



**PRINCE 5000
ELECTRONIC STRINGING MACHINE
OWNER'S MANUAL**



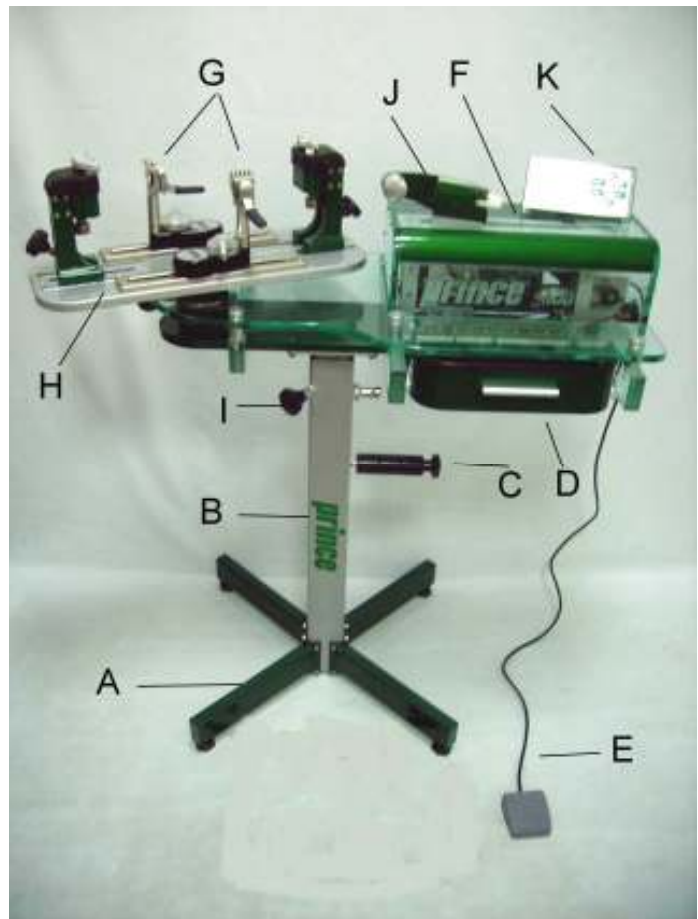
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COMPONENTS

- A. Legs
- B. Column
- C. String reel hanger
- D. Drawer
- E. Foot pedal
- F. Electronic tension head
- G. String clamp sets
- H. Turntable including 2 frame mounts
- I. Height adjustment knob
- J. String Tensioner
- K. LCD Screen



Remove all parts from the shipping container carefully. Save the container and packing for future storage or shipment.



- A. String Tool Kit
- B. Machine Cover
- C. Power Supply Cord
- D. Open End Wrench
- E. Allen Wrench – 5mm & 6mm
- F. Allen Wrench – 2.5mm
- G. T-Shaped Allen Wrench – 3mm

ASSEMBLY INSTRUCTIONS



A



B



C

- A. Attach legs to column with 16 cap screws using the enclosed 5mm Allen wrench.
- B. Attach the base foot pads on the legs and secure them by hand. Adjust the height of each pad to ensure a sturdy and level base.
- C. Install reel holder and secure with open ended wrench.



D



E



F

- D. Position platform over column and secure with 4 cap screws (8mm x 20mm) using 6mm L-shaped Allen wrench.
- E. Position the turntable over the cylinder on platform and secure with cap screws (8mm x 25mm) using 6mm L-shaped Allen wrench.
- F. Position the electronic tension head in the platform recess area.



G



H



I

- G. Pull out the drawer and secure the tension head with 4 cap screws (8mm x 20mm) using 6mm L-shaped Allen wrench.
- H. Adjust the height of the table by pulling out the height adjustment pin. Lift up the table to raise the machine and insert the pin into the hole to set the height.
- I. Secure the height by tightening the upper knob located on the column.

MOUNTING THE FRAME



J

J. Choose the proper electric voltage setting based on the out put in your world region. (110V/220V)



K

K. Plug in the power cord and turn **ON** power switch located on the lower right side of the tension head. The speed jaws will travel back and return as part of the self-diagnostic.



L

L. **Optional:** Plug in the foot pedal control cord into the right side of the electronic tension head.



M

M. Adjust the spacing between the mounting towers to accommodate the size of the racquet head that you are stringing. Pivot the knob bolts on either riser so that the tip of the bolt clears the teeth on the table. Adjust the location of each riser and release the knob bolt so it engages the teeth.



