



Optimized Bed Scraper XL



ThreeD-Michael

[VIEW IN BROWSER](#)

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Summary

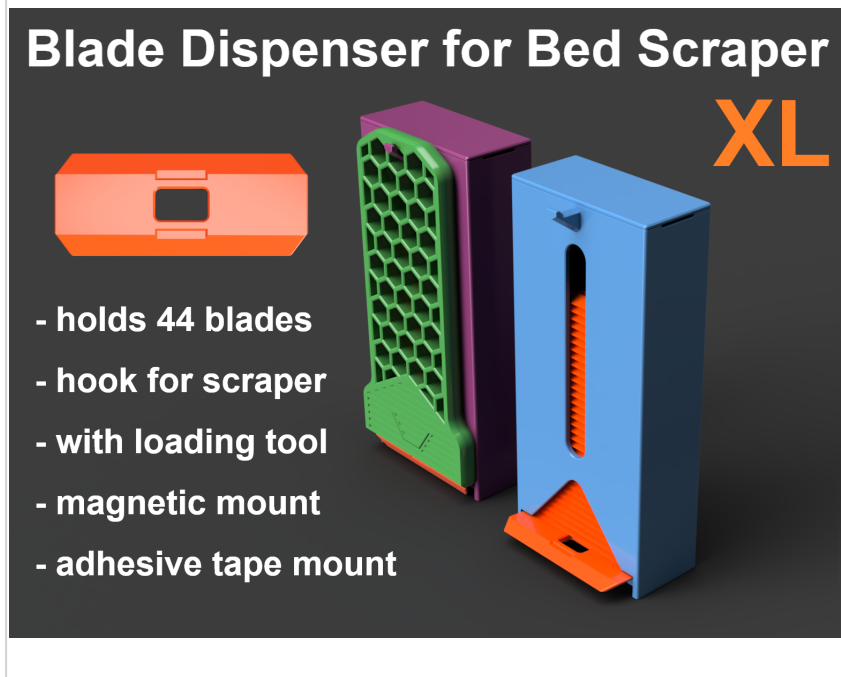
XL version of my popular "Optimized Bed Scraper" with quick-change blades.

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Tags: [tool](#) [blade](#) [blades](#) [bed](#) [scraper](#) [scratcher](#)
[bedscraper](#) [replaceable](#)

News 2024-04-10:

Please also check out my new **Blade Dispenser** for this Bed Scraper:



This is the **XL version** of my popular **Optimized Bed Scraper** with quick-change blades. The cutting edge of the blade is 45 mm, a full 30% longer!

Each blade weighs just 1.8 grams - and since each blade has two cutting edges, only **0.9 grams** of filament is required per cutting edge. It couldn't be more economical, and you can now replace the blades more often without feeling guilty.

Print Settings:

This design has been optimized for printing with a **layer height of 0.2mm** and a line width of 0.4mm, so please do not use different values. However, the **first layer** of the blade should have a line width of at least 0.5mm. In order to get the sharpest possible blade, you should choose a smooth printing surface if possible.

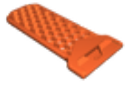
The locking mechanism has been optimized for PLA, so I recommend this filament for the handle. You can also print the blades with PLA - as long as you don't scratch on a bed that's too hot for PLA. In this case, I would recommend a more heat-resistant filament, for example PETG.

Assembly:

That is very easy. Simply slide the blade into the handle. **But be careful** - the blades are sharp, so don't push them in with your finger, but insert them loosely and then push them all the way by pressing the blade on a solid surface.

Model files

handle.stl



blade.stl



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