Smart Molded Structures

TACTOTEK™
TactoTek - Leader in In-Mold Structural Electronics (IMSE)

Founded: 6/2011
Employees: 70+
Core business: technology licensing and manufacturing of 3D smart in-mold electronics
Patented and patent pending manufacturing processes and applied uses
Design services to migrate traditional designs into structural electronics designs
Primary markets: Automotive, Appliances, IoT/Wearables, Medical Devices
Investors: Conor, VTT Ventures, Faurecia Ventures, Leaguer VC, Private Angels, EU H2020

Driving Global Electronics Industry Transformation
TactoTek Solution: IMSE

TactoTek designs and produces 3D Injection Molded Structural Electronics (IMSE) — technology so advanced that it simplifies electronics design and integration while using less plastics and environmentally sustainable processes.

Surface film

Injection molding

Electronics film

Intelligence and functionality encapsulated within plastic as thin as 2 mm

- Printed circuitry
- Printed sensors, controls and antennas
- Electronic components

3D Design Freedom
- Light, thin structures
- Durable & protected electronics

Simplified electrical and mechanical assembly
- Scalable & cost-efficient mass production with existing equipment
- Low Total Cost of Ownership
Re-Architect the Automotive Interior

IMSE enables to position control functions in new ways to previously unattainable locations

- Leverage new surfaces and materials
- Less weight, space efficiency, new aesthetics
- Smooth, easy to clean surfaces

Door, Seat & Mirror Controls
- Aesthetic and functional
- Integrated into contoured surfaces in door panels and/or door handles
- Personal climate/IVI controls

Smart Steering Wheel
- Rear-mounted turn signal controls & Gear shift ops
- Driver HOD detection
- IVI/drive controls

3D Center Console
- 3D trackpad, IVI controls
- Drive mode touch selector

Slim OHCP
- Stylish, highly integrated slim line overhead controls

Slim Deco Vents
- Integrated climate controls and illumination
- Individualized zones
Mielikuvia
- Yliopistokaupunki
- Teknologiakaupunki
- Maantiede
- Kulttuuri
- Kustannustehokkuus
- Työvoima
- Mentaliteetti
- ’Oululainen yhteistyö’
- Myynti- & markkinointiosaaminen

Pohdintoja
- Infrastrukturi & maantiede
- Business on business
- Yliopisto-, korkeakoulu ja tutkimuskeskukset
- Opiskelijat & vapaaehtoisuus
- ’Kohtaamisia’
- ‘Globalisaatio’
- ’Suomensisäisyys’
Thank you!

www.tactotek.com