

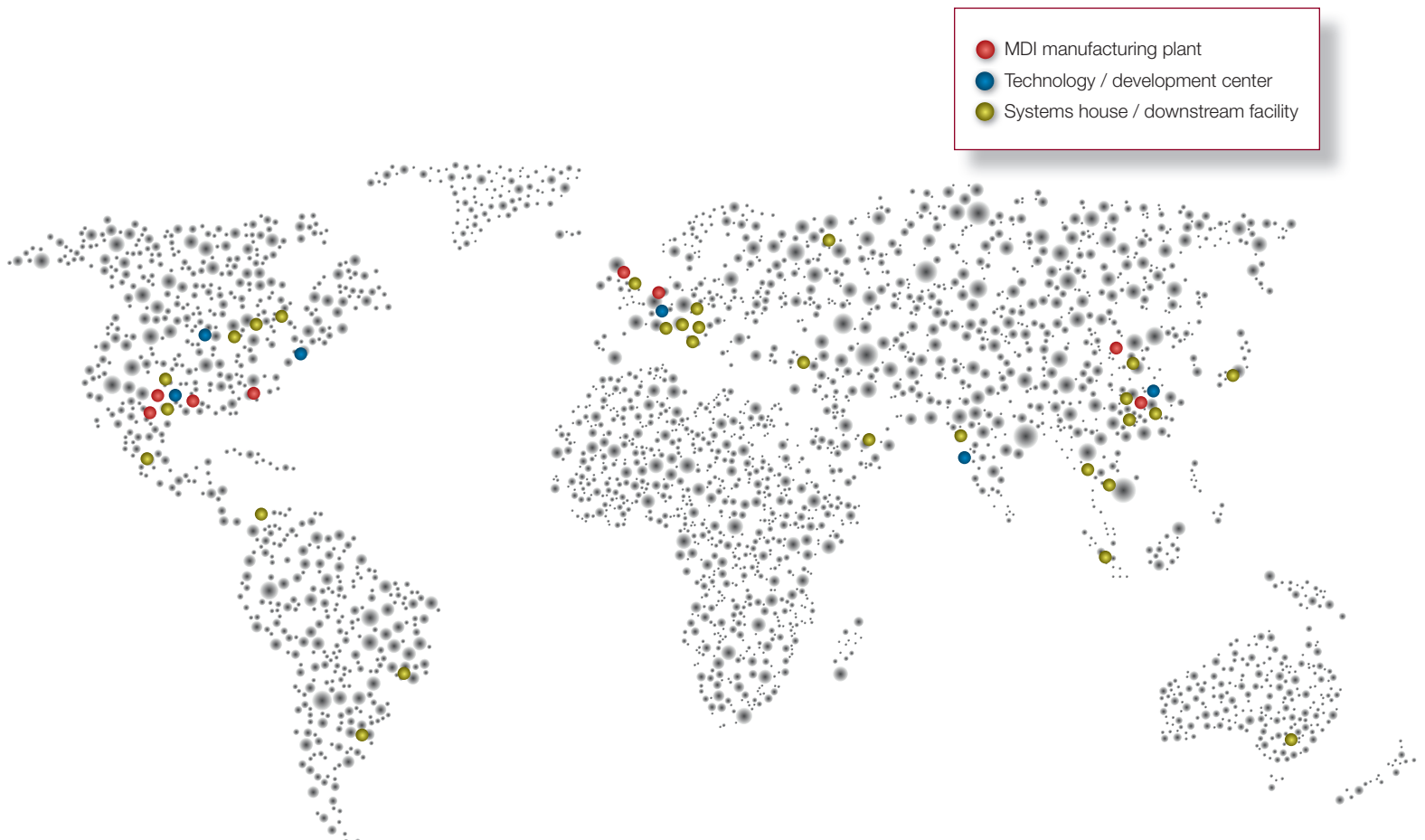
PU Solutions for the Automotive Industry

At Huntsman, we are committed to developing products that address some of the world's biggest mobility challenges. We dedicate ourselves to evolving with our customers' needs, creating chemistries, materials and solutions that can help solve increasingly complex design issues in a rapidly progressing market.

