MAPTEC
COMPUTER SYSTEMS

MANUFACTURING *TOMORROW*

S1

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.

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 (max.)	130 x 130 x 180 mm
Print Volume (recomm.)	110 x 110 x 160 mm
Layer Height	100 Micrometers
Outer Dimensions	
Heigth	757 mm
Width	670 mm
Depth	365 mm
Weight	67 kg
State upon Delivery	Ready to print
Power Connection	230 V
Peak Power Consumption	1.9 kW

Materials

With the Sintratec print materials you can create parts that can be used as functional prototypes in mechanically demanding applications and even as end products.

Sintratec PA12

A high performance industrial grade polyamide (Nylon). It allows you to print strong, temperature resistant, precise and durable work pieces.

Main Material	Polyamide 12
Color Particle	Anthracite
Size Melting	60 Micrometers avg.
Point	180 °C

Sintratec TPE

A technical elastomer powder which allows you to print precise and highly flexible parts.

Main Material	Elastomer
Color Particle	Anthracite
Size Melting	50 Micrometers avg.
Point	110 °C