

ONE-TOUCH TUNING

***"We are very excited to be part of
the Arbiter Percussion Revolution"***

- Ian Fraser, President Arbiter North America



circa: 1972



Steel 'Vee-clamp' with precision-cut tig-welded tuning bosses and regular drum-key operated tension screw

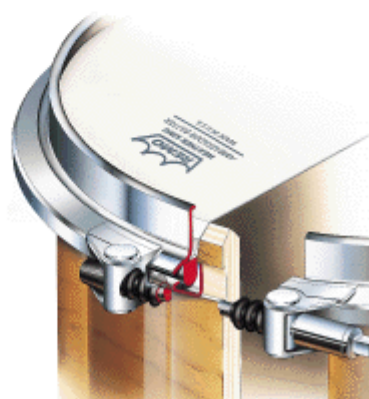
Steel counterhoop is gripped by the clamp and stresses the head as it is tightened against the lower ring grooved into the shell

As the drum is tuned the split lower ring contracts within its groove, maintaining its circular form, strengthening the drum thereby allowing ultra-high tension

Custom built undrilled maple

Single tuning screw

A regular drum has, at best, 45 holes. 'Arbiter AT' has just one, to allow free passage of air.



"My advanced tuning system is the culmination of a lifetime working with the world's finest players and understanding their needs. If common sense prevails it will change the direction of percussion."

- Ivor Arbiter



True milestones in musical instrument



development happen once in a lifetime... from Arbiter comes a revolutionary advance in percussion that addresses the needs of the modern drummer. The world's first drum to be tuned from a single tensioning position.

Drum tensioning has changed very little since it was patented in the last century for Duplex who, at the time, were burdened with animal skin heads of unpredictable thickness therefore opting for the multi-screw tensioning mechanism which has surprisingly been with us ever since. Now there's "Arbiter AT", the first tuning system to take advantage of the uniformity of the plastic head (which has been used extensively since 1957), you really can tune the drum...precisely.



"Arbiter AT" tensions the head by adjusting the circumference of the "Vee Clamp", an innovation long proven in high-pressure engineering applications such as jet engines. A steel counterhoop is gripped by one of these clamps and stresses the head as it tightens against a lower ring sprung into a groove cut accurately into the shell. As the drum is tuned the split lower ring contracts within its groove, maintaining its circular form and strengthening the drum. The clamp can be unhinged quickly to enable ultra-fast removal and refitting of drumheads (even between songs).



The one-screw concept offers facilities never before available to drummers: instant and accurate tuning, rapid head change, maximum response and resonance, sparkling tone, along with great styling and practicality - all combined in a strong, efficient and reliable package. The "AT" principle demands such exact tolerances between the drum's rings, the precision-cut tuning bosses and the shells that computer-aided design techniques



have needed to be brought into play as never before.