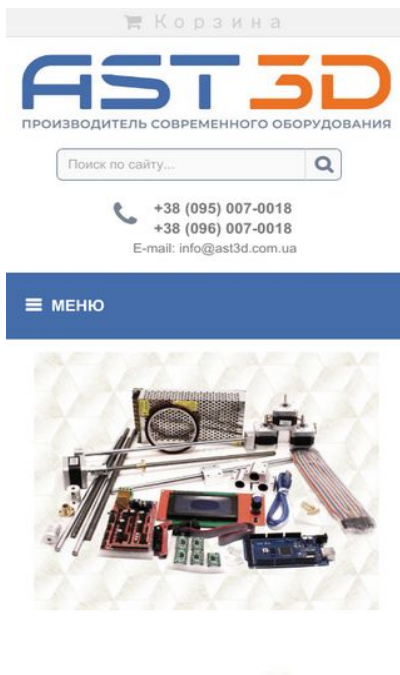


# PageSpeed Insights

## Mobile



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 Should Fix:

### Leverage browser caching

Setting an expiry date or a maximum age in the HTTP headers for static resources instructs the browser to load previously downloaded resources from local disk rather than over the network.

[Leverage browser caching](#) for the following cacheable resources:

- [https://ast3d.com.ua/wp-content/cache/autoptimize/css/autoptimize\\_6d18038bb3ef3d52da0cb8bc57af1a02.css](https://ast3d.com.ua/wp-content/cache/autoptimize/css/autoptimize_6d18038bb3ef3d52da0cb8bc57af1a02.css) (expiration not specified)
- [https://ast3d.com.ua/wp-content/cache/autoptimize/css/autoptimize\\_8daf87cd999706b8611a26f555d9d0d7.css](https://ast3d.com.ua/wp-content/cache/autoptimize/css/autoptimize_8daf87cd999706b8611a26f555d9d0d7.css) (expiration not specified)
- [https://ast3d.com.ua/wp-content/cache/autoptimize/js/autoptimize\\_f46c3f4f014f3ecc36b1cbf1981340d5.js](https://ast3d.com.ua/wp-content/cache/autoptimize/js/autoptimize_f46c3f4f014f3ecc36b1cbf1981340d5.js) (expiration not specified)

## Mobile

- <https://ast3d.com.ua/wp-content/themes/magium/img/controls.png> (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/09/2140-2020\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2140-2020_1_AST3D-300x300.jpg) (expiration not specified)
- <https://ast3d.com.ua/wp-content/uploads/2017/09/2140-2028-300x300.jpg> (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/09/2145-4050\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2145-4050_1_AST3D-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2115-3014\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2115-3014_1_AST3D-768x768.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2125-1001\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2125-1001_1_AST3D-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2125-2001\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2125-2001_1_AST3D-768x768.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-1001\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-1001_1_AST3D-768x768.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-2031\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-2031_1_AST3D-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3013\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3013_1_AST3D-768x768.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2170-1001\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2170-1001_1_AST3D-768x768.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2475-5002\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2475-5002_1_AST3D-768x768.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2477-1001\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2477-1001_1_AST3D-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2480-2080\\_10\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2480-2080_10_AST3D-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002_1_AST3D-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002_1_AST3D-768x768.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004_1_AST3D-768x768.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004\\_2\\_AST3D-1024x1024.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004_2_AST3D-1024x1024.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004\\_2\\_AST3D.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004_2_AST3D.jpg) (expiration not specified)

