



INTRODUCTION

In order to comply with ever-tightening emission norms and to provide higher mileage, higher pickup and higher payload Light-Weighting of vehicles have become inevitable.

Light-weighting is done for: Body-In-White (BIW), substructure, engine & transmission elements, bought out aggregates right down to fasteners. Diverse Technologies and choice of materials ranging from sheet metal to cast and forged items are used in Light-Weighting.

In order to present a holistic overview of new technologies and materials which have become current and near-future industry trend.

Keeping this in view Indian Machine Tool Manufacturers' Association is organising a six-hour online programme on **Light-Weighting of Automobiles**.

FOCUS AREAS

- Use of AHSS
- Tailor Welded Blanks
- Use of Aluminium and Magnesium Forming
- Hot Forming of AHSS, Aluminium and Titanium
- Tube Hydroforming
- Use of Composites
- Cold Forging
- Rotary Swaging & Axial Forming

KEY TAKE AWAYS

- Light-weighting with better crashworthy structure
- Challenges and solutions of manufacturing with Higher Strength Material
- Hollow drive trains
- Weight reduction in fasteners
- Use of Additive Manufacturing for Light-Weighting Engine

FEE PER PARTICIPANT (PER LOGIN)

Rs. 7500/-

+18% GST

**IMTMA Members/ Micro Companies/ Individuals/
Educational Institutions / Students/ IMTMA Non
Members/ Others**

USD 300/-

Overseas Participants

Group Concession : 10% for 3 to 5 and 30% for 6 and more delegates being nominated from the same company

FACULTY

This Program will be conducted by **Mr. Avinash Khare and Mr Peter Karch**.

Mr. Avinash Khare, is presently working as a Consultant Head for IMTMA Pune Technology Centre for the last 5 years. He has been designing, developing content, and delivering wide range of Training programs as a Faculty. He is an Electrical Engineer by Qualification and has worked for over 33 years at Tata Motors Pune in various capacities ranging from R&D, Industrial Electronics, Machine Maintenance, Technology Procurement, Head of Machine Shop, Tool Room Shop Head, Head of Die Design and as a Champion in Business Excellence. He has taught Instrumentation and Bio-Medical Instrumentation at Pune University as a part-time faculty.

The program shall be co-delivered by **Mr. Peter Karch**, who has more than 25 years of experience in production engineering and plant construction. He develops technical solutions for customers worldwide in the field of cold forming of metals. He is a Graduate Engineer and Technical Trainer at FELSS in Germany.

For Registration Contact

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