Granfeel

JAHN PIANOTEILE

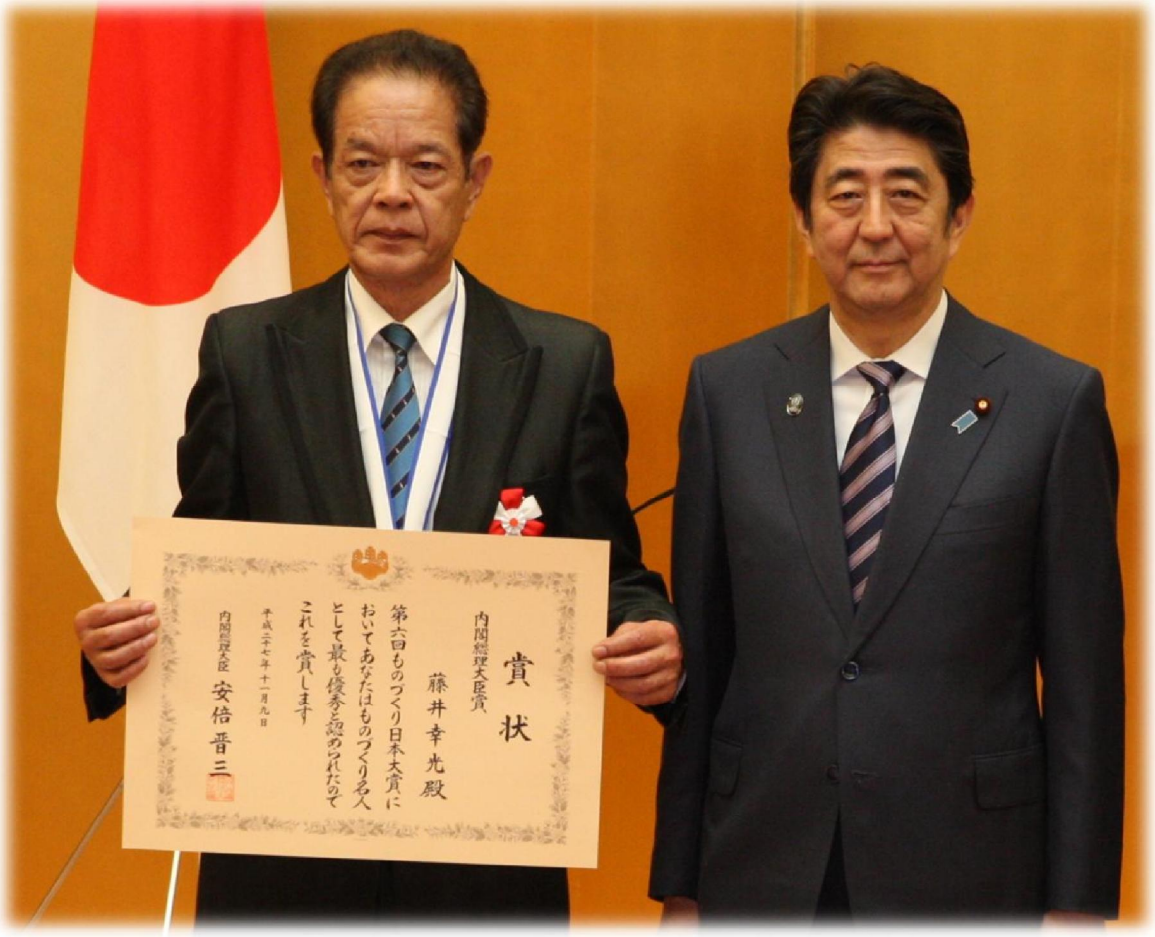
Samurai brings Fresh breeze for piano industry



Yukimitsu FUJII, piano tuner

Winner of the prime minister’s prize of Sixth Nippon monodzukuri (manufacturing) Grand Award

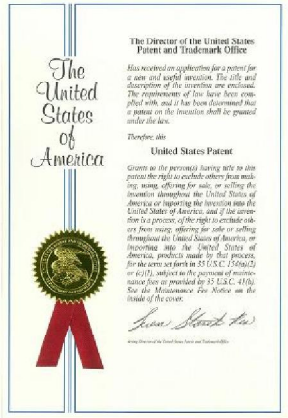
The Ministry of Economy, Trade and Industry (METI)



