

 **TECNIFIBRE**

TF 8000



***User's
manual***



Introduction

TECNIFIBRE would like to sincerely thank you for your recent purchase of our stringing machine .

Over the years, TECNIFIBRE, the official stringer of some of the world's most prestigious tennis tournaments, has acquired tremendous experience and expertise in stringing machines. TECNIFIBRE and its research department have applied this knowledge to produce a very high-quality machine.

The TF 8000 was specifically designed to string tennis, squash, and badminton racquets with extreme precision. In order to fully appreciate every aspect of this stringing machine, we invite you to thoroughly read this notice. It has been written so that you may have all of the necessary information and advice for proper usage. However, if you still have questions or desire further explanation, we are here to assist you. You can find information concerning our customer services at the end of this booklet in the "customer service section".

We thank you again for your trust and patronage and wish you much pleasure with the TF 8000.



TECNIFIBRE



Security Instructions



The TF 8000 is a highly-technological stringing machine that requires certain precautionary and maintenance measures, which are explained at the end of this booklet in the “maintenance section”.

Therefore, we advise the thorough reading of this notice informing of hazardous manoeuvres that could put the user in potential danger and/or seriously damage the machine. We also ask that particular attention be paid to the above sign. It is to attract the user’s attention and serve as a cautionary or warning symbol.

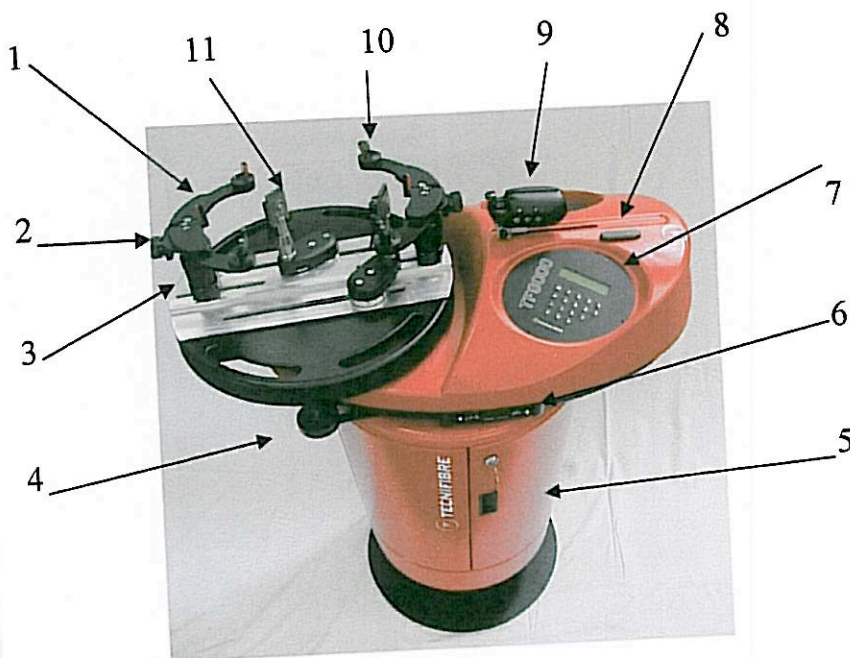


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Description



- | | |
|-----------------------------|--------------------|
| 1. Inner mounting clamp | 7. Control panel |
| 2. Cradle adjustment button | 8. Tension button |
| 3. Column adjustment button | 9. Tension head |
| 4. Reels support | 10. Racquet holder |
| 5. Stand | 11. Tension clamp |
| 6. String length measurer | |



Caractéristiques

Dimensions

Length 1050 mm

Width 560 mm

Height 360 mm (machine on a table)

You can adjust the height of the stand between 730 mm and 850 mm. Therefore, the height of the machine fixed on the stand vary from 1090 mm to 1210 mm.

Weight 47.5 kilos

Electrical Specifications

Tension 105V, 115V, 240V

Frequency 50/60 Hz

Absorbed Power 0.06 KW

Tension of the command circuit 5V

Tension of the power circuit 20V

Tension

Tension Range 4-40 kilos = 8.8-88.8 lbs.

Tension Precision 0.1 kilo = 0.22 lbs



Unpacking/Assembling

Unpacking and assembling the TF 8000 are important steps that need to be carefully carried out in order not to damage the machine.



The help of another person might be required as the following manoeuvres might be difficult if executed alone.

Unpacking

Two boxes will have been delivered to you if you chose to order the stand.

Box N°1

It contains the stand of the TF 8000 and its furniture. The cradle lies on the central metallic plate that sticks out of the furniture.

Box N°2

The TF 8000 is secured by special locks that allow the safe shipment of the machine.