As a leader in PU, we build long-term partnerships with our customers, combining industry expertise with material know-how. The result is lighter, safer, more fuel-efficient vehicles that maintain the high quality standards needed to deliver passenger safety and comfort.

Global Network, World-Class Capabilities

Our global network includes strategically located system houses and key manufacturing hubs worldwide with dedicated local associates. In addition, we have well-equipped technical centers in Europe, Asia and the United States of America where we can perform testing using the same equipment as our customers.



HUNTSMAN

Enriching lives through innovation

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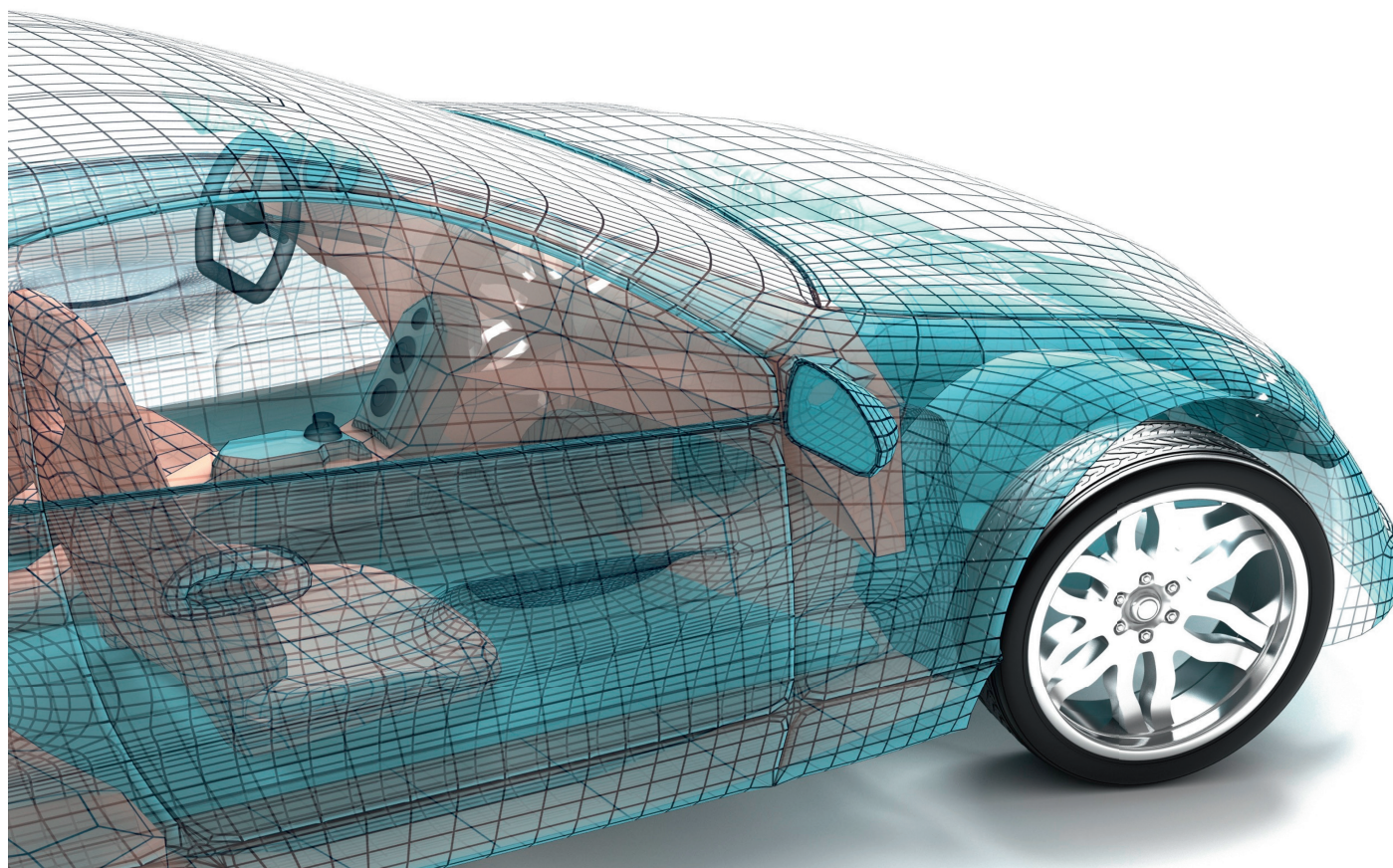
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Polyurethanes

