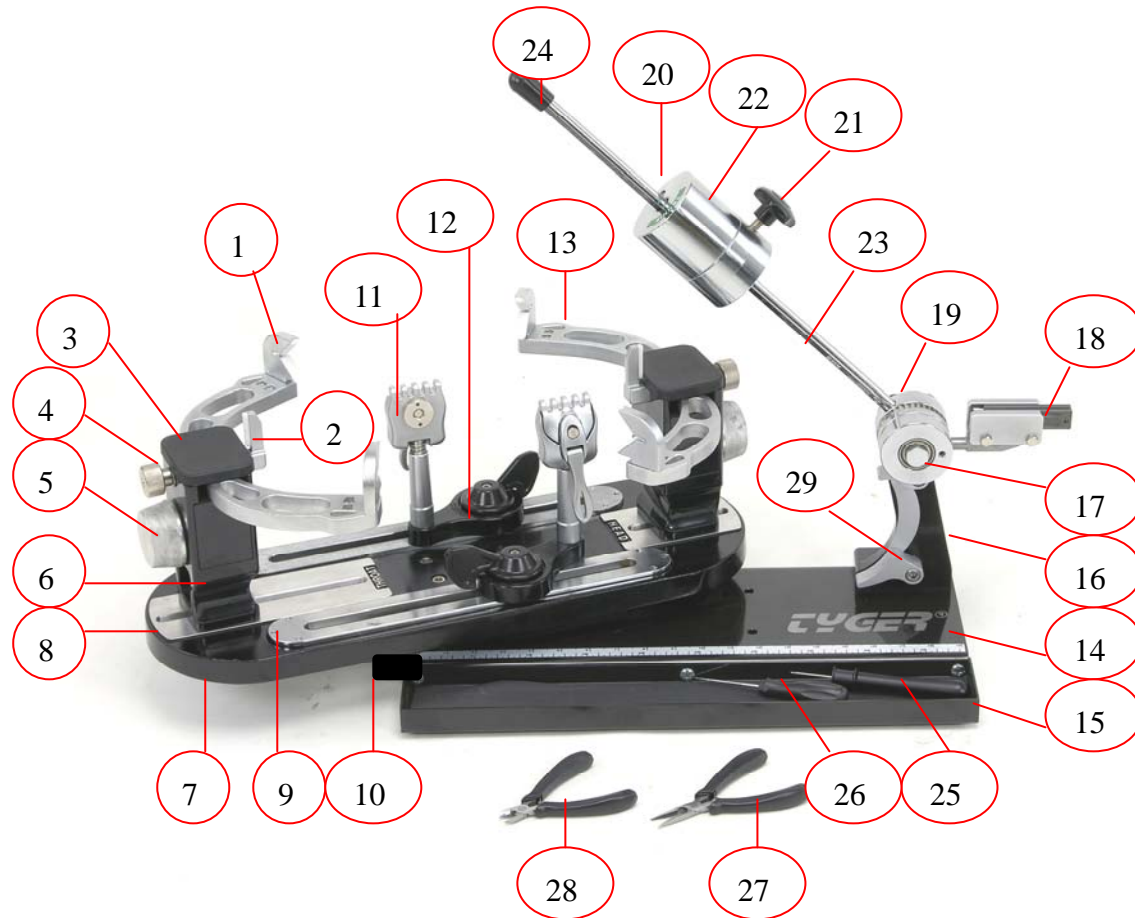


LYGER®
STRINGPROFI 52
STRINGING MACHINE
USER'S MANUAL



Anatomy of **StringProfi 52** Stringing Machine

1. Side Support
2. Center Support
3. Rubber Cover
4. Center Support Arm Adjustment Knob
5. Side Support Adjustment Knob
6. Mounting Stock
7. Mounting Stock Locking Knob
8. Turntable
9. Turntable Track
10. Brake Knob
11. Swivel Clamp Base
12. Swivel (String) Clamp
13. Side Support Arm
14. Base
15. Tool Tray
16. Tensioner Post
17. Ratchet Drum
18. Linear Ball Bearing Gripper
19. Tension Arm Locking Screw
20. Allen Bolt
21. Locking Knob of Tension Weight
22. Tension Weight
23. Tension Arm
24. End Cap for Tension Arm
25. Hole Finer
26. Awl
27. Needle Nose Pliers
28. Diagonal Cutter Pliers
29. Release Device



