



## *A Perfect Symbiosis*

Just as instruments, strings and bows work together, there is also a dependence between composers, instrument makers and musicians. This is why we would like to give our thanks to the many musicians and luthiers who have provided us with their invaluable suggestions, helping us to get closer and closer towards making the perfect bow.

Advanced technologies, and in particular the unique characteristics of carbon fibre have made it possible to put our ideas into a usable product. The foundation of the design of Arcus bows is our mathematical model of a bow, which allows us to understand the tension, movements and vibrations in a bow stick.

In fact all an Arcus bow has in common with a traditional bow is the purpose of use and the fine natural horse hair. The sticks of our bows for example are hollow and feature double the resiliency of a wooden bow, at only half the weight. The camber is shallower and follows a different pattern. The bow creates much less noise and eliminates low-resonance vibrations. This way we not only avoid instabilities on the strings but also enhance the comfort and reduce the risk of injury to the right arm of a musician. The sound has unique clarity and projection, but at the same time is full and round. This is especially true of our best sticks used for our Cadenza bows, which offer

a new dimension in sound to all Soloists.

Arcus bows open the door to new playing possibilities and technique because of their easy response together with low mass and the enhanced off-string capabilities. On more than one occasion we have experienced that only an Arcus bow made it possible for the sound to be lifted over the noise in modern virtuoso compositions. But students and amateur musicians also benefit a great deal because of the relaxed hand an Arcus bow demands.

Because the bows are entirely handmade, and because of the capricious character of carbon fibre, every bow has its own distinguishing feel and sound. To experience this you might want to try a selection of bows yourself. We have yet to come across an instrument that does not sound stronger and more beautiful with a compatible Arcus bow. So maybe it isn't such a great surprise that more and more musicians use their Arcus bow in concerts and in the recording studio.

