

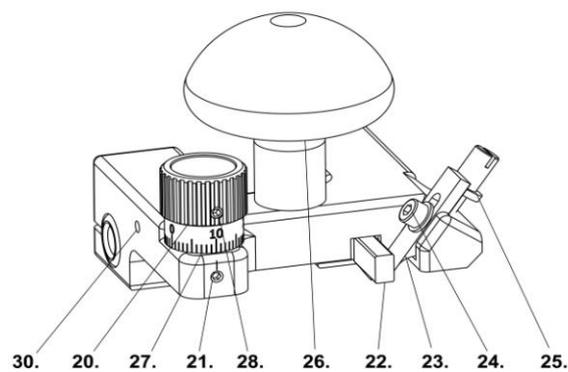
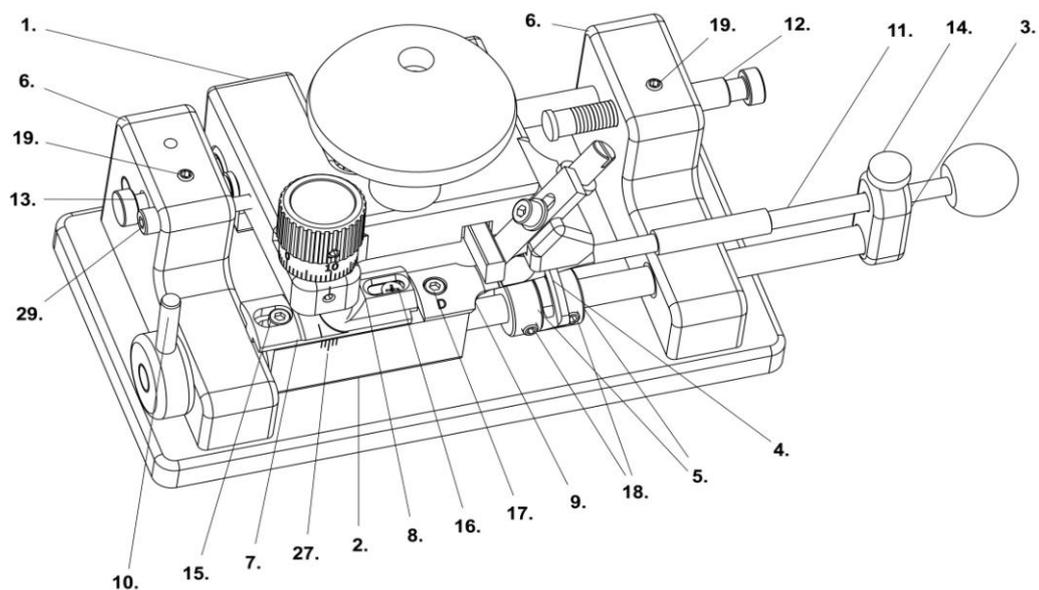
Liebe Besitzerin, lieber Besitzer einer Reeds `n Stuff Außenhobelmaschine!

Vielen Dank dafür, dass Sie sich für eine unserer Maschinen entschieden haben. Seit 1998 produziert Reeds `n Stuff im Erzgebirge Rohrbaumaschinen und Zubehör. Sicher brennen Sie darauf Ihre Maschine in Betrieb zu nehmen. Damit dies gut und sicher erfolgt, lohnt es sich jedoch dieses Handbuch erst einmal zu studieren.

Jetzt wünsche ich Ihnen im Namen unseres ganzen Teams viele gute Rohre mit Produkten aus dem Hause Reeds `n Stuff.

Ihr

Udo Heng



**Directions for Using
Reeds 'n Stuff
Oboe Profiling Machine**

Marc Fink
November, 2013

Transport lock

Open the transport lock screw (29)

Profiling

1. Prepare the blank by soaking it in warm water for 3-5 minutes and then gently scraping the bark off the scraping surface of the reed
2. Thin the tip of both sides of the blank reed and then open the reed by clipping the tip.
3. Place the reed on the plaque (9) (see diagram). Push the mandrel (11) snugly into the staple end of the reed. Line up the tip of the reed on the mandrel up to the guide line on the plaque.

The American profiler has 3 guide lines.

