

OLGUNCELIK
Leading Technology

OLGUNTECH



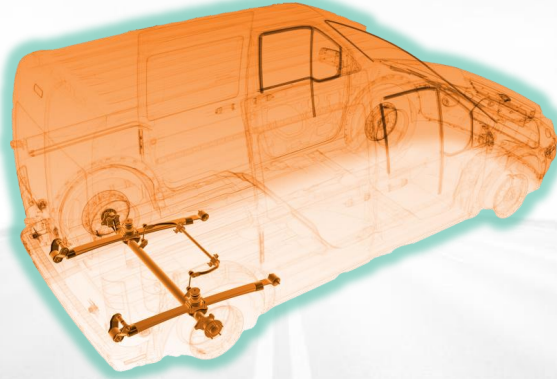
2023

Corporate Presentation

Leading Suspension Leaf Spring Full Service Supplier



77 year
experience



Full-service Supplier
and Solution partner of
global OEM's



Leader in European
Light Commercial Vehicle
Market for Leaf Springs



Modern R&D
and Test Center to meet OEM's
validation requirements



Favorable location
near to international
shipping ports

Modern Production Facilities



OlgunCelik Plant #1

Olgun Celik has the Europe's most modern and the biggest combined Conventional Leaf Spring manufacturing plant in Manisa Industrial Zone in Turkiye.



OlgunCelik Plant #2

Olgun Celik has a technology campus specialized for composite parts, lightweight solutions, R&D, Engineering and Testing Services in Manisa, Turkiye.

State of the art Production Lines & Robotic Automation Systems



OlgunSuspension - Commercial Vehicle Solutions



OLGUNTTECH

Research and Development Center/
OlgunTech Business Unit

Research & Development



250+
R&D Projects



30+
Patent Applications



7
Approved Patents



17 Internationals and
16 Domestic publications



12
Registered
Brand Marks

Being one of the most preferred global technology company in transportation industry

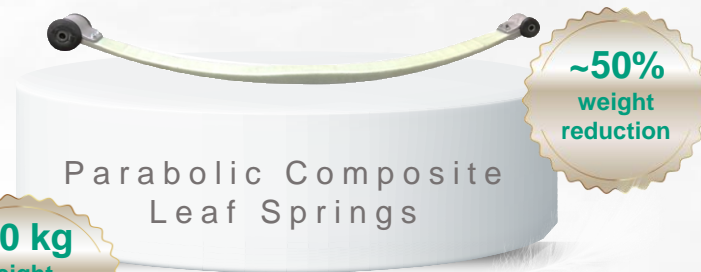


Light Weight Solutions
CLGUNTTECH

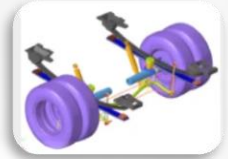
- ✓ Focus on Composite Product Development and Manufacturing Technologies.

- ✓ Innovate state of the art technologies for automotive and aerospace industries with the aid of vast engineering experience.

OlgunTech Composite & Lightweight Solutions



OlgunTech-Range of Engineering Services

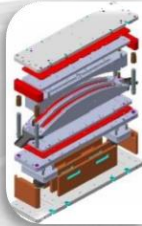
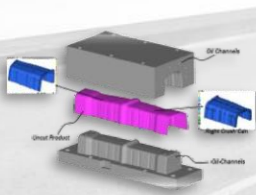


Computer Aided Design

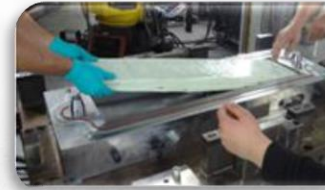
Composite Structures / Design, Layup Design

Computer Aided Engineering

-Structural / Vibration / Dynamic / Kinematics
/ Manufacturing / Thermal / Fatigue Life

