



mold the unseen

# Introducing: The Freeform Injection Molding Scale-Up Package

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# Our Scale-Up Package

Unseen details  
with 3D printed molds



**Print.**



**Inject.**



Unseen freedom  
in material choices

Unseen products  
from the soluble mold



**Dissolve.**



## What is Freeform Injection Molding?

3D-printed injection mold tooling is transforming product development, and Addifab is transforming 3D-printed tooling with soluble molds.

Freeform Injection Molding starts with the 3D-printing of injection mold tooling inserts. These inserts serve the same function as the cores and cavities in conventional metal molds, only more sustainably. And you can fill them with your regular feedstocks using your standard injection molding machines; from the softest rubbers to the hardest metals, for unseen flexibility.

## The Scale-Up Package:

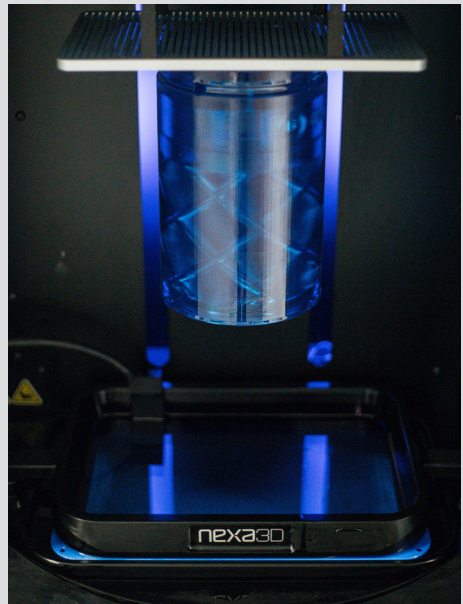
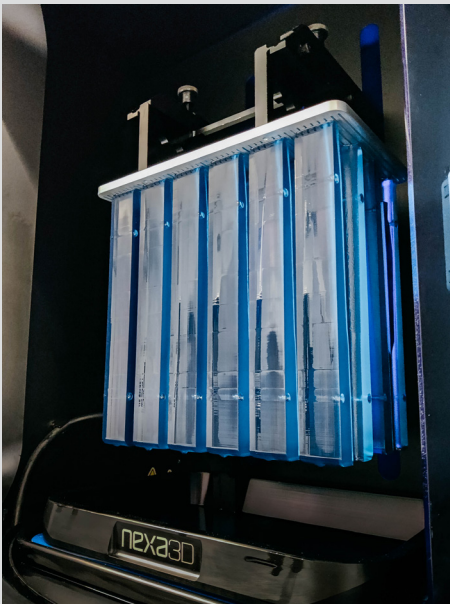
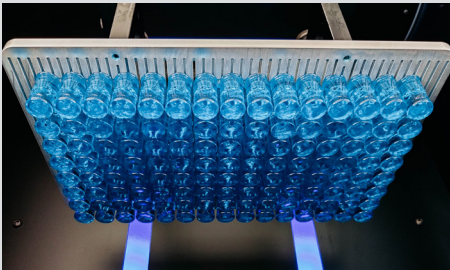
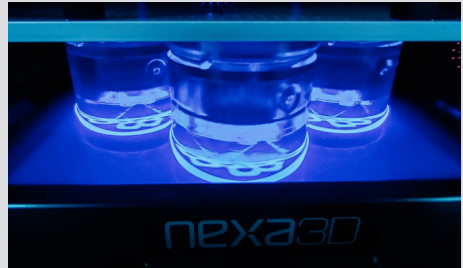
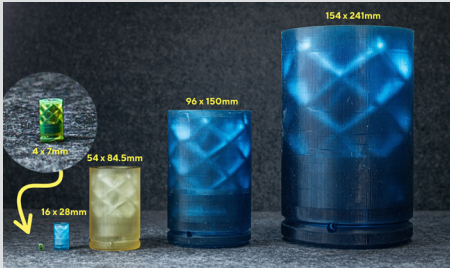
The Scale-Up package is Freeform Injection Molding for industrial manufacturers. A high-powered tool chain that brings the entire range of injection moldable materials into the additive manufacturing domain. Are you looking for cheaper, faster, and more sustainable tooling? Are you required to use a specific set of materials? Are you ambitious about bringing new value to your customers? Then the Scale-Up Freeform Injection Molding package is the choice for you!

