

State-of-the-art High-Strength Steel Sheets and Press Forming Technology for Automobile Application

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SUMMARY OF THE LECTURE

The application of high strength steel to automobile parts is expanding to improve collision safety and fuel efficiency by reducing the weight of the automobile body.

To develop high strength steels, it could be very important to understand how to make steels strengthened and how to press high strength steels into automobile parts.

In this talk, the strengthening mechanism of high-strength steels for automobiles and press-forming technology will be presented, and then application of high tensile steels to automobile parts will be introduced.

SPEAKER INTRODUCTION

Dr. Yokota is a Staff General Manager of Sheet Business Planning Dept. at JFE Steel Corporation in Japan, and the former General Manager of Sheet Product Department at Steel Research Laboratory. In this position he managed development of advanced high strength steels for automobile parts.

With over 30 years of experience working at JFE Steel, he has researched high strength steels and has been involved in many research and development projects on 590-1470MPa grade high strength steels. The steels he developed has been adopted by Japanese automobile companies.

Yokota holds a Doctor of Engineering in Material Process Engineering from Kyusyu University, Japan.