Assembly Instructions :

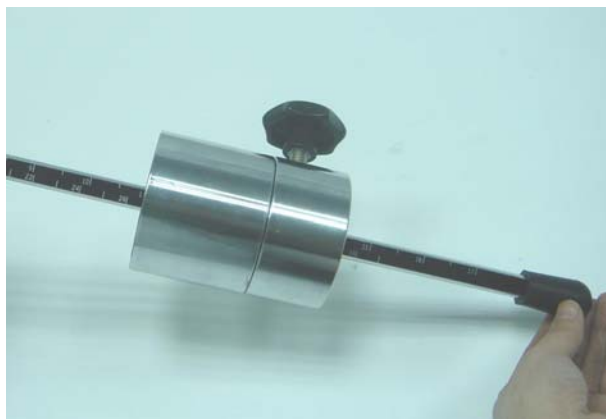
ASSEMBLING THE TENSION ARM :

Insert the tension arm into the corresponding hole in the string gripper. Note that a small hole is drilled near the end of the tension arm. After inserting the tension arm, fasten the Allen set screw by a 3 mm Allen wrench.



INSTALLING THE TENSION WEIGHT :

Remove the end cap from the tension arm and slide the tension weight onto the tension arm. Note that the arrow mark on the tension weight should face down as shown and point to the desired tension scale. Secure the tension weight to the tension arm by tightening the locking knob. Replace the end cap.



Mounting The Frame :

Inserting the Side Supports

Insert the side supports into the proper hole on each side support arm and set the side supports at the right angle for mounting the racquet frame.



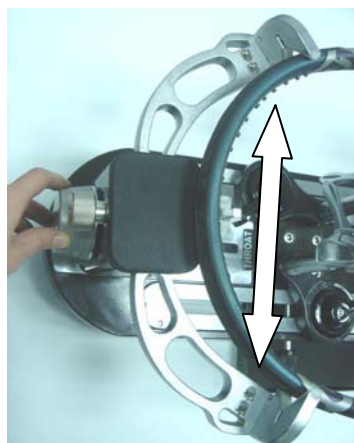
Adjusting the Mounting Stocks

Loosen both mounting stocks by turning the mounting stock knobs counterclockwise. Place the racquet frame properly on both mounting stocks and adjust the distance between the mounting stocks to accommodate the size of the racquet frame. Turn both mounting stock knobs clockwise to lock both mounting stocks in position.



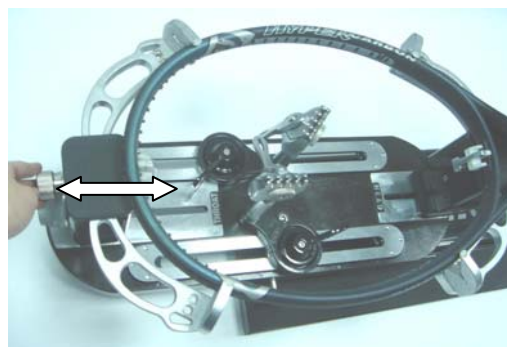
Side Support Adjustment

Turn the knobs at the bottom of each mounting stock clockwise to bring the side supports in the contact with the racquet frame at all four points.



Center Support Adjustment

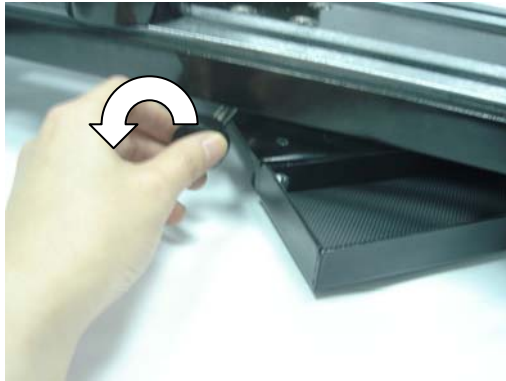
Turn the knobs at the upper of each mounting stock clockwise until snug against the racquet frame and slight resistance is felt.