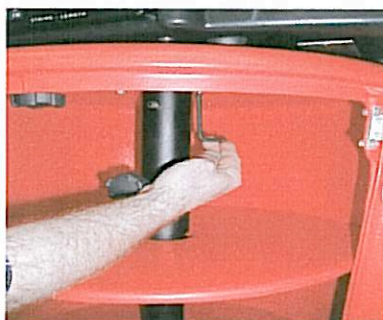
- Turn the machine over and unscrew the 4 drawstrings that hold the machine with the Allen Key N°6



Assembling



- Pick up the machine and place it on the top of the metallic plate.



- To fix the furniture with the machine, screw the fixing screws with the Allen Key No 6 through the inside of the furniture.

Plug the electrical cord in the machine and then plug it into the jack.

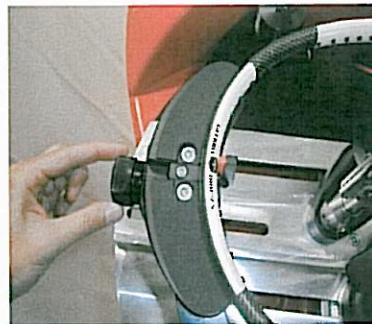


Putting the racquet into position

From the smallest badminton racquet head size to the largest tennis racquet head size, the cradle of the TF 8000 was designed to string all types of racquets without requiring special adaptors. The handles mounted on the turntable assist in giving more control during stringing operations.

Please follow these instructions when putting the racquet into position:

- Slide the mounting stocks by loosening the plastic knurled nuts that are located underneath the mounting stocks.
- Symmetrically slide the columns to bring the two inner frame clamps into contact with the frame.
- Having already adjusted the mounting stocks, the knurled nuts to position the frame.

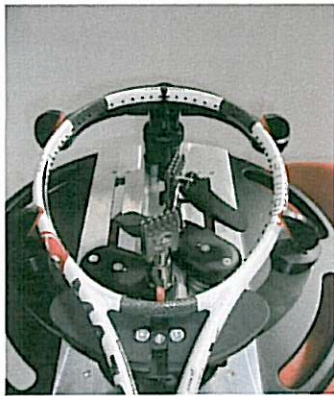


Do not over tighten the frame.





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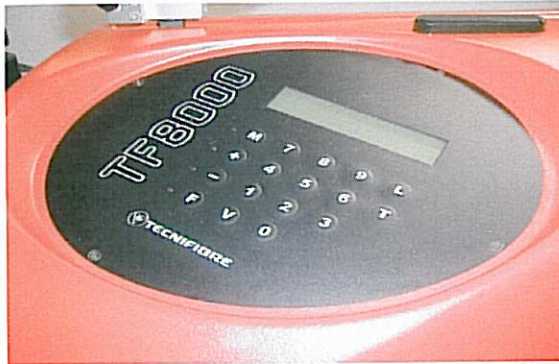
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Control Panel

The TF 8000's central computer has been designed in a way so that the control panel is simple to use. We guarantee the mastery of its functions after stringing only a few racquets.

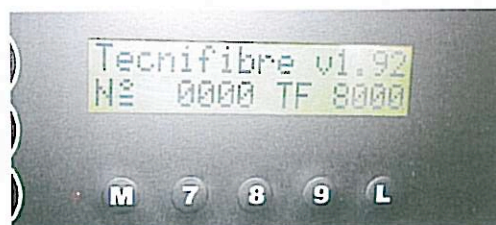
First, it is necessary to become familiarized with the keyboard using the picture below for help.



Start up

- To start the TF 8000, switch the power button located near the machine's electrical plug to the "ON" position.

When the machine is first turned on, the word **TECNIFIBRE**, the machine version, and the machine number appear on the screen of the control panel for approximately 4 seconds.





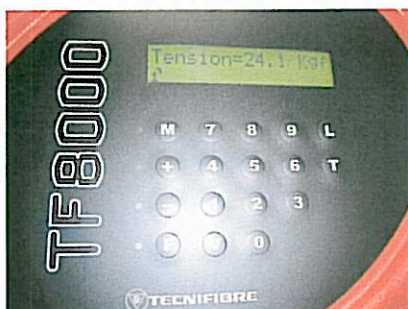
Speed

The TF 8000 has 5 speeds of traction. Speed 1 is the slowest and often used to tighten knots. Speed 5 is the fastest. Speed 3 is the one recorded automatically. The speed being used appears on the bottom left corner of the screen.

- To switch speeds, press “V”. The speeds will be displayed one at a time. Choose the desired speed.

Tension

The TF 8000 was designed to string badminton, squash, tennis racquets between 4 to 40 kilos.