N

N. Adjust the white contact pad height by turning the knob directly below the pads. The pads should contact the frame just below the string holes or grommets for maximum support.



O

O. Rotate the knob bolt for fine adjustment until the frame contacts the tip and throat contact pads. Be careful not to over tighten. By over tightening you may cause unnecessary stress that may lead to frame distortion.



P

P. Set tip and throat hold down clamps with hand pressure and lock into position with locking levers. The largest clamp should be positioned at the throat of the racquet; the smaller clamp should be located at the head of the racquet.

KEYBOARD FUNCTION



LBS / KGS :

Select kgs or lbs by pressing the **LBS/KGS** button.

TENSION :

Adjust the tension setting by pressing the **↑** and **↓** arrows on the control panel.

SPEED OF PULL :

Select **LOW/MED/HIGH** by pushing the SPEED button. It is recommended to use the low speed with low elongation strings such as Kevlar, 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 suited for nylon based string types.

PRE-STRETCH :

The amount the machine pulls beyond the desired tension before setting back to that tension. Many stringers like to pre-stretch strings to reduce the amount of tension loss. Select the amount of pre-stretch by pushing the **PRE-STRETCH** button.

SINGLE STRING TENSION INCREASE:

Push the knot icon to increase tension of a single string by 10%.

STRINGING THE FRAME



Q



R



S

- Q. Wrap the string around the Diablo nosecone before entering speed jaws to minimize string damage. Once strings are in the speed jaws, push down on the white activation paddle at the end of the tensioner to activate the electronic tension head. Excess slack, pulling multiple strings or a combination of a highly elastic string and high string tension may not allow the string to pull completely to tension, causing an error. If this occurs, clamp the string, then return the speed jaws by pushing the white activation paddle. Pull tension again and re-clamp string.
- R. Adjust clamp pressure by rotating the clamp nut clockwise to tighten or counterclockwise to loosen the clamp pressure. Never over tighten the clamp nut because excess clamp pressure may damage the string.
- S. Clamping the string. Unlock the clamp base and position the string clamp on the string. Close the string clamp handle and lock the clamp base.



T



U



V

- T. Push the white activation paddle to release the tension.
- U. Lift up the clamp handle to release the clamp from the string.
- V. Push the release button on the clamp base or allow the clamp to drop down the lowest position to release the locked base. Repeat the same steps and pull each main string one by one making sure to follow the recommend stringing pattern based on the manufacturers' suggestion.

STRINGING THE FRAME

W



X



W. Follow recommended stringing method and string pattern to complete the crosses.

X. After finishing all of the cross strings and tying the finishing knot, release all clamps from the string bed. Then, loosen the hold down clamps from the riser and take off the completed strung racquet from the racquet mounts.

MAINTENANCE TIPS



1. Cleaning the machine

- a. String clamps, string clamp rails, and speed jaws must be cleaned regularly with alcohol to minimize string slippage.
- b. If the string clamp base slips after cleaning rails turn the base adjustment screw 1/8 turn clockwise using the 3mm L-shaped allen wrench.
- c. **Do not over tighten adjustment screw or damage may occur**

2. Clamp Maintenance

- a. To improve the life of your clamps, apply a small amount of grease to contact points (picture #2). Open and close the clamp several times to distribute the grease. Wipe off any excess grease before stringing.
- b. Periodically check the 2 points to insure they remain greased. Apply grease to clamp post, then wipe gently with a dry cloth leaving a thin film of grease on the surface. The lubricated surface ensures a smooth operation and provides rust protection.

3. The lock down clamps must be held with palm pressure when setting the lever. If the frame is not held securely, clean the lock down clamp pin with rubbing alcohol. If the problem persists, adjust the socket screw with a slight counterclockwise turn using enclosed T shaped allen wrench.

AS WITH ANY MACHINE WITH MOVING PARTS AND ELECTRONIC POWER, SIGNIFICANT INJURY CAN OCCUR IF PROPER CARE IS NOT EXERCISED WHEN USING THE PRINCE 5000 STRINGING MACHINE. THIS MACHINE IS ONLY TO BE UTILIZED IN STRICT COMPLIANCE WITH THE INSTRUCTIONS SET FORTH IN THIS MANUAL.

WARRANTY AND SERVICE

For all service and warranty questions please contact:

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