Light, durable, fast, strong

From Chemistry to Application,
Huntsman is your **Automotive** Solution Provider



RUBIFLEX®

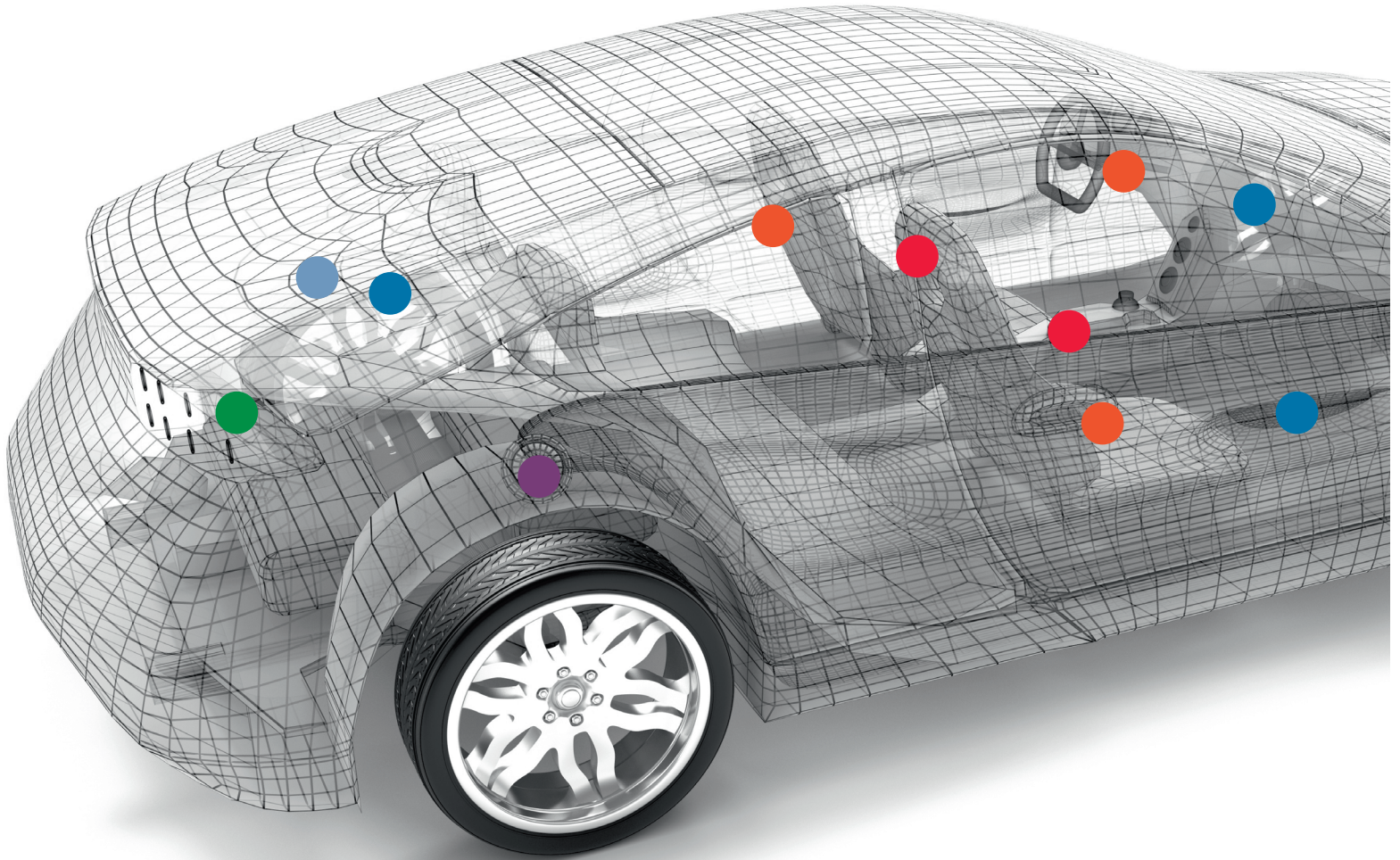
RUBITRIM®

ACOUSTIFLEX®

SHOKLESS™

VITROX®

RIMLINE®



RUBIFLEX®

Comfort foam technology

Benefits

- Superior comfort and support
- Advanced durability
- Unique vibration damping properties
- Ultra low emissions
- On-demand performance with fully formulated systems and / or components
- Improving sustainability through bio-content (H-Bio).

Applications

- Automotive seating
- Motorcycle and power sports saddles
- Industrial seating
- Head restraints
- Back-rests
- Arm rests
- Consoles
- Cushions
- Bolsters.



Huntsman PU Solutions for Exterior and Interior Automotive Applications

RIMLINE®

Resin technology for Composites

Benefits

- High toughness combined with robust mechanical properties
- Flexible manufacturing with or without IMR
- Fast curing, resulting in high productivity
- Proven solution for RTM, pultrusion, honeycomb spray compression moulding and core foam moulding.

Applications

- Battery covers
- Bonnet/hood covers
- Leaf springs
- Suspension arms
- Load floors
- Seat pans
- Sun shades
- Parcel shelves / trays
- Composite core foam.

ACOUSTIFLEX®

Acoustic foam technology

Benefits

- Acoustic absorption and insulation
- Dynamic noise vibration damping
- Good thermal performance
- Compliance with wide range of flammability requirements
- Fast cycle times for production efficiency
- Compliance with low emission standards for leading OEMs
- Lightweight
- Cost effective.

Applications

- Carpet underlay
- Stuffer pads
- Pillar cavity fill
- Bonnet / hood liners
- Wheelhouse
