

3D Printing brings a competitive edge to Stovekraft's Home Appliances

Mr. Jithin

Assistant Manager-Design & Development

Stovekraft Limited



Stovekraft Manufacturing Facility at Bangalore, Karnataka

Stovekraft Limited is India's largest kitchen appliance industry. Over the years, Stovekraft has evolved as an organization, creating masterpieces that seamlessly blend sophistication and aesthetics with technology to



make even dull household chores in the kitchen a pleasurable experience. The company has two manufacturing facilities: one in Bangalore, which is the nation's largest kitchen appliance manufacturing facility, and another in Baddi, Himachal Pradesh.

Our flagship brands are Pigeon & Gilma, each has a unique consumer proposition and different go-to-market strategies. With over 34K dealers, we are widespread in the nation. With our brands, we offer premium kitchen solutions over a wide range of products which include a pressure cookers, non-stick cookware, gas and induction cooktops, mixer grinders, chimneys, and hobs.

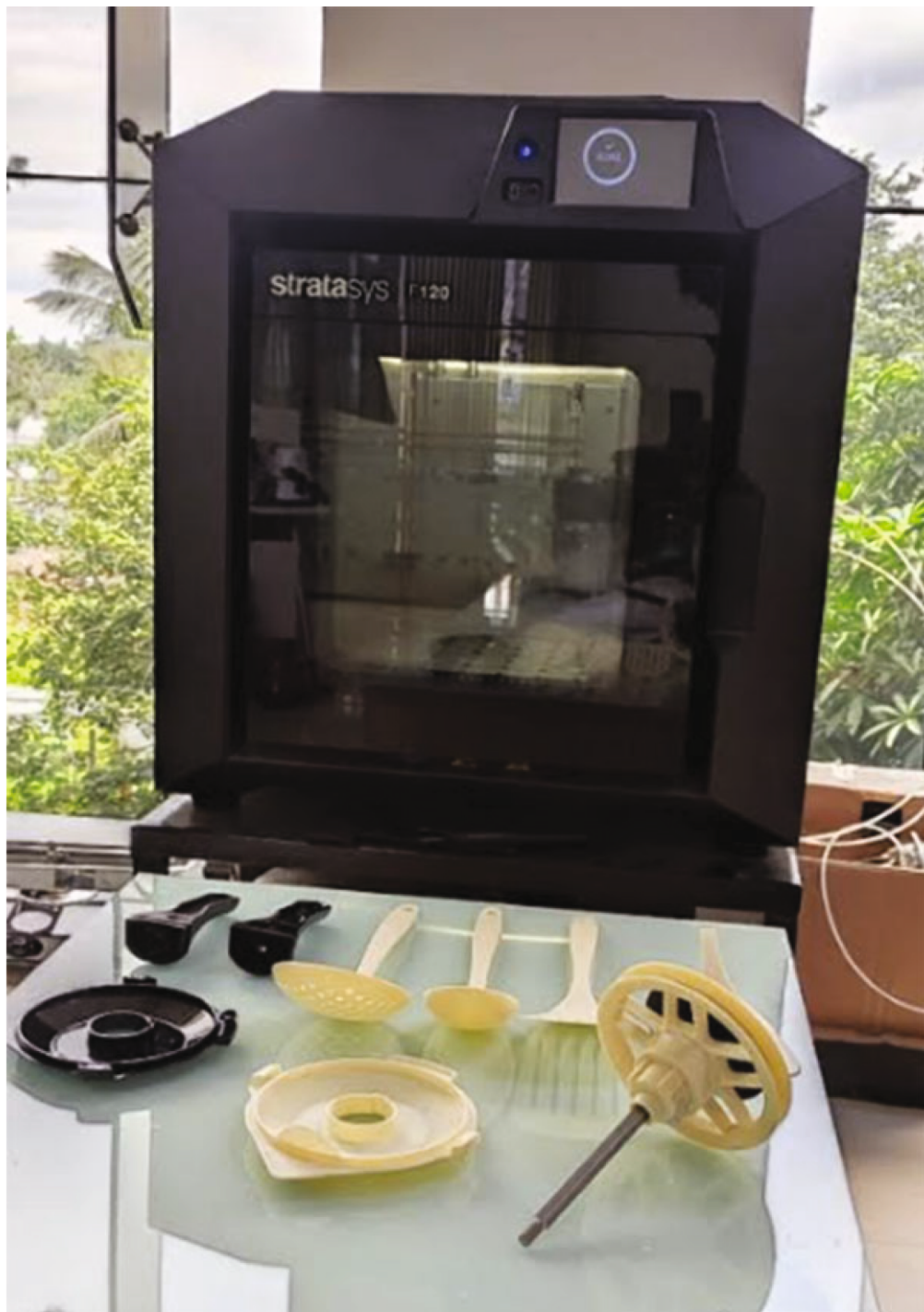
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“It is good to have something physical in hand, We can make as many prototypes as we need until we achieve our design goals. From Ideas to Prototypes to Production Stratasys F123 is a perfect fit.”