## Mobile

- [https://ast3d.com.ua/wp-content/uploads/2017/12/3D-printery\\_1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/3D-printery_1-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/Instrument-rashodniki\\_1-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Instrument-rashodniki_1-768x768.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/Komplektuyushhie-CHPU-3D\\_1-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Komplektuyushhie-CHPU-3D_1-768x768.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/Lazernye-stanki\\_1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Lazernye-stanki_1-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/Oborudovanie\\_CHPU-3D-printery-lazernye-stanki\\_1-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Oborudovanie_CHPU-3D-printery-lazernye-stanki_1-768x768.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2018/01/3d-printer-komplektuyushhie\\_01-600x480.jpg](https://ast3d.com.ua/wp-content/uploads/2018/01/3d-printer-komplektuyushhie_01-600x480.jpg) (expiration not specified)
- <https://ast3d.com.ua/wp-content/uploads/2018/01/ast3d-logo-3.jpg> (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2018/01/chpu-komplektuyushhie\\_01-600x480.jpg](https://ast3d.com.ua/wp-content/uploads/2018/01/chpu-komplektuyushhie_01-600x480.jpg) (expiration not specified)
- <https://www.google-analytics.com/analytics.js> (2 hours)

## Eliminate render-blocking JavaScript and CSS in above-the-fold content

Your page has 1 blocking CSS resources. This causes a delay in rendering your page.

Approximately 31% of the above-the-fold content on your page could be rendered without waiting for the following resources to load. Try to defer or asynchronously load blocking resources, or inline the critical portions of those resources directly in the HTML.

[Optimize CSS Delivery](#) of the following:

- [https://ast3d.com.ua/wp-content/cache/autooptimize/css/autooptimize\\_6d18038bb3ef3d52da0cb8bc57af1a02.css](https://ast3d.com.ua/wp-content/cache/autooptimize/css/autooptimize_6d18038bb3ef3d52da0cb8bc57af1a02.css)

## Optimize images

Properly formatting and compressing images can save many bytes of data.

[Optimize the following images](#) to reduce their size by 329.5KiB (23% reduction).

- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004\\_2\\_AST3D.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004_2_AST3D.jpg) could save 47.2KiB (24% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004\\_2\\_AST3D-1024x1024.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004_2_AST3D-1024x1024.jpg) could save 30.9KiB (27% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2170-1001\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2170-1001_1_AST3D-768x768.jpg) could save 30.4KiB (37% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2125-2001\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2125-2001_1_AST3D-768x768.jpg) could save 25.3KiB (25% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/Instrument-rashodniki\\_1-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Instrument-rashodniki_1-768x768.jpg) could save 25KiB (22% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2115-3014\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2115-3014_1_AST3D-768x768.jpg) could save 21.1KiB (25% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-1001\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-1001_1_AST3D-768x768.jpg) could save 16.7KiB (24% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2475-5002\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2475-5002_1_AST3D-768x768.jpg) could save 16.3KiB (27% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/Oborudovanie\\_CHPU-3D-printery-lazernye-stanki\\_1-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Oborudovanie_CHPU-3D-printery-lazernye-stanki_1-768x768.jpg) could save 16KiB (19% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004_1_AST3D-768x768.jpg) could save 15.1KiB (27% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/Komplektuyushhie-CHPU-3D\\_1-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Komplektuyushhie-CHPU-3D_1-768x768.jpg) could save 14KiB (14% reduction).
- Compressing <https://ast3d.com.ua/wp-content/uploads/2017/09/2140-2028-300x300.jpg> could save 12.9KiB (67% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2018/01/3d-printer-komplektuyushhie\\_01-600x480.jpg](https://ast3d.com.ua/wp-content/uploads/2018/01/3d-printer-komplektuyushhie_01-600x480.jpg) could save 12KiB (19% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002_1_AST3D-768x768.jpg) could save 10.6KiB (19% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2018/01/chpu-komplektuyushhie\\_01-600x480.jpg](https://ast3d.com.ua/wp-content/uploads/2018/01/chpu-komplektuyushhie_01-600x480.jpg) could save 8KiB (15% reduction).

