

Ultimaker
Metal Expansion Kit

Take advantage of a new range of metal 3D printing applications by upgrading the Ultimaker S5 with the Metal Expansion Kit. Its seamless workflow makes creating stainless steel parts easier, more efficient, and affordable.

How it works

1. Print with BASF Forward AM Ultrafuse® 17-4 PH stainless steel filament[1] to create a “green part”
2. Send your green part for post-processing by BASF’s network of certified debinding and sintering services
3. Track debinding and sintering progress via an online portal, and receive your part back in 10 business days
4. Put your finished metal part to use – from small series of tools to auxiliary components

What’s included

- ✓ BASF Forward AM Ultrafuse® 17-4 PH (1 kg)
- ✓ BASF Forward AM Ultrafuse® Support Layer (300 g)[2]
- ✓ Packaging for green parts and voucher for post-processing
- ✓ Ultimaker Print Core CC 0.4
- ✓ Ultimaker Print Core DD 0.4[2]
- ✓ Magigoo Pro Metal (50 ml) adhesive
- ✓ Free Ultimaker Cura software with optimized metal part slicing features
- ✓ Access to exclusive metal FFF e-learning content on Ultimaker Academy

Why choose the Metal Expansion Kit?

An end-to-end metal 3D printing workflow
The Ultimaker Metal Expansion Kit provides access to software optimizations, post-processing services, and extensive e-learning modules.

Design and print high-quality steel parts
17-4 PH stainless steel plus a metal-optimized support material[2] offers the freedom to create strong parts with complex geometries.

Metal parts. Up to 90% cheaper
Comparing the Ultimaker S5 and Metal Expansion Kit to CNC and other additive methods, you can save up to 90% creating the metal tools and parts you need.

Plastic or metal? You decide
3D print either plastic or metal depending on your needs. Simply swap materials and change out the print cores, for more versatility and potential applications.

Learn more

1. Use of the Air Manager is strongly recommended when printing with BASF Forward AM Ultrafuse® 17-4 PH material
2. Only available in Europe

The Ultimaker platform

3D printers that simply work
Our award-winning 3D printers are robust, reliable, and easy to use. They deliver quality parts time and again. Designed and tested to run 24/7, they allow you to achieve the results you need more quickly and easily.

Software ready for Industry 4.0
Trusted by millions of users across 14 languages, Ultimaker Cura integrates with any workflow through Ultimaker Marketplace plugins. Then scale production and digital distribution with Ultimaker Digital Factory.

Material choice like never before
Ultimaker offers the widest material choice on the market. Through our Material Alliance, choose the perfect filament for your application – from advanced polymers to carbon fiber composites.

Support dedicated to your success
Wherever you are in the world, Ultimaker support is close by. Our global network of service partners offer professional installation, training, and maintenance in your language and time zone.

Specifications subject to change. EN 06/2022 v1.00

SourceGraphics BASF We create chemistry FORWARD AM Ultimaker