Granfeel® is Patented technique





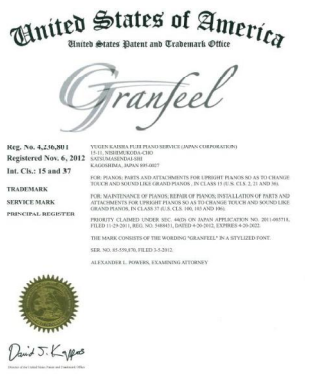










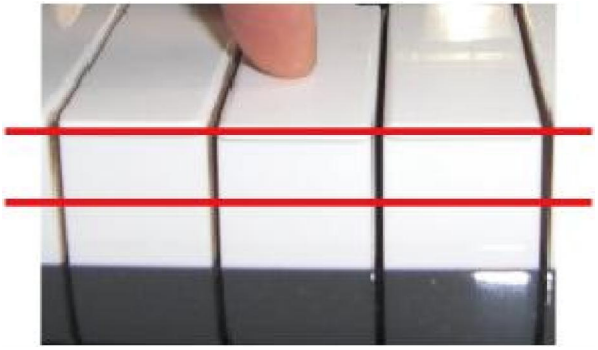
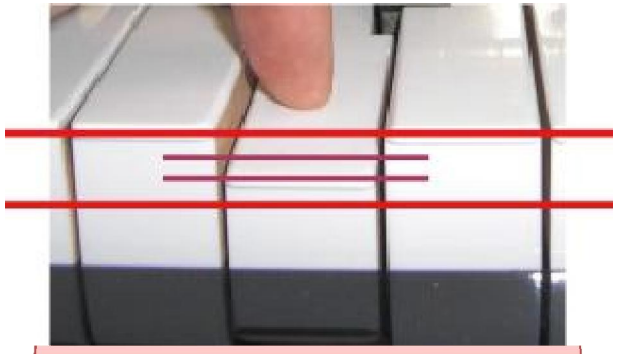
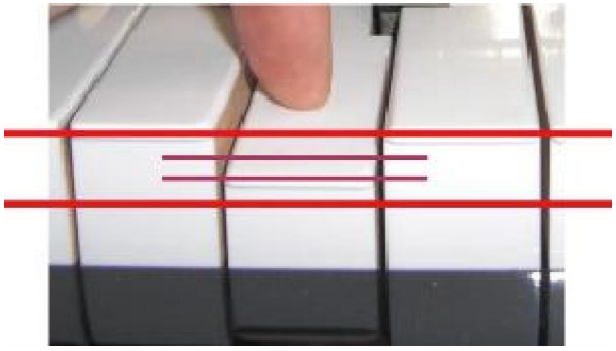




Granfeel® is Trade Mark

Effects of Granfeel ® ①

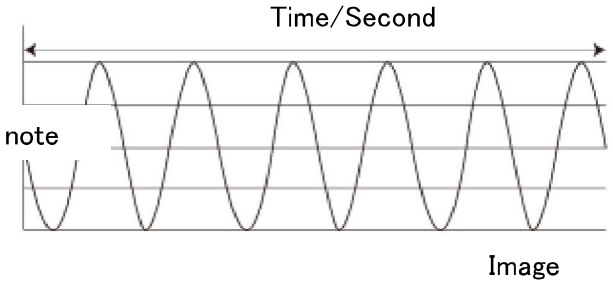
Increased functionality : How much does it need a return of key to generate a next note?

Upright piano	Granfeel ®	Grand piano
		
Full return to original Key positions	**One third** return to original Key positions	**One third** return to original Key positions

Effects of Granfeel ® ②

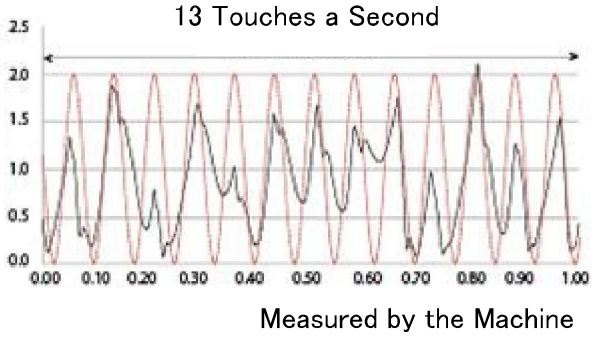
Enables Repeated Touch: Smooth trill and repeated touch in pianissimo