## Mobile

- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3013\\_1\\_AST3D-768x768.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3013_1_AST3D-768x768.jpg) could save 4.8KiB (19% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/09/2145-4050\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2145-4050_1_AST3D-300x300.jpg) could save 3.8KiB (23% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2125-1001\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2125-1001_1_AST3D-300x300.jpg) could save 3.7KiB (21% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2477-1001\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2477-1001_1_AST3D-300x300.jpg) could save 3.2KiB (25% reduction).
- Compressing <https://ast3d.com.ua/wp-content/uploads/2018/01/ast3d-logo-3.jpg> could save 2.9KiB (16% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/Lazernye-stanki\\_1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Lazernye-stanki_1-300x300.jpg) could save 2.6KiB (18% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002_1_AST3D-300x300.jpg) could save 2.1KiB (17% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2480-2080\\_10\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2480-2080_10_AST3D-300x300.jpg) could save 1.8KiB (20% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-2031\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-2031_1_AST3D-300x300.jpg) could save 1.8KiB (14% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/09/2140-2020\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2140-2020_1_AST3D-300x300.jpg) could save 1.2KiB (12% reduction).

### Consider Fixing:

#### Enable compression

Compressing resources with gzip or deflate can reduce the number of bytes sent over the network.

[Enable compression](#) for the following resources to reduce their transfer size by 211B (45%)

reduction).

- Compressing [https://ast3d.com.ua/?wc-ajax=get\\_refreshed\\_fragments](https://ast3d.com.ua/?wc-ajax=get_refreshed_fragments) could save 211B (45% reduction).



### 6 Passed Rules

#### Avoid landing page redirects

Your page has no redirects. Learn more about [avoiding landing page redirects](#).

#### Reduce server response time

Your server responded quickly. Learn more about [server response time optimization](#).

#### Minify CSS

Your CSS is minified. Learn more about [minifying CSS](#).

#### Minify HTML

Your HTML is minified. Learn more about [minifying HTML](#).

#### Minify JavaScript

Your JavaScript content is minified. Learn more about [minifying JavaScript](#).

#### Prioritize visible content

You have the above-the-fold content properly prioritized. Learn more about [prioritizing visible content](#).

## 99 / 100 User Experience

### Consider Fixing:

#### Size tap targets appropriately

Some of the links/buttons on your webpage may be too small for a user to easily tap on a touchscreen. Consider [making these tap targets larger](#) to provide a better user experience.

The following tap targets are close to other nearby tap targets and may need additional spacing around them.

- The tap target `<a href="tel:+38-095-007-0018">+38 (095) 007-0018</a>` and 1 others are close to other tap targets final.
- The tap target `<a href="mailto:info@a%...3%6fm%2e%75%61">info@ast3d.com.ua</a>` is close to 1 other tap targets final.
- The tap target `<a href="tel:+38-095-007-0018">+38 (095) 007-0018</a>` and 2 others are close to other tap targets.

### 4 Passed Rules

#### Avoid plugins

Your page does not appear to use plugins, which would prevent content from being usable on many platforms. Learn more about the importance of [avoiding plugins](#).

#### Configure the viewport

Your page specifies a viewport matching the device's size, which allows it to render properly on all devices. Learn more about [configuring viewports](#).

# Mobile

## Size content to viewport

The contents of your page fit within the viewport. Learn more about [sizing content to the viewport](#).

## Use legible font sizes

The text on your page is legible. Learn more about [using legible font sizes](#).

# Desktop



68 / 100 Speed

Should Fix:

## Leverage browser caching

Setting an expiry date or a maximum age in the HTTP headers for static resources instructs the browser to load previously downloaded resources from local disk rather than over the network.

[Leverage browser caching](#) for the following cacheable resources:

- [https://ast3d.com.ua/wp-content/cache/autoptimize/css/autoptimize\\_6d18038bb3ef3d52da0cb8bc57af1a02.css](https://ast3d.com.ua/wp-content/cache/autoptimize/css/autoptimize_6d18038bb3ef3d52da0cb8bc57af1a02.css) (expiration not specified)
- [https://ast3d.com.ua/wp-content/cache/autoptimize/css/autoptimize\\_8daf87cd999706b8611a26f555d9d0d7.css](https://ast3d.com.ua/wp-content/cache/autoptimize/css/autoptimize_8daf87cd999706b8611a26f555d9d0d7.css)



## Desktop

(expiration not specified)

