

# THE ART OF CREATING SOUND WITH THE TECHNOLOGY OF THE SHINKANSEN

It has been 50 years since the Shinkansen bullet train services were launched in 1964. And yet in all that time not one fatal Shinkansen accident has been recorded and the average diversion from the schedule-time is within one minute, making it the safest, most reliable highspeed-trainservice in the world.

Right from the start the company responsible for forming the complex shape of the nose of the Shinkansen has been Yamashita Kogyosho Co., Ltd.- company in Japan. Yamashita Kogyosho Co., Ltd. was founded in 1963. Ever since then it's craftsmen have been hammering aluminium-sheets into the shape of that part of the train that corresponds to it's face, using the skill known as 3D sheet metal forming. They work on major highspeed trains as included most of the bullet trains from the first model to the most recent ones.

But, that's not all! By applying 3D sheet metal forming technology to the same type of aluminium used for Shinkansen noses, Yamashita Kogyosho Co., Ltd. has also manufactured violins and cellos. Together, the Shinkansen and the aluminium cello could be described as a fusion of high technology and art.

## YAMASHITA KOGYOSHO CO., LTD.

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*Mr. Hiroyuki Fujii, master-craftsman,  
crafting the nose of a Shinkansen*



*Aluminium Violin*

# ALUMINIUM 2014

## ALUMINIUM VIOLIN AND CELLO CONCERT

There will be a concert played on **aluminium-made violin and cello** created by Yamashita Kogyosho Co., Ltd at the UACJ booth. Experience the new, clear sound spectrum of aluminium instruments! We are looking forward to seeing you there!

### ABOUT UACJ

UACJ Corporation was established in October 2013 through a merger between Furukawa-Sky Aluminium Corp. and Sumitomo Light Metal Industries, Ltd.

### WHEN? WHERE?

#### Date

7 – 9 October 2014

#### Opening Hours

09.00 am - 06.00 pm (for visitors)

#### Location

Messe Düsseldorf, halls 9-14

#### UACJ- Booth

Standnumber 10E11

Stockumer Kirchstraße 61,

40474 Düsseldorf, GERMANY

Main Entrances: North and East

### WHO?

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*Aluminium Cello*