

Polysmart Technologies Pvt. Ltd.



polysmart
Perfection in Plastics

The only



in Asia

Polysmart Technologies is Asia's only company to be certified as Moldflow Silver Certified Consultant with plastics product design services as its key core competency.

One stop solution for the Plastic product design

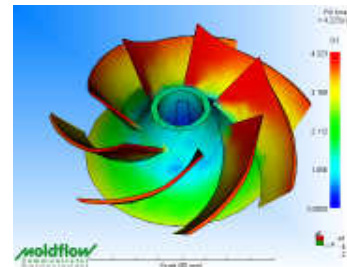
Plastic Product Design Services

- ❖ Product Detailing
- ❖ Design optimization
- ❖ Design for Manufacturing
- ❖ Metal to plastics conversion



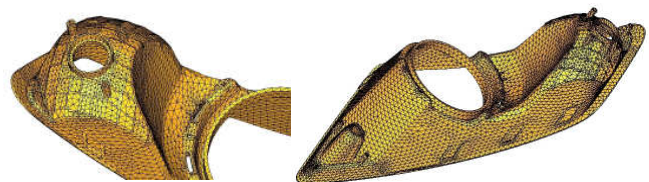
Moldflow Services

- ❖ Midplane / Fusion / 3-D Moldflow Analysis
- ❖ Filling /Packing Analysis
- ❖ Cooling Analysis
- ❖ Warpage Analysis
- ❖ Core Deflection analysis
- ❖ Shrinkage Analysis
- ❖ Fiber Analysis
- ❖ Co-injection Moulding
- ❖ 2-Shot Sequential Over moulding Analysis
- ❖ Insert Over moulding Analysis
- ❖ Dynamic Feed®
- ❖ Meshing for Moldflow - (Midplane, Fusion, 3D mesh)
- ❖ Runner design, Runner Balancing and cooling system optimization, cycle time optimization
- ❖ Gas Assist Moulding



Analysis

- ❖ FEA structure analysis (Stress, Deflection, Fracture, Vibration)
- ❖ Thermal expansion analysis
- ❖ Linear & non linear analysis
- ❖ Crash simulation
- ❖ Buckling analysis
- ❖ Modal & frequency analysis
- ❖ CFD fluid simulation
- ❖ Static & dynamic analysis with contact



Polysmart Technologies Pvt. Ltd. 94 Bombay Talkies Compound Malad (West),
Mumbai 400 064 **INDIA.**

Tel: +91-22-2882 4448, +91-22-2881 3508, +91-22-28823241 FAX: +91-22-2882 0629
Website: www.polysmart.com email: sales@polysmart.com

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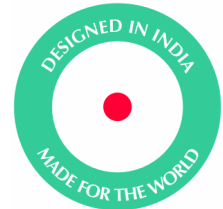
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Software Expertise

- ❖ Moldflow plastic Insight 6.2 / Autodesk Moldflow Insight 2010
- ❖ Altair Hyper works 9.0
- ❖ UG /PRO-E/ CATIA /SOLIDWORKS /SOLID EDGE
- ❖ Abaqus / Ansys / Ls-dyna / Radioss / Nastran

The USP of a Leader

- ❖ Inherited knowledge from parent company in the business since 1959
- ❖ Ethical Business process
- ❖ Data Security
- ❖ Six Sigma methodology
- ❖ Time zone, Cost competitiveness and Brain-ware advantage
- ❖ In-house built tools for accurate solutions
- ❖ Quality standards for estimations and project execution
- ❖ Serving global clients



Concept to Reality

Polysmart provides Engineering Services from concept design to rapid prototyping & soft tooling. Polysmart has developed Best Practices & Processes for offering services in designing plastic components and serves global customers. **Polysmart employs a perfect synergy of human intelligence, Six Sigma processes and advanced digital technology such as CAD/CAM/CAE.**

Focussed industry verticals

- ❖ Automotive
- ❖ Appliances
- ❖ Consumer durables
- ❖ Industrial products
- ❖ Medical products
- ❖ Water