Upright piano



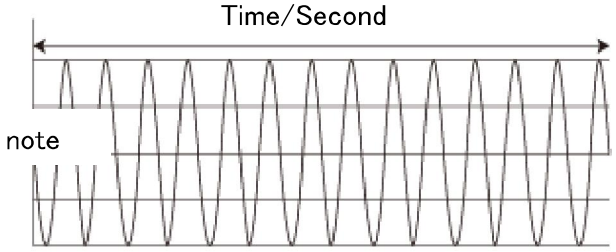
6-7 touches a Second

Granfeel ®



13 touches a Second

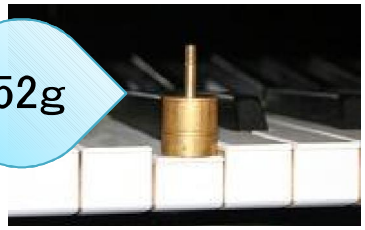
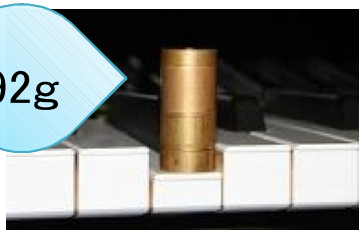
Grand piano



14 touches a Second

Effects of Granfeel® ③

Increased operability : Free and Easy Key Control. Comparison of the Weights

	Upright piano	Granfeel ®	Grand piano
Initial Motion	52g 	52g 	52g 
Dumper	92g 	92g 	92g 
Let off	97g 	150g 	150g 

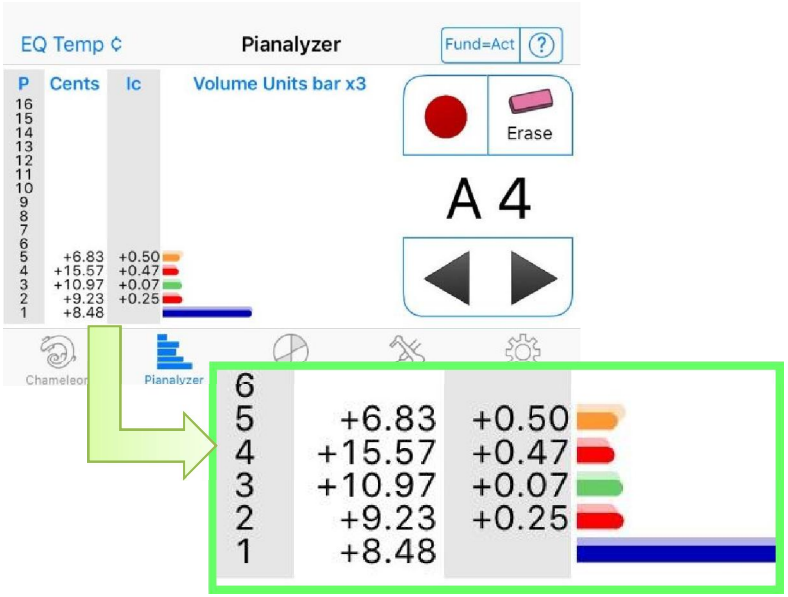
*measured by gram weights. The data are averaged.

Effects of Granfeel ® ④

Higher Quality of Sound : Powerful, Gorgeous and Splendid Sound

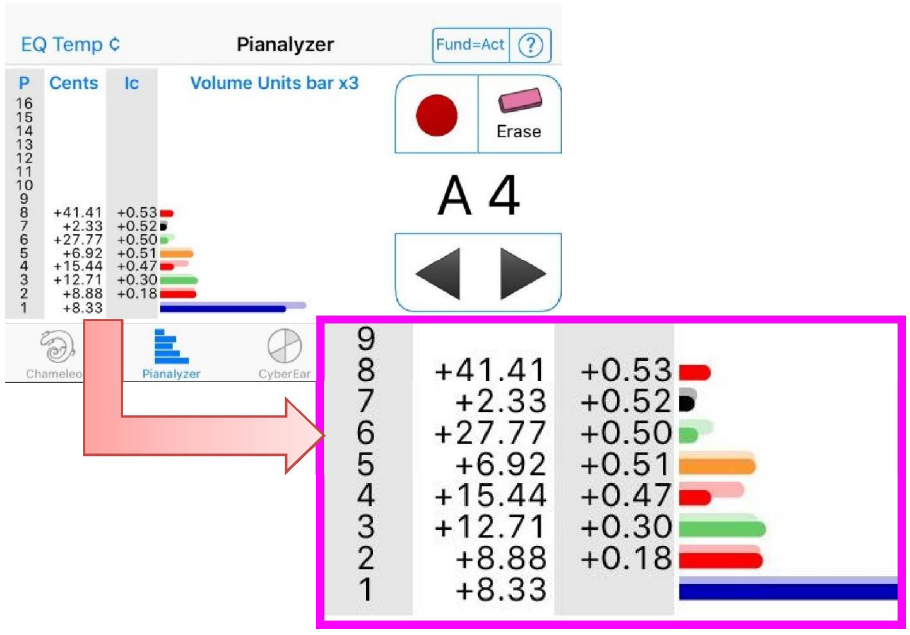
Normal ← Same Upright piano → With Granfeel®