- [https://ast3d.com.ua/wp-content/cache/autoptimize/js/autoptimize\\_40148924fd94ab9ec9648aa3267ec602.js](https://ast3d.com.ua/wp-content/cache/autoptimize/js/autoptimize_40148924fd94ab9ec9648aa3267ec602.js)  
(expiration not specified)
- <https://ast3d.com.ua/wp-content/themes/magium/img/controls.png> (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/09/2140-8020\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2140-8020_1_AST3D-300x300.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/09/2145-4050\\_1\\_AST3D-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2145-4050_1_AST3D-100x100.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/09/2415-1002\\_1\\_AST3D-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2415-1002_1_AST3D-100x100.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/09/2455-2010\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2455-2010_1_AST3D-300x300.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/09/2475-3038\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2475-3038_1_AST3D-300x300.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/09/2480-2001\\_1\\_AST3D-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2480-2001_1_AST3D-100x100.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/09/4710-0020\\_1\\_AST3D-1-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/4710-0020_1_AST3D-1-100x100.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/09/4710-0020\\_1\\_AST3D-1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/4710-0020_1_AST3D-1-300x300.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2115-1001\\_1\\_AST3D-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2115-1001_1_AST3D-100x100.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2115-3014\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2115-3014_1_AST3D-300x300.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2125-2001\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2125-2001_1_AST3D-300x300.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-1001\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-1001_1_AST3D-300x300.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-1030\\_1\\_AST3D-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-1030_1_AST3D-100x100.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3001\\_1\\_AST3D-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3001_1_AST3D-100x100.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3013\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3013_1_AST3D-300x300.jpg)  
(expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3020\\_1\\_AST3D-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3020_1_AST3D-100x100.jpg)  
(expiration not specified)

## Desktop

- [https://ast3d.com.ua/wp-content/uploads/2017/10/2170-1001\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2170-1001_1_AST3D-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/10/2475-5002\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2475-5002_1_AST3D-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002_1_AST3D-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004_1_AST3D-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004\\_2\\_AST3D.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004_2_AST3D.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/3D-printery\\_1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/3D-printery_1-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/Instrument-rashodniki\\_1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Instrument-rashodniki_1-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/Komplektuyushhie-CHPU-3D\\_1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Komplektuyushhie-CHPU-3D_1-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/Lazernye-stanki\\_1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Lazernye-stanki_1-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2017/12/Oborudovanie\\_CHPU-3D-printery-lazernye-stanki\\_1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Oborudovanie_CHPU-3D-printery-lazernye-stanki_1-300x300.jpg) (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2018/01/3d-printer-komplektuyushhie\\_01-600x480.jpg](https://ast3d.com.ua/wp-content/uploads/2018/01/3d-printer-komplektuyushhie_01-600x480.jpg) (expiration not specified)
- <https://ast3d.com.ua/wp-content/uploads/2018/01/ast3d-logo-3.jpg> (expiration not specified)
- [https://ast3d.com.ua/wp-content/uploads/2018/01/chpu-komplektuyushhie\\_01-600x480.jpg](https://ast3d.com.ua/wp-content/uploads/2018/01/chpu-komplektuyushhie_01-600x480.jpg) (expiration not specified)
- <https://www.google-analytics.com/analytics.js> (2 hours)

## Optimize images

Properly formatting and compressing images can save many bytes of data.

[Optimize the following images](#) to reduce their size by 248.9KiB (49% reduction).

- Compressing and resizing [https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004\\_2\\_AST3D.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004_2_AST3D.jpg) could save 189.2KiB (96% reduction).