- To program the tension, simply press the number keys. For example, for a tension of 24.1 kilos, press the “2”, “4”, then “1” key.
- For a tension in lbs., press “L” and then enter the desired tension (1 lb = 0.453 kg).



Do not forget to enter « 0 » for a desired tension such as 20 kilos. For example, for a tension of 20 kilos, press the “2”, “0”, then “0” key.



The last unit of tension selected will remain in memory. Therefore, make sure to check the unit of tension after turning the machine back on



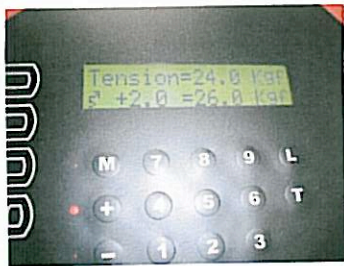
Options

The Plus Tension

This option allows the racquet to be slightly over tightened.



Once the string has been stretched with extra tension, the extra tension display goes blank, and the value is no longer taken into account..



- Press “+” to add extra tension; the diodes should light up.
- Enter the desired value. The value added to the initial tension can be up to 4.4 kilos/9.7 lbs. However, the total tension (initial tension + plus tension value) cannot exceed 40 kilos/ 88.8 lbs.

- To cancel the plus tension and continue stringing at the initial tension, press “+” again. This is not necessary if the string has already been stretched.

The Minus Tension

This option allows you to tighten the string at a lower tension.



Once the string has been stretched using a lower tension, the minus tension remains effective. To stop this function, please push the minus tension button. Tension will then come back to starting tension.



- Press “-” to string at a lower tension; the diodes should light up.
- Enter the value desired. The value subtracted from the initial tension can be up to 4.4 kilos/9.7 lbs. However, the total tension (initial tension – minus tension value) must remain within 4 to 40 kilos.
- To cancel the minus tension and continue stringing at the initial tension, press “-” again.

Warning



The plus and minus tension are effective when the diode lights up

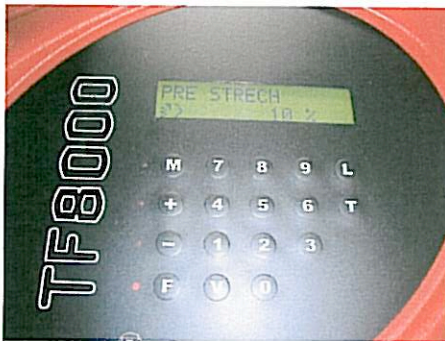


Screen always shows the tension at which the string will be pulled on the second line.



Pre-stretching

This function allows a light pre-stretching of the string using a tension stronger than the one initially desired.



- Push "F"; the corresponding diode should light up.
- Choose a value from 0 to 20. This value represents the percentage of the initial tension that you wish to add.

For example, if the initial tension is 25 kilos and the selected value for the pre-stretching is 10%, the extra amount of stretching will be 2.5 kilos. First, the machine will tighten the string at 27.5 kilos before coming back to 25 kilos, the initial selected tension.

It is possible to add or reduce this value by using the "+" or "-" buttons. However, entering a new value would instantly cancel the previous value.



Choosing the value "0" cancels the pre-stretching function.

- Push "F" again in order to exit the program; the red corresponding diode stays lit in order to signal that a pre-stretching value has been retained.
- Push "F" once more in order to verify the selected value or simply to change it.



Reel

This reel can be placed on a small platform when the stringer must take string from it. This accessory is found at the lower left side of the cradle. In order to use the platform, slightly unscrew the knob located on the furniture and pull the platform out.



Furniture / Stand

The height of the furniture can be adjusted.

In order to adjust the height:



- Open the furniture doors and loosen the black knob.
- Adjust the furniture to the desired height.
- Tighten the black knob.

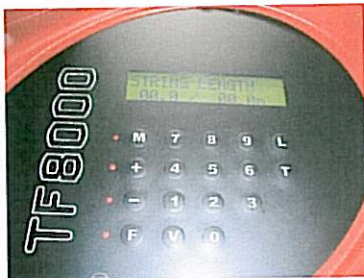


String Length Mesurer

The TF 8000 is equipped with a new device that accurately measures the length of the string. This device is very useful when using reels. Please read this notice entirely before attempting to measure string, as there is very important at the end.

Instructions for measuring strings:

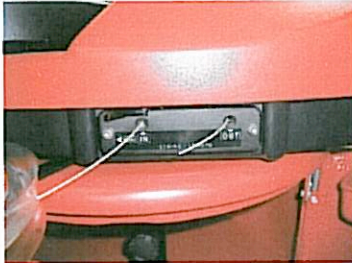
- Cut the extremity of the string



- Press "M"; the diodes should light up.
- Using the keyboard, enter the desired length of the string. The value entered should appeared on the left side of the screen on the control panel.