＊Measured by Cyber Tuner ®



Generates

5th Harmonic Overtone



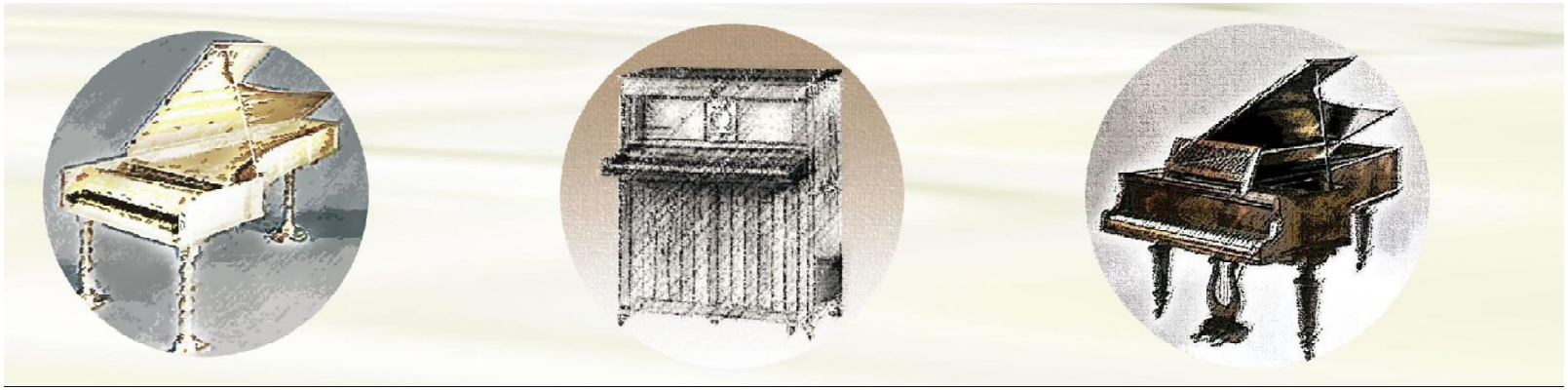
Generates

6th, 7th, 8th Harmonic Overtone

Quick review of the history of Piano

- Birth of Piano -1709
- Invention of upright piano -1800
- Invention of Repetition mechanism for Grand pianos -1821

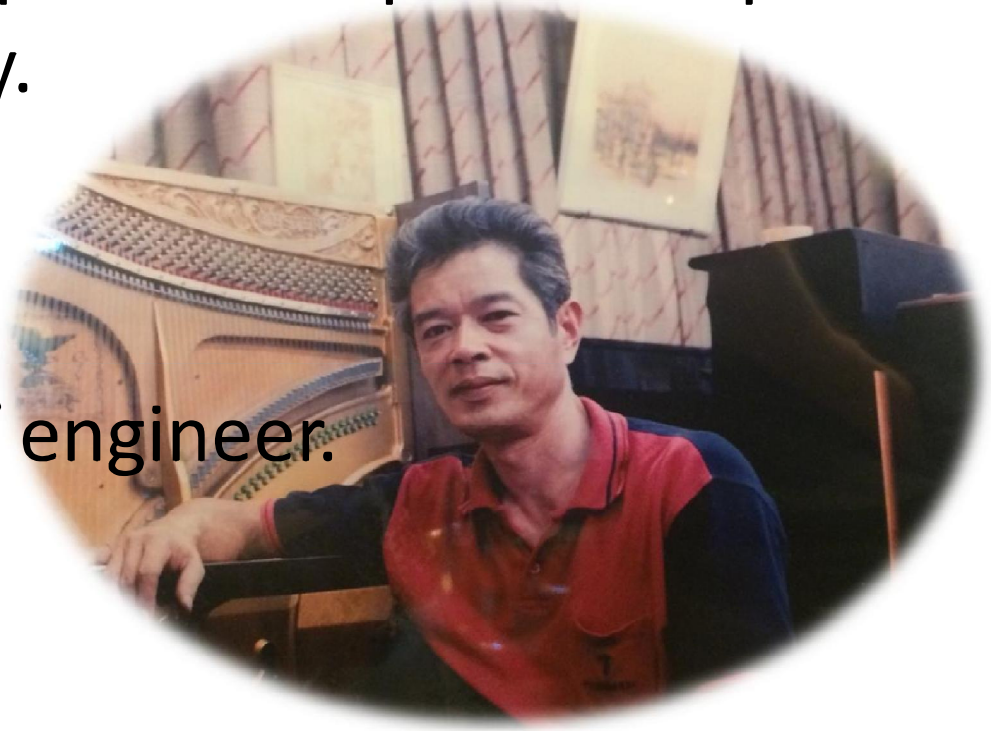
How about repetition mechanism for upright pianos? 200 years have passed…