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- Compressing [https://ast3d.com.ua/wp-content/uploads/2018/01/3d-printer-komplektuyushhie\\_01-600x480.jpg](https://ast3d.com.ua/wp-content/uploads/2018/01/3d-printer-komplektuyushhie_01-600x480.jpg) could save 12KiB (19% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2018/01/chpu-komplektuyushhie\\_01-600x480.jpg](https://ast3d.com.ua/wp-content/uploads/2018/01/chpu-komplektuyushhie_01-600x480.jpg) could save 8KiB (15% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2170-1001\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2170-1001_1_AST3D-300x300.jpg) could save 5KiB (33% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2125-2001\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2125-2001_1_AST3D-300x300.jpg) could save 3.8KiB (22% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2475-5002\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2475-5002_1_AST3D-300x300.jpg) could save 3.4KiB (27% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/Oborudovanie\\_CHPU-3D-printery-lazernye-stanki\\_1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Oborudovanie_CHPU-3D-printery-lazernye-stanki_1-300x300.jpg) could save 2.9KiB (16% reduction).
- Compressing <https://ast3d.com.ua/wp-content/uploads/2018/01/ast3d-logo-3.jpg> could save 2.9KiB (16% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/Lazernye-stanki\\_1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/Lazernye-stanki_1-300x300.jpg) could save 2.6KiB (18% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1530-0004_1_AST3D-300x300.jpg) could save 2.6KiB (22% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-1001\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-1001_1_AST3D-300x300.jpg) could save 2.6KiB (19% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/09/2140-8020\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2140-8020_1_AST3D-300x300.jpg) could save 2.6KiB (19% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/09/4710-0020\\_1\\_AST3D-1-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/4710-0020_1_AST3D-1-300x300.jpg) could save 2.2KiB (24% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2115-3014\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2115-3014_1_AST3D-300x300.jpg) could save 2.1KiB (16% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/12/1410-1002_1_AST3D-300x300.jpg) could save 2.1KiB (17% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/09/2475-3038\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2475-3038_1_AST3D-300x300.jpg) could save 1.8KiB (20% reduction).

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- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3013\\_1\\_AST3D-300x300.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2155-3013_1_AST3D-300x300.jpg) could save 953B (15% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/09/2480-2001\\_1\\_AST3D-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2480-2001_1_AST3D-100x100.jpg) could save 799B (24% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/09/2145-4050\\_1\\_AST3D-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/2145-4050_1_AST3D-100x100.jpg) could save 659B (21% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/09/4710-0020\\_1\\_AST3D-1-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/09/4710-0020_1_AST3D-1-100x100.jpg) could save 446B (20% reduction).
- Compressing [https://ast3d.com.ua/wp-content/uploads/2017/10/2115-1001\\_1\\_AST3D-100x100.jpg](https://ast3d.com.ua/wp-content/uploads/2017/10/2115-1001_1_AST3D-100x100.jpg) could save 399B (18% reduction).



### Consider Fixing:

#### Enable compression

Compressing resources with gzip or deflate can reduce the number of bytes sent over the network.

[Enable compression](#) for the following resources to reduce their transfer size by 211B (45% reduction).

- Compressing [https://ast3d.com.ua/?wc-ajax=get\\_refreshed\\_fragments](https://ast3d.com.ua/?wc-ajax=get_refreshed_fragments) could save 211B (45% reduction).

#### Eliminate render-blocking JavaScript and CSS in above-the-fold content

Your page has 1 blocking CSS resources. This causes a delay in rendering your page.

Approximately 28% of the above-the-fold content on your page could be rendered without waiting for the following resources to load. Try to defer or asynchronously load blocking resources, or inline

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the critical portions of those resources directly in the HTML.

[Optimize CSS Delivery](#) of the following:

- [https://ast3d.com.ua/wp-content/cache/autoptimize/css/autoptimize\\_6d18038bb3ef3d52da0cb8bc57af1a02.css](https://ast3d.com.ua/wp-content/cache/autoptimize/css/autoptimize_6d18038bb3ef3d52da0cb8bc57af1a02.css)



## 6 Passed Rules

### Avoid landing page redirects

Your page has no redirects. Learn more about [avoiding landing page redirects](#).

### Reduce server response time

Your server responded quickly. Learn more about [server response time optimization](#).

### Minify CSS

Your CSS is minified. Learn more about [minifying CSS](#).

### Minify HTML

Your HTML is minified. Learn more about [minifying HTML](#).

### Minify JavaScript

Your JavaScript content is minified. Learn more about [minifying JavaScript](#).

### Prioritize visible content

You have the above-the-fold content properly prioritized. Learn more about [prioritizing visible](#)

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[content.](#)