

S1

 Sintratec



The laser sintering machine for your professional needs

The Sintratec S1 brings your digital objects to reality better than ever.

You can print highly complex and functional parts with complete freedom of form.

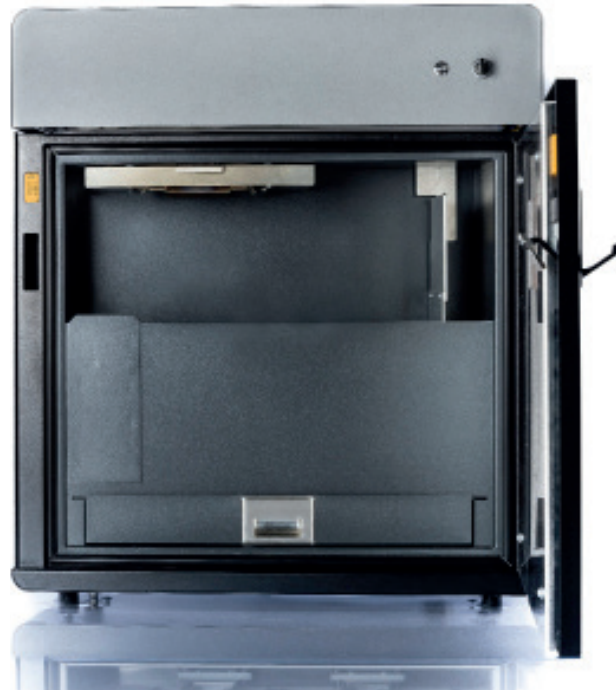
The Sintratec S1 has been designed to meet the professional needs of industries like aerospace, automotive, medical, industrial machinery and rapid prototyping as well as education and research.



 Sintratec
Print your mind

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Print Material

The main print material is a high performance industrial grade polyamide (Nylon). It allows you to print strong, temperature resistant, precise and durable work pieces. The printed parts can be used for functional prototypes in mechanically demanding applications and end products.

| | |
|---------------|---------------------|
| Main Material | Polyamide 12 |
| Color | Anthracite |
| Particle Size | 60 Micrometers avg. |
| Melting Point | 176 °C |



Diode Laser Sintering

Laser Sintering is the gold standard in additive manufacturing for industrial needs. Due to the Sintratec S1's high precision diode laser you can expect exceptional results.

Take advantage of Sintratec's technology to create functional prototypes and high quality end products tailored to your specific needs.

Sintratec Software

The Sintratec S1 comes with the Software Sintratec Central. The intuitive interface allows you to easily import your 3D objects and start your print job.

Technical Specifications

| | |
|------------------------|--------------------|
| Print Volume | 130 × 130 × 180 mm |
| Layer Height | 100 Micrometers |
| Outer Dimensions | |
| Height | 740 mm |
| Width | 670 mm |
| Depth | 350 mm |
| Weight | 67 kg |
| State upon Delivery | Ready to print |
| Power Connection | 230 V |
| Peak Power Consumption | 1.9 kW |

Operational Environment

We recommend to install the printer in an environment where powder residues do not pose a problem. A standard power connection is sufficient to operate the machine. A state of the art computer running the latest Sintratec software is required for operation. The computer can be connected via USB to start the print job.