

ADVANCED WOODEN KEYBOARD

viscount

A.W.K

VISCOUNT is proud to introduce "A.W.K." - a newly designed ADVANCED WOODEN KEYBOARD - specifically designed for organists who demand the highest performance keyboard action.

The AWK is an exclusive product of VISCOUNT INTERNATIONAL S.p.A..



Viscount International S.p.A.
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VISCOUNT ORGANS

A.W.K. ADVANCED WOODEN KEYBOARD

VISCOUNT is proud to introduce A.W.K. - a newly designed **ADVANCED WOODEN KEYBOARD** specifically designed for organists who demand the highest performance keyboard action. This innovative keyboard design is able to reproduce, down to the minutest details, the authentic touch sensation of the traditional pipe organ keyboard with mechanical transmission.

The AWK keyboard has been designed in cooperation with Luca Panetti, who has a long experience on physical behavior, design and construction of organs keyboards.

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The action “force”, that simulates the force needed to activate the key and open the air valve of a real pipe organ, is carefully reproduced using two finely-adjusted magnets which match the organists demands perfectly.

VISCOUNT has chosen the best wood materials to provide a beautiful aesthetic, optimal tactile feeling and mechanical precision.

The keyboard is totally produced by VISCOUNT facilities using highly sophisticated specialized machines to ensure absolute precision of the parts. This is a fundamental requirement to obtain an instrument of the highest quality.



FEATURES

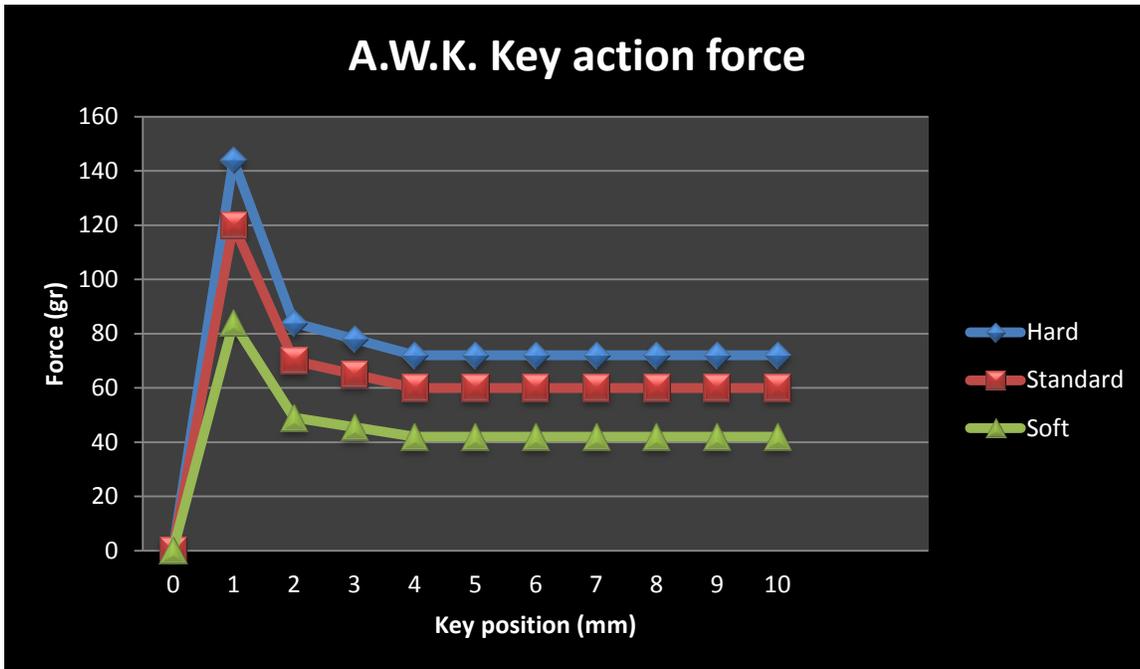
The main feature of new A.W.K. keyboard is related to the on reproduction accuracy of the action force necessary to activate a key on a pipe organ with mechanical transmission.

This kind of transmission has typical characteristics rather difficult to imitate: the force needed initially to start to move the key is high, typically 120g or more, this force correspond to the air pressure in the wind chest that holds the ventils. As soon the key starts to move, after 2mm of excursion, the force drop rapidly to 60g and remains practically constant up to the complete key excursion.

Typically the keyboards used on digital organ, except the A.W.K., are able to reproduce the initial force of 120g, but fail to reproduce the drop of the force to 60g, moreover at the end of key excursion the strength is also superior to the initial one, causing unpleasant feeling and fatigue during long playing session.