- Transmission tunnel insulators
- Sound insulating components
- Inner dash
- Floor mats.

SHOKLESS™

Vibration isolation technology

Benefits

- Exceptional compression stress performance
- Good physical and mechanical properties
- Fewer design restrictions compared to rubber
- Weight-saving opportunities
- Easy processing when compared to NDI
- Step change in economics compared to NDI.

Applications

- Spring aids
- Rubber-based components
- Jounce bumpers
- Engine mounts
- Seals.

VITROX®

Resin technology for Advanced Composites

Benefits

- Broad range of Tg
- Unique combination of high toughness and high stiffness (modulus) for lighter, more durable parts
- Tunable work-life followed by snap-cure, for wider processing windows and extremely short cycle times
- Versatile processing, enabling high volume production
- Compatibility with various manufacturing techniques (RTM, Spray-up, Winding).

Applications

- Battery covers
- Bonnet / hood covers and backing structures
- Leaf springs
- Suspension arms
- Seat pans
- B-pillars
- Spoilers.

RUBITRIM®

Soft touch technology

Benefits

- Low emissions
- Compatibility with PVC skins
- Excellent part-to-part reproducibility
- Robust processing
- A fast cure for improved manufacturing speeds
- Meets wide range of OEM specification requirements.

Applications

- Head restraints
- Head restraint cores / inserts
- Arm rests
- Consoles
- Instrument panel & door panel backfoam
- Steering wheels
- Air filters & gaskets
- Energy absorption / crash pads.
- Knee protections
- Bumper infill
- Spoilers
- Underhood battery covers / boxes
- Fascia panels
- Composite core foam
- Cavity filling
- Oil filters
- Crash pads.