You get unseen design freedom with unseen material selection – all on the same platform. You get the NXE 400 3D Printer and accessories from renowned supplier Nexa3D. You get your mold design software, tooling resins and demolding station from Addifab. And you get to drive down your costs on low-volume injection molding.

With the Scale-Up package you enable product development of 3D printed injection mold tooling that is 85% cheaper, 88% faster, and 75% more eco friendly than a regular steel tool.

Stop prototyping, start producing – with the Scale-Up package from Addifab.

# Seeing is believing



nexa3D<sup>®</sup>

mold the unseen

# NXE 400

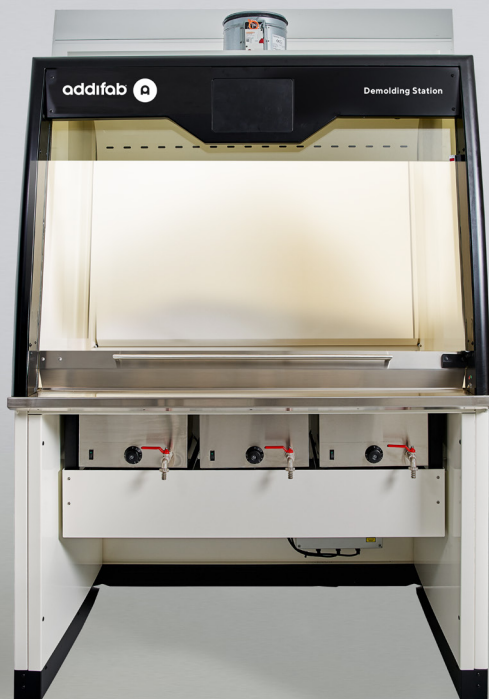


## Specs:

With an unprecedented 16L build volume measuring 27.5 cm x 16 cm x 40 cm (10.8 in x 6.3 in x 15.7 in), intelligent optimization, and Nexa3D's revolutionary patented Lubricant Sublayer Photocuring (LSPc) technology, the NXE 400 photopolymer 3D printer is perfect for any application.

<b>Build Volume</b>	275 x 155 x 400 mm (10.8 x 6.1 x 15.7 inch)
<b>Max Resolution</b>	4k (3840 x 2160)
<b>Pixel Pitch</b>	76.5µm (0.0030 in)
<b>Wavelength</b>	405 nm
<b>Material/Resin</b>	Addifab special 1

# Demolding Station



## Specs:

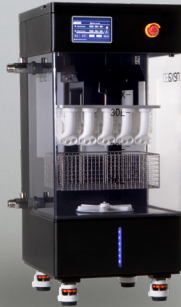
The Demolding station, is your last step before a final product. After injection molding, the printed cavities must be removed, either mechanically or by dissolving. Addifab provides a ventilated cabinet for the demolding procedure to ensure that operators can work in a safe and controlled environment. From concept to commercialization at the speed of 3D printing, and with the versatility and scalability of injection molding.

**Dimensions:** 59 x 35.4 x 94.4 In (1.5 x 0.9 x 2.4 m)

**Max Vats:** 9

**Vat Dimensions:** 4.7 x 10.2 x 7.8 In (120 x 260 x 200 mm)

# Auxiliary Equipment



## xWASH

Nexa3D's xWASH is a powerful, consistent, and sustainable washer for parts made by the NXE400 high-resolution 3D printer. It accommodates the full build volume of the NXE400 and can accept up to two build platforms simultaneously for streamlined post-processing workflow.

## xCURE

Nexa3D's xCURE unlocks the full potential of manufacturing with commercial 3D printers by optimizing the curing of all resin-based parts to ensure consistent dimensional accuracy, robust structural integrity, and stronger molecular structures.

