Materialise e-Stage is a software solution that takes full care of support generation for Stereolithography and DLP 3D Printing. Whether you run one or 50 printers, Materialise e-Stage is an indispensable tool to grow your business. Materialise e-Stage does not only fully automate the generation of supporting structures, it also does it in a smart way that positively impacts part quality and finishing efforts. In addition, it allows you to accept more challenging projects, both in terms of part complexity as in lead time.

“Materialise e-Stage enables us to orientate components in ways that traditionally would have been unimaginable. We can now nest/overlap parts in Z as Materialise e-Stage grows supports around surfaces to minimize the number of contact points. This combination allows our company to optimize build quality and maximize build capacity. Overall, the improved build quality dramatically reduces part finishing ultimately saving money, but more importantly helping to maintain our reputation for part quality.”

Ross Nicholls, General Manager of Malcolm Nicholls, UK

Materialise e-Stage helps you to:

**Automate the work preparation**
- Rely on 100% automated support generation
- Generate support structures for a full platform within minutes
- Benefit from smart software, taking into account material, printer parameters, and more

**Reduce finishing efforts**
- Reduce support removal efforts
- Avoid part damage caused by tools
- Minimize risk of breaking small features
- Decrease sanding time

**Optimize the build process**
- Control part quality
- Maximize print performance with minimal resin consumption

**Maximize customer services**
- Accept more complex parts
- Facilitate last-minute orders
- Develop shorter lead times
- Free up the time of your experts for advising customers
Materialise e-Stage generates needle-thin contact points for easy support removal

Materialise e-Stage Support Structures

- Open support structures to minimize resin consumption and maximize resin drainage
- Needle-thin contact points to minimize marks on the part
- Support structures on platform level to optimize the usage of the build space

Even though the actual support generation is fully automated, the user has almost endless flexibility in creating and tweaking parameter sets depending on the printer, resin material and type of parts produced.

“"I no longer wanted to sacrifice my best engineering people to the labor intensive task of support generation... Materialise e-Stage does it automatically now, and we can be sure the build will be successful. This brings more added value and it is seen in the reduced lead time of our engineering projects and the improved customer satisfaction."

Yvon Gallet, CEO, Initial, France

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For more information about Materialise e-Stage, contact us at: software@materialise.be or visit our website software.materialise.com