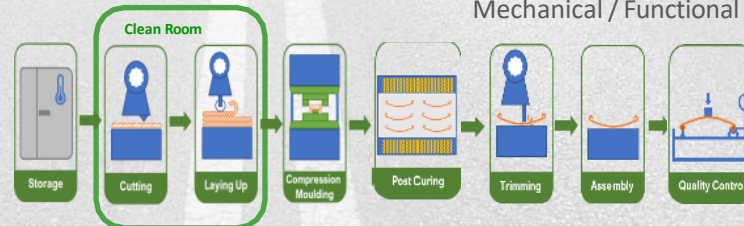


Tooling Design / Development & Validation



Prototyping & Verification

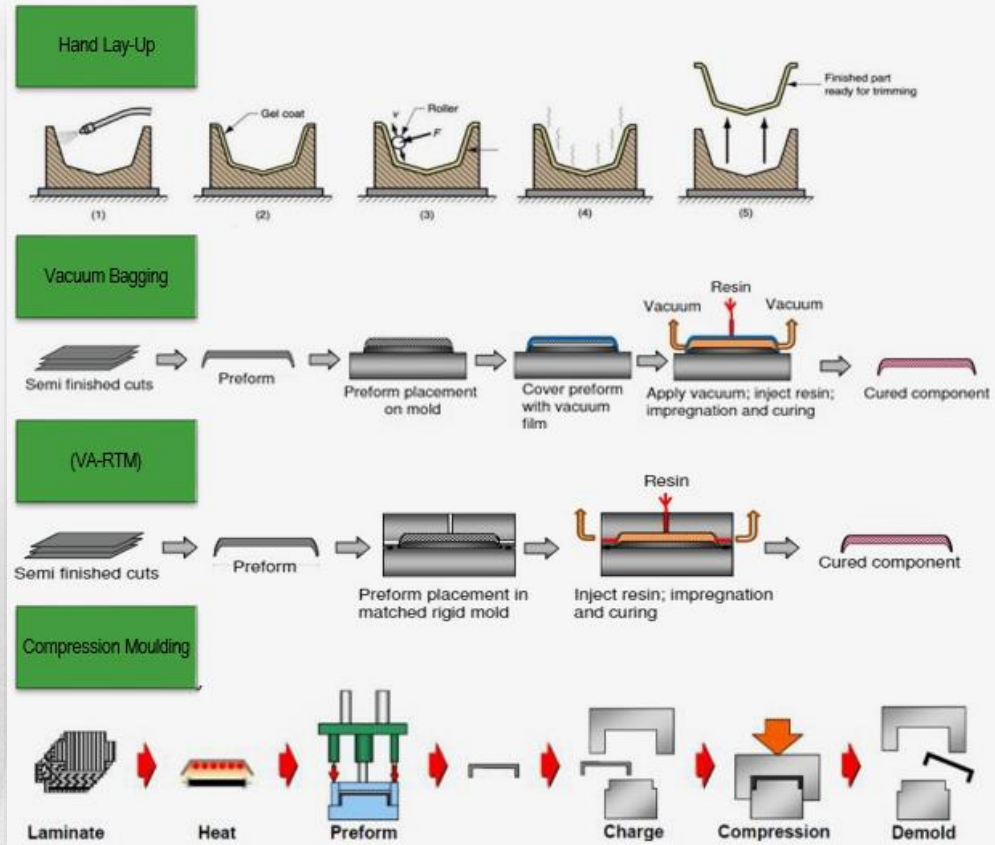
3D Manufacturing Material Characterization /
Mechanical / Functional Tests



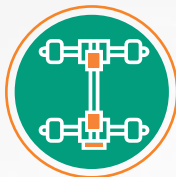
Manufacturing & Process Development

OlgunTech- Prototyping

- Cold Room
- CNC Ply Cutter
- Tape Slitter (Unwinding, slitting and rewinding machine for slitting fabrics and prepreg rolls.)
- Hydraulic Press (200 / 700 Tonnes)
- Vacuum Assisted Curing Oven (Up to 200 °C heating)
- VA-RTM
- 3D Printer
- Secondary Operations (Various drilling, milling, cutting, grinding and machining stations)



Test Center



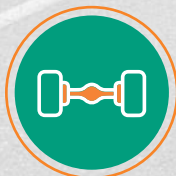
MTS Hydraulic Actuators with Capacity from 50 kN to 500 kN



Durability Calculations of all Front and Rear Suspension Systems with Road Load Data and Block Cycle



Design, Analysis and Manufacturing of Testing Rigs and Fixtures



Multiaxial Testing Capabilities



OlgunCelik Test Center

allows the application of all load and environmental conditions on vehicle components without any loss we fulfill all the verification needs of our valuable customers within the global automotive industry.

HORIZON EUROPE PROJECT - FURHY

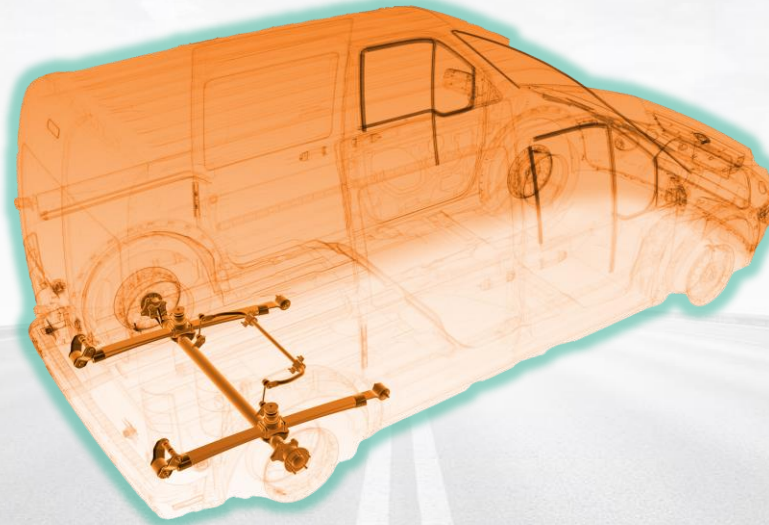


UNIVERSITÀ DEGLI STUDI
DI SALERNO



OLGUNCELIK

Leading Technology



Thank You

Arzu ÖZÜYAĞLI

R&D Operations Engineer

OlgunCelik A.S. / Turkey

arzu.ozuyagli@olguncelik.com.tr