



# 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.

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## How it works

-  1. Print with BASF Forward AM Ultrafuse® 17-4 PH stainless steel filament<sup>1</sup> 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

## 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.

### No hardware modifications needed

To 3D print metal on the Ultimaker S5, simply swap out the print cores, load the NFC-equipped metal filament, and start your print.

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

## What's included

- ✓ BASF Forward AM Ultrafuse® 17-4 PH (1 kg)
- ✓ Packaging for green parts and voucher for post-processing
- ✓ Ultimaker Print Core CC 0.4
- ✓ 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

### 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.

## 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.