- a. For a longer tip, line up the end of the reed with the first guide line (closest to the template) or even a little over this line
 - b. For a medium length tip, use the middle guide line
 - c. For a shorter tip, use the third guide line
4. Tighten the mandrel set screw (14) so that it holds the mandrel firmly in place. Rotate the clamp (4) into position.
 5. Begin profiling by moving the carriage (1) with gentle pressure across the cane starting in the tip area. Rotate the handle (10) with your left hand every 3-4 strokes so that you cover the entire scraping surface. Do not rotate the handle during the profiling stroke.
 6. Continue profiling in this manner (from one side to the other) until you can remove no further cane from the first blade.
 7. Release the clamp and mandrel set screw, and withdraw the mandrel so that the reed is no longer engaged with the plaque.
 8. Rotate the mandrel 180 degrees and repeat the process for the other blade.

9. After the profiling process is completed, remove the reed from the mandrel, clip and adjust the tip as necessary.

Advanced suggestions

1. Begin profiling at the very tip of the reed (last 3 mm.) before profiling the entire length of the reed. This will allow the reed to form smoothly on the plaque.
2. To adjust the thickness of the scrape in the back area, release some tension of the clamp. This will allow the profiler to scrape more cane out of the back area. However, use caution because the reed may lose stability with too much cane removed from the back of the reed.

Thickness adjustment

Important: To avoid damage on the blade or plaque please make sure the blade does not touch the plaque.

1. To adjust the overall thickness of the profiled reed, loosen the set screw (21) and then turn the thickness adjustment knob (20). For a thicker overall result, turn the screw clockwise. For a thinner result, turn the screw counter clockwise. This adjustment knob is very precise, each increment represents 0,01 mm., so a slight adjustment makes a significant difference. After adjusting, tighten the set screw.
2. To adjust the thickness of the shaving, release the set screw (24) from the blade (23) and gently rotate the adjustment screw for the blade (25), tightening for a thicker shaving and loosening for a thinner shaving. Then tighten the set screw.
Reminder: to avoid damage to the blade or plaque make sure that the blade does not touch the plaque.

Adjustment of the length of the tip

After loosening the set screw for the template (15) the length of the tip can be adjusted.

If the template (7) is moved in direction of the plaque the tip will get longer.

If the template is moved in direction of the handle (10) the tip will get longer.

The scale (27) helps to read the change.

If the length of the tip is adjusted, the length of the scrape will change accordingly. This needs to be corrected as follows in the next paragraph.

Length of scrape adjustment

The length of scrape adjustment (8) is fixed by a screw (16). Loosen the screw, set the desired length and then tighten the screw.

If the length of the scrape adjustment is moved in direction of the plaque (9) the length of scrape will get longer.

If the length of the scrape adjustment is moved in direction of the handle (10) the length of scrape will get shorter.

Adjustment of the carriage travel

The carriage travel is limited by the two screws (12 + 13). Loosen the set screw (19) and change the travel according to your needs. When tightening the set screw please do not over tighten this screw, because it has a plastic head and you could damage the screw.

The carriage travel adjustment for screw 13 has to be set so the travel ends a little after the tip of the reed.

The carriage travel adjustment for screw 12 has to be set so the ball of the thickness adjustment knob (20) can not sit in the long hole that is for the screw that holds the length of scrape adjustment (8).

Change of templates

Loosen the set screw (15) for the template (7) and change to another template.

Reminder: to avoid damage to the blade or plaque make sure that the blade does not touch the plaque.

Reminder: to avoid damage to the blade or plaque make sure that the blade does not touch the plaque.

Change of plaque

Loosen the set screw (17) for the plaque (9) and change to another plaque.

Calibration of thickness adjustment knob

The thickness adjustment knob (20) can be calibrated, so it shows the exact measurement. Loosen the set screw (28) and turn the scale so it shows the actual measurement.

Change of blade

Loosen the set screw for blade (24) to adjust or change the blade. With the adjustment screw for the blade (25) set the blade so you will receive fine shavings. (it is easiest to do the adjustment with screw 24 only a very slightly).

Reminder: to avoid damage to the blade or plaque make sure that the blade does not touch the plaque.