Stringing The Frame :

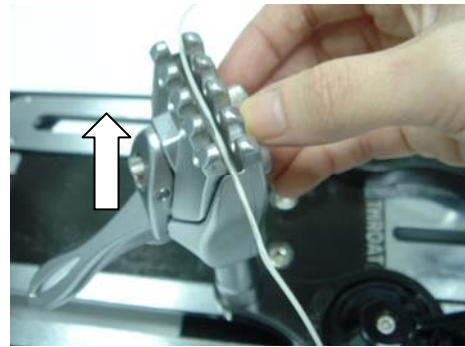
Unlocking the Turntable

Turn the brake knob counterclockwise to unlock the turntable so that the mounting head can be rotated freely.



Swivel Clamp Operation

Different strings and different gauges require different adjustments. Adjustment can usually be done by finger tips. Note that the handle of the swivel clamp should be lifted before adjustment.



Swivel Clamp Base Operation

The lever on the swivel clamp base is turned clockwise to lock the base. To unlock, the lever is turned counterclockwise. To adjust the nut of the clamp base by a 17 mm wrench clockwise or counterclockwise can change the locking position and angle.

Closed Position



Open Position



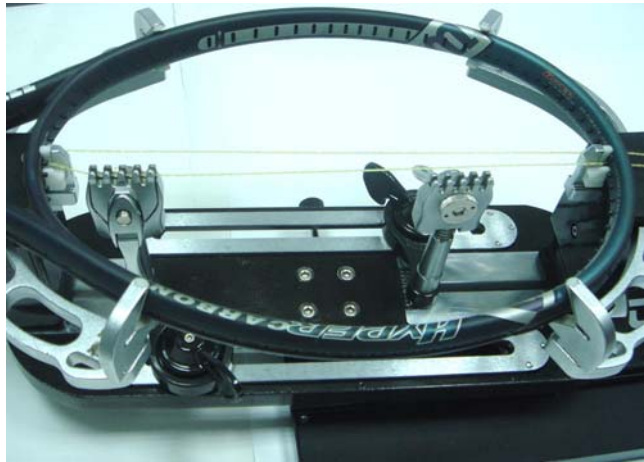
Selecting Tension

Tension is selected by sliding the weight along the tension arm. Align the left edge of the weight with the desired tension as indicated on the printed scale, pointed by an arrow mark. Two scales are printed on the tension arm. The lower range is for badminton and requires that only the small weight be used in tensioning. To remove the large weight (marked TENNIS), unfasten the Allen bolt and the rested small weight (marked BADMINTON) is for badminton racquet stringing.



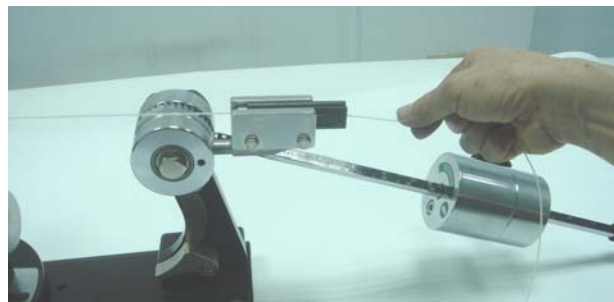
Getting Started

To begin stringing the main strings, thread the two ends of the string through the two center holes at the appropriate end of the frame and continue through the opposite center holes. Thread one end of the string through the adjacent grommet hole and pull excess by hand. Secure one of the strings using a string clamp as close as possible to the inner edge of the racquet frame at the throat of the racquet.