## The Complete Scale-Up Package:

### Provided by Nexa3D:

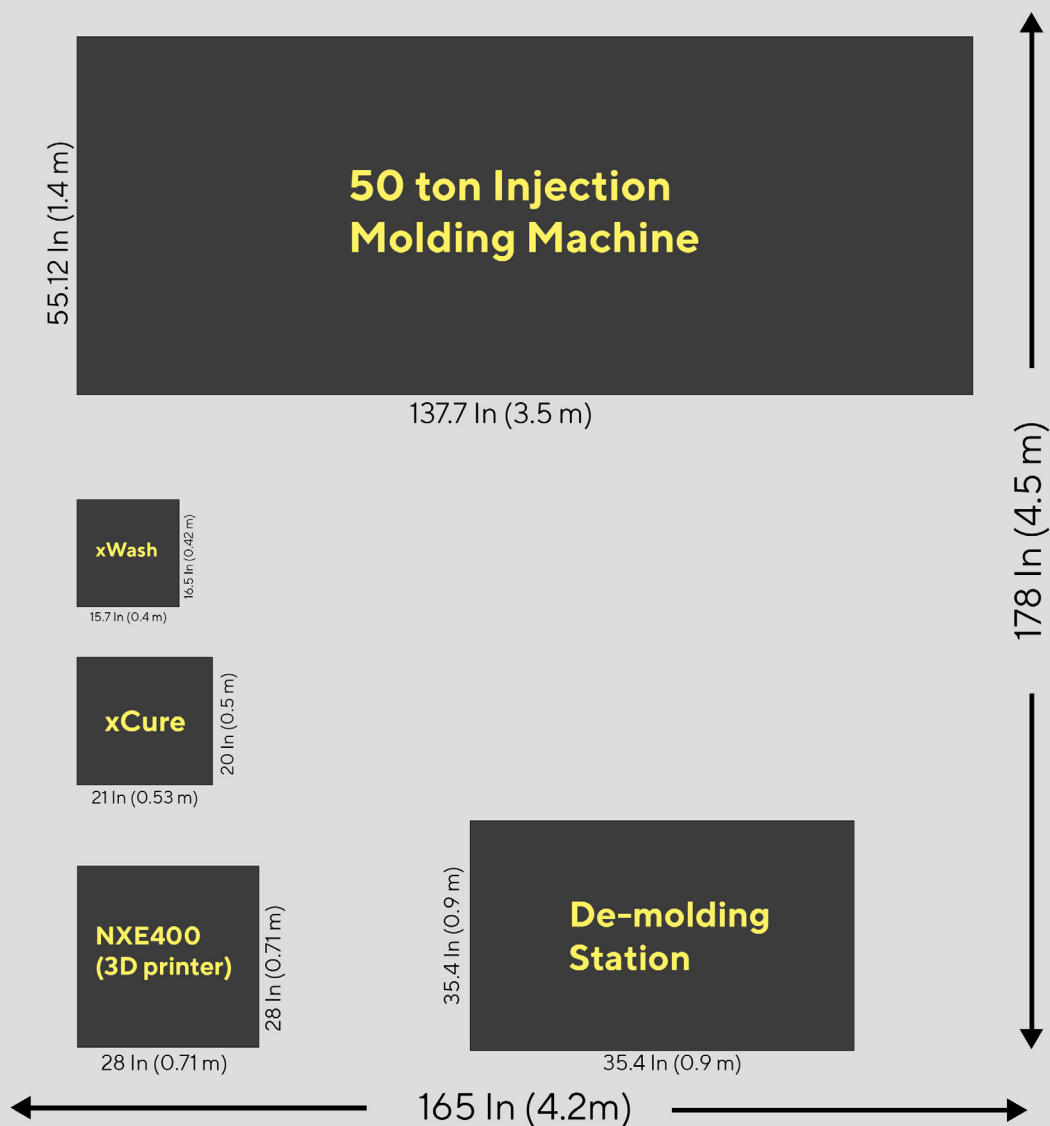
- NXE 400 printer
- Everlast2 Membrane, x5
- NexaX 2.0 SW
- xWash
- xCure
- xClean parts washing solution, 5 gal

### Provided by Addifab:

- Addifab Demolding Station
- Addifab solvent package
- Addifab GP Resin 10kg
- Addifab mold generator, 1-year license
- Installation & Training, NEXA
- Addifab online training



# Scale-Up Package floor plan (Example)





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# Get in touch:

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