Mr. Jithin,

Assistant Manager – Design & Development

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Printing Prototypes: For Function & Design Validation

Easy Operation = High Manufacturing

StoveKraft is deeply committed to delivering high-quality products to its customers. The company's emphasis on Design, Manufacture, and Delivery reflects their dedication to ensuring excellence throughout their product development process. By striving to not only meet but exceed customer expectations, StoveKraft demonstrates its customer-centric approach.

Recognizing the importance of Technology in driving innovation, StoveKraft has made a significant investment in Stratasys 3D printing technology. This decision showcases their forward-thinking mindset and readiness to embrace cutting-edge solutions to enhance their product development capabilities.

The implementation of FDM 3D Printing technology has clearly revolutionized their product development approach. Prior to this, the company relied on 3D printing services in Bangalore for prototyping, which proved to be inefficient in terms of both cost and time. Waiting for days to receive just one prototype limited their ability to iterate and refine their designs.

However, with the inhouse adoption of Stratasys F120 3D Printing machine, StoveKraft has experienced a transformation in their prototyping process.

StoveKraft's investment in FDM 3D printing machine, backed by the exceptional technical support from Altem Technologies Pvt Ltd has propelled them to the forefront of innovation in their industry. This advanced

technology enables them to deliver improved products to customers and maintain a competitive edge in the market.



Stratasys F120 Solution

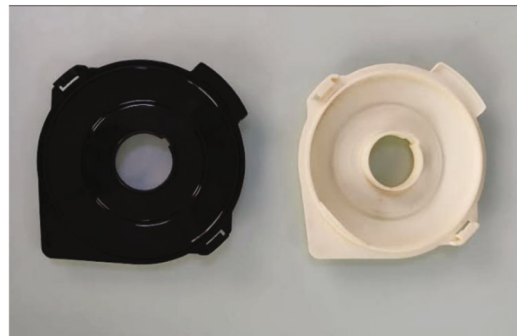
The Stratasys F123 Series F120 machine is very user-friendly. We can 3D print any kind of complex geometry including assemblies of different components in a single go with the help of water-soluble QSR support material.

The Engineering Grade Thermoplastic ABS-M30 and ASA materials are good enough for testing the functionality of the printed component. Due to the high printing accuracy of the machine, we can easily do the form-fit testing of the component which helps in the quick decisions in the finalization of the design.

We are using the F120 3D printer for almost all of our new developments and are well satisfied with the output.



Prototype of Pressure cooker handle printed in Engineering Grade ASA Thermoplastic Material



Prototype of Mixer Jar lid printed in Engineering Grade ASA Thermoplastic Material



Prototype of Pigeon Mixer Assembly printed in Engineering Grade ASA Thermoplastic Material for design validation vs the Final model.



Stratasys FDM Technology based F120 Office Friendly 3D Printer



Prototypes of different Kitchen products 3d printed in ASA material

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“Time is the most important asset for any new product development and Stratasys F120 granted us a competitive edge by developing the perfect products at faster speed.”

Mr. Jithin,

Assistant Manager – Design & Development

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About Altem Technologies Pvt. Ltd

Altem is a comprehensive 3D digital experience company with a robust presence in the industry for nearly 15 years. From humble beginnings in PLM software and 3D Printing, Altem Technologies has evolved into a leading provider of complete digital solutions. Our 3D Innovation platform encompasses a wide range of



products covering plethora of applications in design, reverse engineering, asset digitization, prototype manufacturing, life science, consultancy services etc. We cater to diverse industries such as automotive, aerospace, manufacturing, healthcare, research academia, and more, addressing their unique needs with expertise and innovation.

Altem Technologies Pvt Ltd is also a leading providing of 3D Printing services in India offering with technologies like FDM, Polyjet, DLP, Metal etc. Altem offers a complete solution around and aspires to be a one-stop for all **3D Printing**, **3D Scanning**, **CAE**, **PLM**, and **Life Sciences** needs, with a wide spectrum of products for engineering & life sciences companies in India.

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