



Additive Manufacturing Services

Digital Light processing (3D Systems) facility available at
Central institute of tool Design, Hyderabad

Additive Manufacturing is the process by which digital 3D CAD data is used to build up a component in layers by depositing material. Though it is sometimes referred to as "3D printing", Additive manufacturing also implies a professional production technique which is clearly distinguished from conventional methods of material removal. Instead of milling a work piece from solid block, for example, Additive Manufacturing builds up components layer by layer using materials which are available in fine powder form.

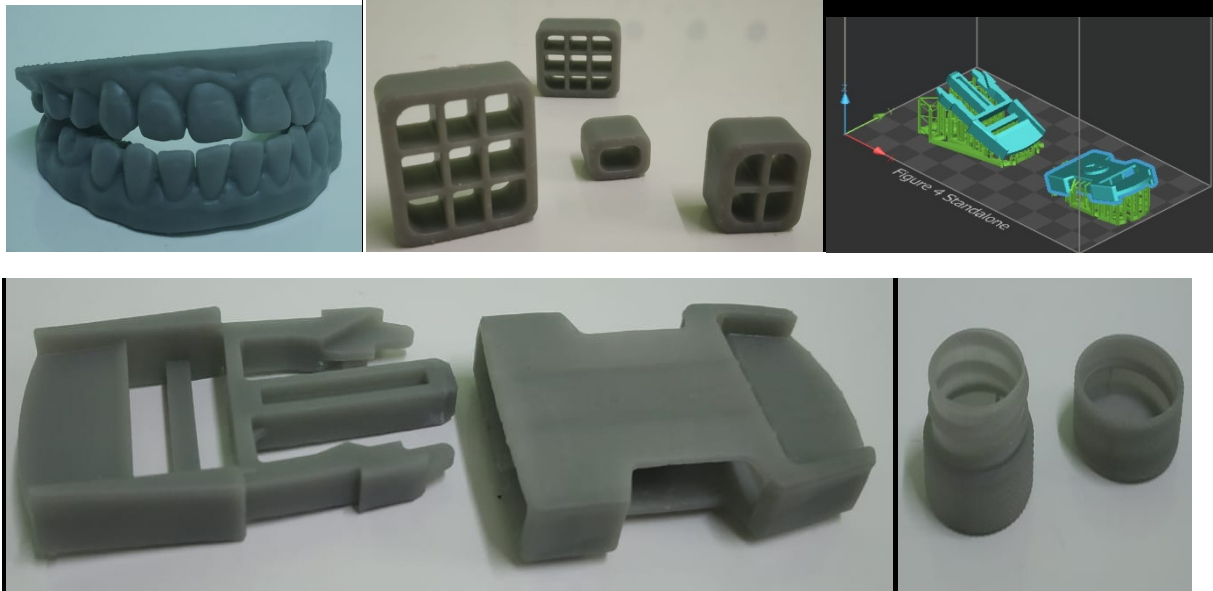
- Replacement of traditional molding and cast urethane processes
- Rapid functional prototyping and fast concept models
- Investment casting patterns for jewelry
- End-use durable plastic parts
- Short run production of plastic articles
- Jigs and fixtures, Rapid tooling -molds and master patterns
- Elastomeric prototypes can be developed parts
- Medical applications requiring biocompatibility and/or thermal resistance



Application Industries
General Engineering, Tooling, Medical, Jewellery



Digital Light processing- Figure 4 Standalone



CITD as an industrial manufacturing, Design & Training Centre allows the fast and flexible production of high end parts based on 3D CAD data at a repeatable industry level of quality. As a disruptive technology it paves the way for a paradigm shift in product design and manufacturing. It accelerates product development, optimizes part structures and enables functional integration. As such, it creates significant competitive advantages for its customers by saving money & eliminating approximately 80% of your material waste, cut your manufacturing time by 70%.



For further detail contact:-

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