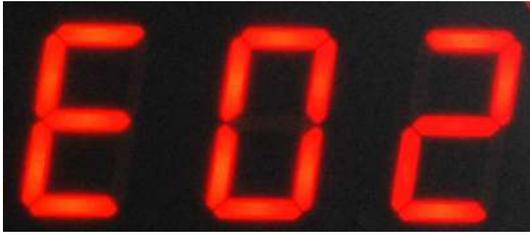


Using a 2.5mm L-shape allen wrench to loosen the 4 screws on the control panel and lift the right side of control panel



Check the wire connection of sensor for the E01 error.

Trouble Shooting



E02 primary inspection -

- 1) Check the status of start switch.
- 2) Check if the gripper jaw is stocked toward the tip.
- 3) Check if the wire of start switch is broken or not connected.



Maintenance Tips



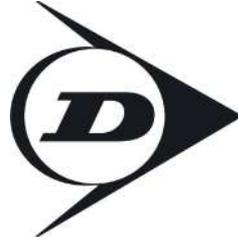
In order to avoid string damage, adjust the string clamps pressure to eliminate string slippage and avoid over tightening before you start stringing.



When the clamp base locking lever had been well locked but still feel some slight movement on the base, please use a 3mm T- wrench to fine tune the screw as shown. Turn it clockwise to tighten the base, avoid excessive turning to cause the Base moving difficult.



The contact surface of the string clamp handles receive a lot of compression while locking and unlocking clamp; therefore it is recommended to use Teflon based oil to keep this part well lubricated.



 <p>LTA TENNIS FOR BRITAIN</p>	 DUNLOP
Official Stringer	