

Possible causes of uneven sides of the reed tip

Related products : Oboe profiler, bassoon tip profiler, and bagpipe tip profiler.

The following manuals are applicable to this document :

- The [Oboe profiler manual v05](#).
- The [Bassoon tip profiler manual v02](#). This manual also applies to the bagpipe tip profiler.

All machines are set to factory settings and tested. Scraping a reed is a part of the test. Among other points, the scraped reed is checked on even sides under a microscope. The sides must be equal within 0,01mm before a machine is approved.

To find the cause of uneven sides of the reed tip, we advise you to check below mentioned points in the mentioned sequence :

- **Damaged knife.** At a damaged spot on the knife, less cane is scraped away, leaving a thicker part of the reed tip. It is difficult to assess the condition of the blade with the naked eye; we advise you to examine the blade with a magnifying glass.
- **Incomplete rotated reed holder.** Chips between the reed holder and the base block prevent the reed holder from rotating fully. As a result, the left side of the reed holder remains higher than the right side, or vice versa. This results in uneven sides of the reed tip.
- **Incorrect scraping process.** If one half of the reed is scraped more than the other half, one half is stronger than the other. This difference is particularly significant when one of the halves still has bark. As a result, the stronger half pulls the reed out of its position, which can lead to uneven sides of the reed tip. For detailed information, see the applicable manual.
- **Incorrect cross direction adjustment.** If the centerline of the template is not correctly aligned with the centerline of the reed holder, one side of the template sits too low and the other side too high relative to the reed holder. This results in uneven sides of the reed tip. For detailed information, see the applicable manual.