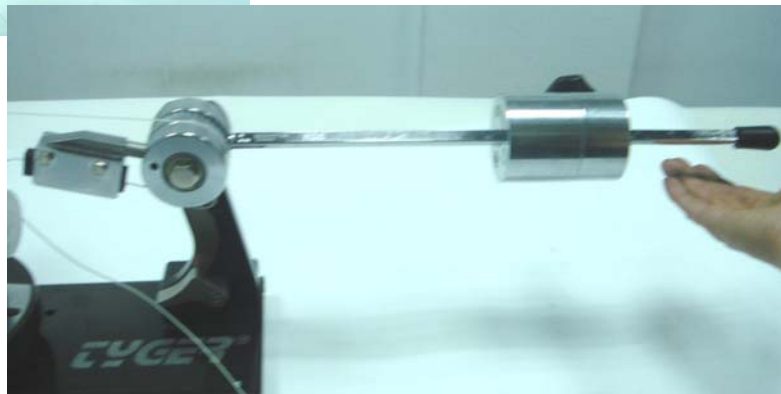
Gripping The String

Insert the string between the string gripper plates.



Tensioning the String

Lift the tension arm above horizontal and gently lower the tension arm under its own weight. If the tension arm drops below horizontal, repeat the above action until the tension arm comes to rest in a horizontal position (± 2 degree deviation is acceptable). If the tension arm comes to rest above horizontal, release the string by lifting the tension arm and re-pull the string.



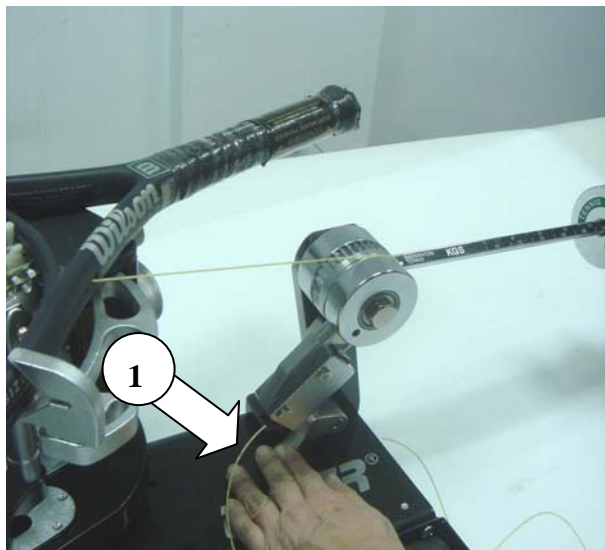
Clamping the First Main String

Secure the tensioned main string using the 2nd string clamp.

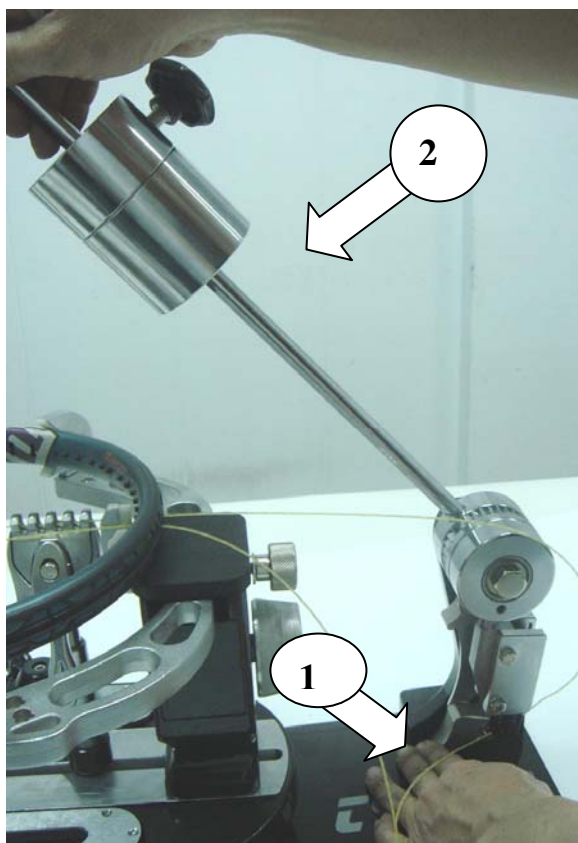


Release Device Operation

After clamping the tensioned string, hold the release device first and then return the tension arm to the upright position and remove the string out of the string gripper.