In the following chart you can see the behavior of the keyboard of 3 organs: a pipe organ, A.W.K. and a standard digital organ.





The A.W.K. key action force reproduce the typical behavior of real pipe organ keyboard with mechanical transmission.

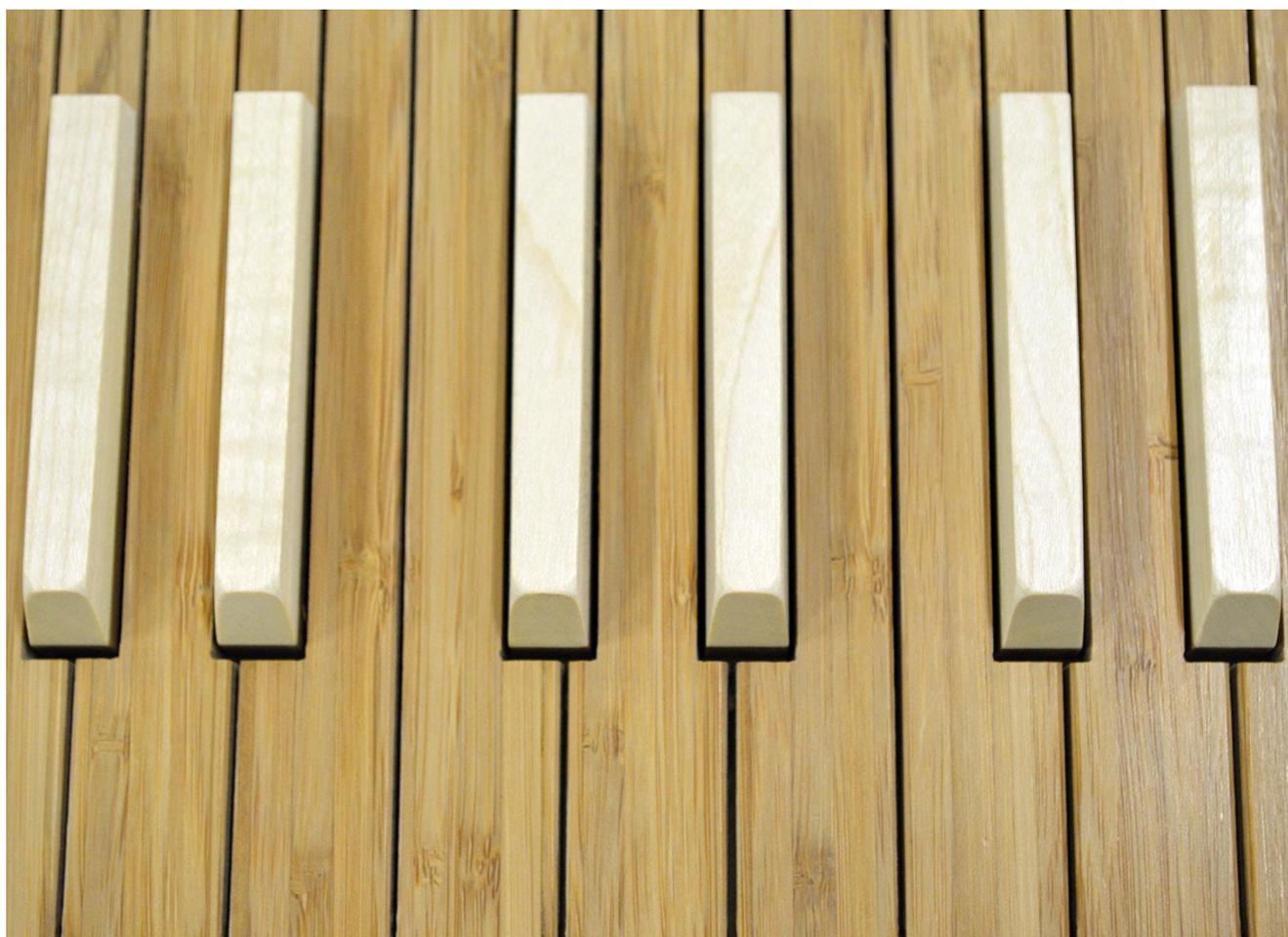
According to the need of the organist, the force can be regulated (**from authorized technicians**) by adjusting the distance between the metal screw and the magnets pin in order to obtain softer or harder touch.



Testing and verify that the key stays on rest position with 120g of weight.



Testing and verify that the key stays on pressed position with 60g of weight.



Bamboo wooden finishing