

# Sonmak Adds Flexibility to Production Line with 3D Printing

Raise3D Case Study

<https://www.raise3d.com/case/sonmak-adds-flexibility-to-production-line-with-3d-printing/>

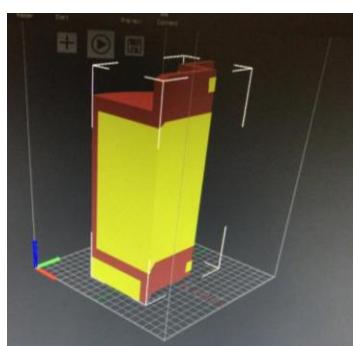


Sonmak Diamond Tools is a company that produces diamond-cutting tools for the natural stone industry. As a leading cutting tools manufacturer, [Sonmak Diamond Tools](#) uses the [Pro2 Plus](#) from Raise3D to apply 3D printing for customization on its production line.

## Obstacles Encountered when Manufacturing Parts without 3D Printing

During production, the wide range of parts required and the production process itself could, on occasion, cause issues. As a result, the Sonmak team needed to design and manufacture the required parts independently, which can be complex and costly. For these reasons, the Sonmak team began to produce these parts on the [Raise3D Pro2 Plus 3D printer](#).

## 3D Printing Meets Customization and High-Intensity Needs



During packaging, the team wrapped the edge of the saw with a printed cover so that the saw would not damage the packaging during transportation.

Sonmak designed and sliced models in



Another example is a suction system Sonmak printed to remove dust from their machine, to prevent the dust from spreading into the environment.

Sonmak used [Raise3D Pro2 Plus 3D printer](#) to print a set of a suction system, which greatly protected the working environment.

## Advantages from Raise3D Products for Process Improvement



The large manufacturing volume from Pro2 Plus adds more value to the company, especially when manufacturing objects for machine parts production.

With the help of [ideaMaker](#), the capability of 3D printers is raised to level that defining parts' mechanical properties.

Sonmak Diamond Tools use their large-volume [Raise3D Pro2 Plus 3D printer](#) to increase tool production efficiency.

## 3D Printing Improves Traditional Manufacturing Iteration

3D printing can be used to manufacture parts with complex designs simply. 3D printing is a different method from traditional manufacturing and can replace CAD-CAM production. Mastering 3D printing technology can convince users of its convenience in professional manufacturing, and more importantly, increasing users' 3D printing experience.

This case is shared by Raise3D's Turkish distributor, [3dörtgen](#).

## Connect with Raise3D

Do you have a great 3D printing success story and think it would be cool to be featured on [www.raise3d.com](http://www.raise3d.com), we would love to learn more! Write to us at [inquiry@raise3d.com](mailto:inquiry@raise3d.com)

For more information about Raise3D printers and services, browse [our website](#), or [schedule a demo](#) with one of our 3D printing experts.