CAUTION : To release the tensioned string, the “release device” should be always pressed first before the tension arm is lifted back. Note to hold the “release device” all the time until the tension arm returns fully back to its upright position.



(The tensioned string will be jammed and can not be released if the tension arm is lifted first or the release device is not held all the time during releasing the tensioned string!!!)

Repeat the procedure for all of the remaining main strings and tie off following the racquet manufacturers' recommendations.

Locking System Operation

For the outer main and some cross stringing, it is recommended to lock the turntable in place to avoid pulling the string at an angle.



Weaving the Cross Strings

After the main strings have been strung and tied off, weave the cross string over and under the main strings.

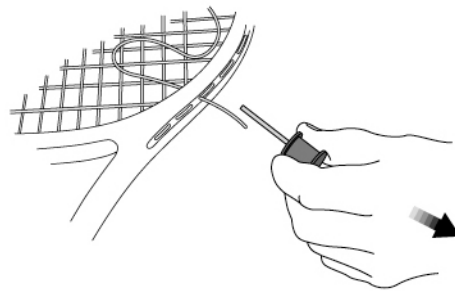
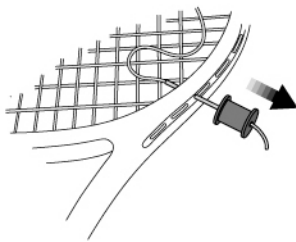
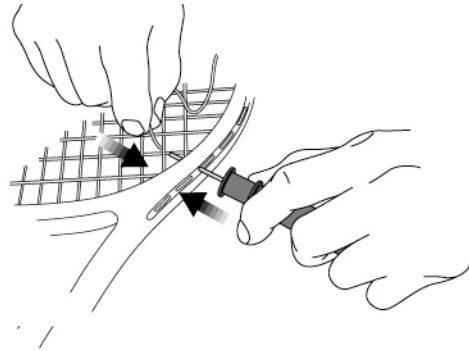


Once the final cross string is tensioned and clamped, tie off at the appropriate hole specified by the racquet manufacturer. Remove the frame from the mounting system by loosening the side support adjustment and center supports adjustment knobs.

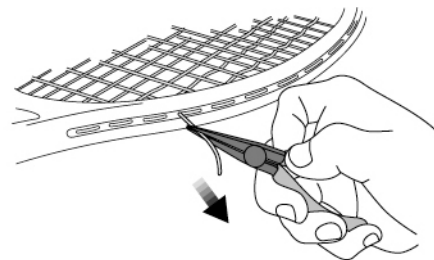
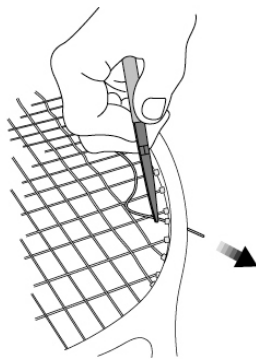
Hole Finder Operation

Use a hole finder to create a pathway between or around strings and through tight grommets.

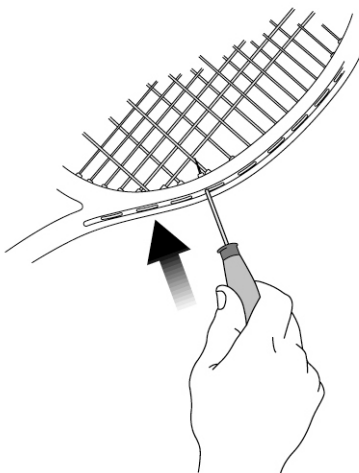
Insert the awl through the grommet hole and pull the handle of the awl outward leaving the outer sheath in the grommet hole. Insert the end of the string into the sheath.



Flat Nose Pliers Operation



Tennis Awl Operation



Diagonal Cutter Pliers Operation