- If this value needs to be changed, press "0" until the 4 diodes light back up.
- To measure the string in a different unit, press the "lbs" button.
- To clear all the values entered, press "T".



already been measured.

- With the left hand, insert the bevelled end of the string into the “IN” slot (**while pushing the black button on the left**) and pull the string out with the right hand. The value that appears on the right side of the screen on the control panel is the length of string that has

The number on the right indicates the measured length of the string.

- The first diode lights up when the length of the string already measured is 1.5m from the total value previously selected.
- The second diode lights up when the length of the string already measured is 1m from the total value previously selected..



- The third diode lights up when the length of the string already measured is only 50 cm from the total value previously selected.

- The fourth diode lights up when the length of the string pulled through reaches the total value previously selected.

- Cut the string 5 cm after the OUT hole.



The string length measurer is one-directional system ; if the length exceeds the selected value, it is not possible to reduce the length by pulling the string back the other way. The string length measurer will add it to the length already measured. Therefore, when approaching the selected value, pull the string out carefully.



When the machine is turned off, the previously selected string length will remain in memory. Therefore, make sure to enter different values if needed when turning the machine back on.



Tension head



- Place the string between the teeth of the tension head.



- Press the black tension button. The tension head should pull the string at the selected speed and desired tension after the black tension button is depressed.

The tension head can be pulled up to 30mm. To do so, just pull the tension head upwards. Push down on tension head to come back to previous position.



The tension head can also be moved forward in 4 different positions. This option is very useful when the length of the string appears too short to be pulled.

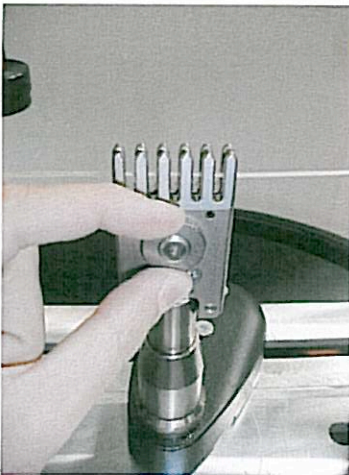




How to adjust the tightness of the clamp

We recommend that you adjust the tightness of the clamp according to the different string gauges in order to insure precise tension and avoid placing too much pressure on the string, which could seriously compromise its durability.

To adjust the clamp, place the string between its teeth:



- If the lock of the clamp appears too tight, loosen the knurled wheel in order to widen the space between the teeth of the clamp.

- If the string slides between the teeth of the clamp, slightly tighten the knurled wheel to diminish the space between the teeth of the clamp.

Thus, one must smoothly execute the locking of the clamp, while firmly maintaining the string.



Manipulating the clamp

A system allows the clamp to automatically rise back up towards the string in order to facilitate the placing and closing of the handle to secure the string.

To manipulate the clamp, lightly press it downwards. It should move without difficulty. Next, let the clamp rise back up towards the string and close the handle.



Maintenance

TF 8000 requires a very limited maintenance. However, we recommend you follow those very simple rules :

- Take off the dust of the cradle.
- Clean up the top part of the tension clamp base with a duster and some grease.
- Put 1 drop of silicone inside the tension clamp every 6 months.



Using solvent is strictly forbidden.

Any liquid (ink, coffee, etc...) could damage the use of the machine

We invite you to follow those maintenances tips in order to insure the quality and reliability of the TF 8000 stringing machine.

Changing the fuses

Fuses type : HPC 5x20mm located at the right of the on/off button.



- With a screwdriver, rotates $\frac{1}{4}$ lap in the counter clockwise way.
- Take off the damaged fuse and replace with the new one.

Higher fuse : calibre 5A

Lower fuse : calibre 1A



Tools

If the necessary equipment for operation and maintenance of the TF 8000 are not available, do not hesitate to contact TECNIFIBRE to get the fully equipped tool case including :

- Cam Action Pliers
- Cutting –nippers
- Grip Pliers
- Scissors
- Long-nosed Pliers
- Setting-of-awl
- Awl

This tool case is sold separately from the TF 8000. For further information, please contact our export department at Major Sports at 00-33-1-30-54-97-16 or 00-33-1-30-54-97-38.



Customer service

TECNIFIBRE and SPENLE Company have been working together for the last 16 years in order to continuously improve our top quality stringing machines. In the event of a technical problem or any other difficulty you might have with the machine, we recommend that you directly contact SPENLE Company. We guarantee that you will be given professional assistance and service in a timely manner.

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