Background of Mr. Fujii

Mr. Fujii started his career as a Repairperson.

He broke down and put them up the European Pianos, day after day.



This experience

inspired his sense of engineer.

Background of “Granfeel”

He became a piano tuner and listened to his customers’ voice.

Especially the children who faced the problem of the differences between upright pianos and grand pianos.

He determined to overcome the difficulties of upright pianos.

After the days of try and error…

The birth of “Granfeel”

The repetition mechanism for upright pianos

invented in 2009

Finally!

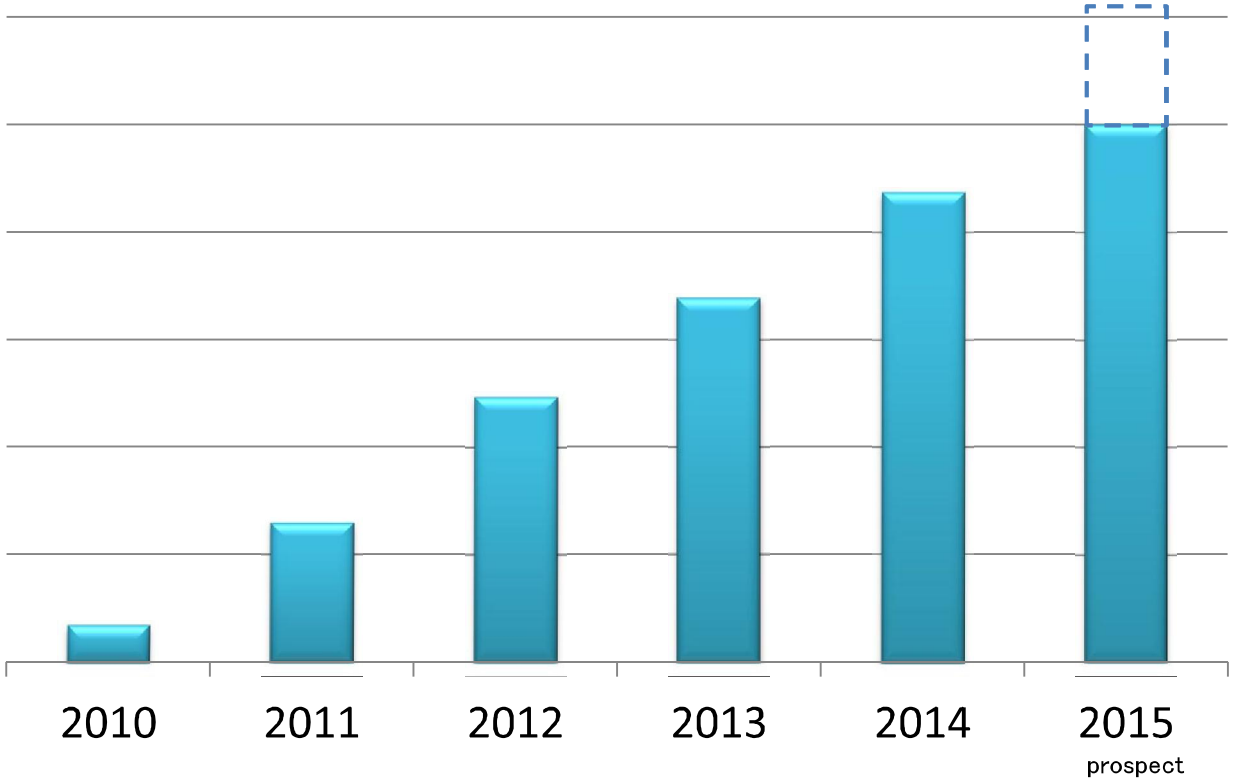


Sales figures of Granfeel® in Japan

Cumulative sales is more than 600 sets.

＊As of 2015

Conventional upright pianos + Granfeel Option



Last 5 years accumulated data