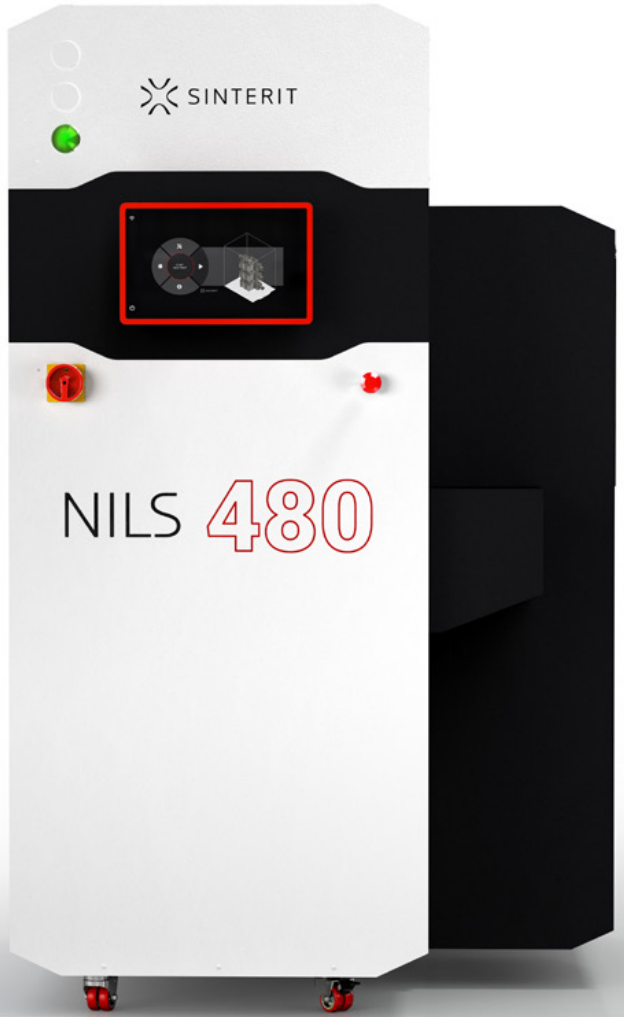
SINTERIT

New Industrial Laser Sintering

NILS 480

PRODUCTIVITY REINVENTED



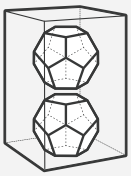
NILS 480

A NEW INDUSTRIAL SLS 3D PRINTER

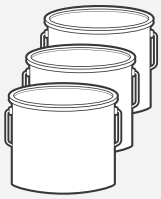
with the reinvented productivity ensuring the best ROI on the SLS technology market.

Business Benefits

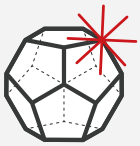
ROI in as little as 40 days
achieved thanks to larger bed size and maximized speed.



Economical & Ergonomic
thanks to smart powder distribution systems and automation.



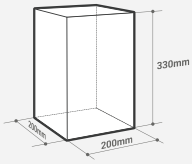
A Range of Materials
covering the majority of key industrial needs.



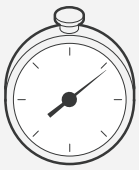
Top printing quality
thanks to our experience-based know-how in the SLS industry.

Limited powder waste
by automating powder distribution and providing a larger printing area.

Technical Benefits

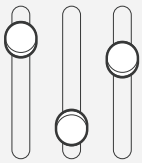


Build Volume
Industrial-size machine with a bed measuring 200 x 200 x 330 mm.

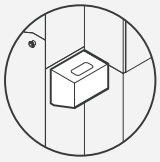


Exceptionally fast printing
Build speed of 10-14mm/h and full bed printed in 30 hours.

Galvo laser
The key element responsible for the exceptional speed.



Open environment
Over 50 open printing parameters and the ability to use external materials.



Automated systems
Automatic Powder Distribution System and Continuous Printing System.

NILS 480 - Specification

PROPERTIES	VALUE
Build Volume	200 x 200 x 330 (W x D x H) mm 7.9 x 7.9 x 13.0 (W x D x H) in
Max print diagonally	435 mm 17.1 in
Build speed	10 - 14 mm/h 0.39 - 0.56 in/h
Scanning type	Galvo
Laser Type	IR 30 W
Laser Spot Size	650 - 700 mn / 0.0256 - 0.0276 in
Files	STL, 3MF, OBJ, 3DS, FBX, DAE
Inert gas control system	yes

Reinvented productivity in NILS 480

Industrial professionals expect to achieve optimal printing costs. However, those costs are down to a variety of factors, including printer performance, the cost and refresh ratio of materials, machine maintenance, machine speed, printer purchase depreciation, and electricity. By accounting for all of these factors and adding two automated systems we have achieved an extraordinarily productive machine: the NILS 480. **It drives down per-part costs, thus boosting ROI much faster than other SLS printers on the market.**

Calculation example:

Material	PA12 Smooth
Number of parts	960 pcs
Print Time	25 hrs
Print area density	18%
Load	80%
Price	0.46 € per part 437.90 € per run

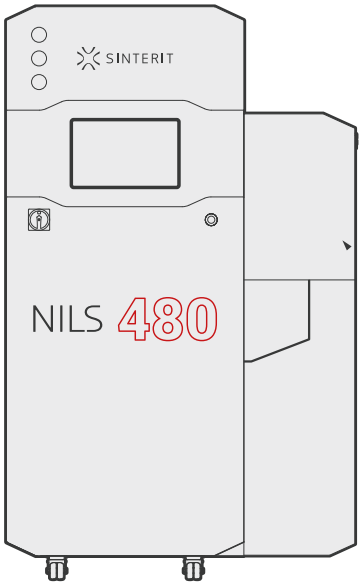
Quantity of parts to make back machine cost: 36 576

40 DAYS to pay off the entire machine.

Sinterit's solution optimizes the printing process

Sinterit supports the user at all stages of the printing process. From preparing the models in the Sinterit Studio, to printing, full post-processing and powder management. This makes using the Sinterit system as easy and functional as possible.

Sinterit's Solution



NILS 480

Sandblaster SLS

Powder Handling Station

ATEX/Intertek Vacuum

SINTERIT

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About Sinterit

Sinterit is a global supplier of innovative 3D printing solutions in SLS technology. With two SLS 3D printer lines - compact and industrial - it answers the needs of engineers, educators, researchers, scientists and, above all, visionaries.

Sinterit SLS 3D printers work every day across multiple industries including automotive, electronics, mechanical engineering, consumer goods, healthcare, and many more.

Sinterit's system is used in over forty markets around the world with more than a thousand installations. The recipient of awards at Formnext and from All3DP authority (multiple times), Sinterit SLS 3D printers are known for their ease of use, uncompromising quality, and availability.