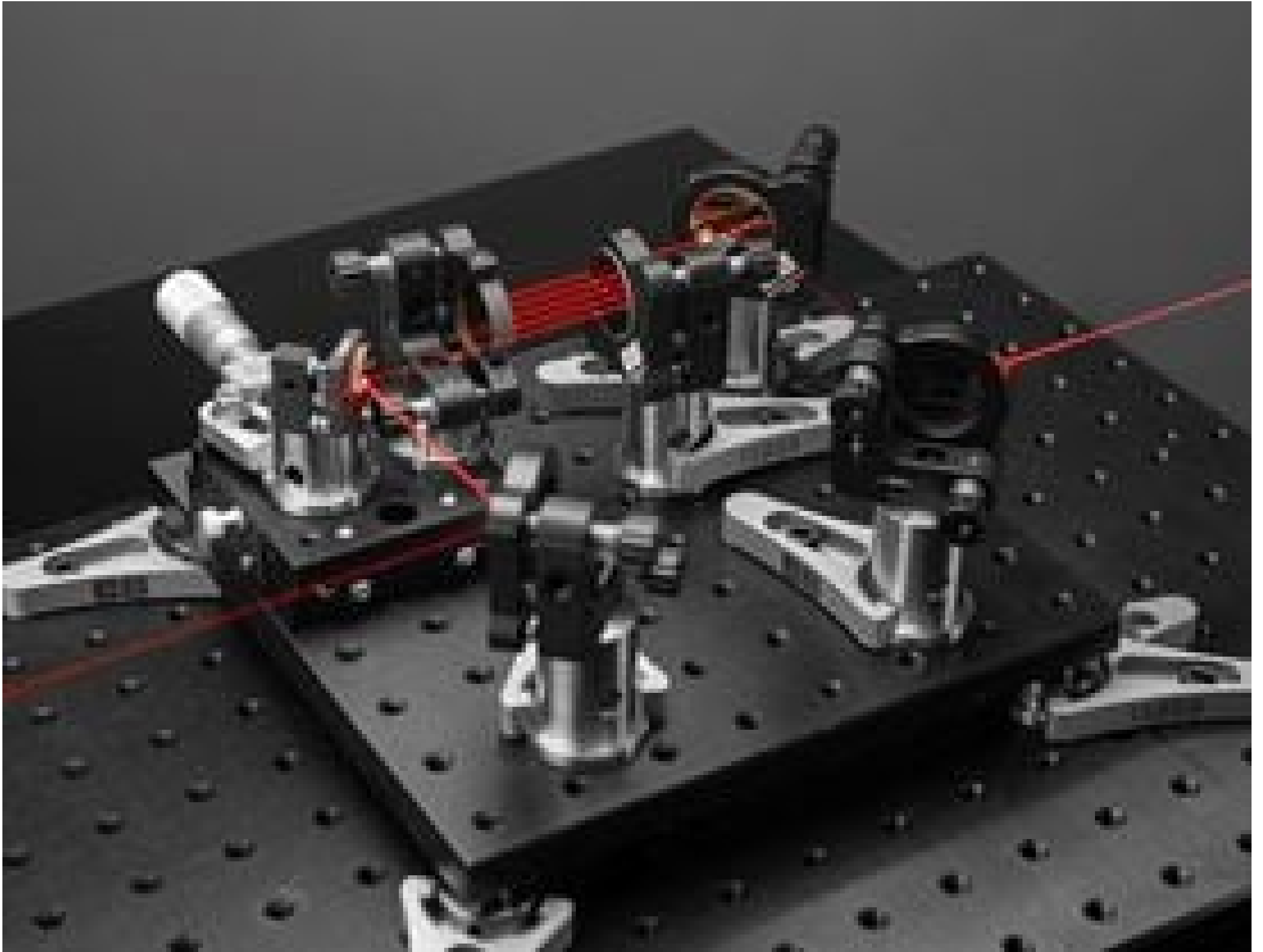


[See all 1 Products in Family](#)

## Variable Ultrafast Compressor and Stretcher Kit



Stock **#29-183** **1 In Stock**

1  **\$\$2,996<sup>00</sup>**

**ADD TO CART**

### Volume Pricing

|            |                               |
|------------|-------------------------------|
| Qty 1+     | <b>\$\$2,996.00</b> each      |
| Need More? | <a href="#">Request Quote</a> |

### Product Downloads

#### General

**Required Mirrors:**

[See Technical Information Tab](#)

#### Regulatory Compliance

**Certificate of Conformance:**

[View](#)

## Product Details

- Negative Group Delay Dispersion as Low as  $-10,000\text{fs}^2$  with Minimal Third Order Dispersion
- Positive Group Delay Dispersion as High as  $4000\text{fs}^2$  with Minimal Third Order Dispersion
- Compatible with UV, VIS, and IR Ultrafast Lasers

The Variable Ultrafast Pulse Compressor and Stretcher Kit provides an easy, low-cost framework for a customizable ultrafast dispersive system. This kit includes the necessary optomechanics and requires user selected dispersion compensating mirrors depending on the application. Designed to be easily aligned and bidirectional with precision mounting hardware, options are available to cover most common ultrafast laser lines including Ti:Sapphire, Yb-doped Fiber Lasers, UV, and Mid-IR Lasers. Once aligned, the Variable Ultrafast Compressor and Stretcher Kit is portable and can be shared among multiple laser setups serving as a drop-in solution for variable dispersion compensation. This kit is ideal for dispersion compensation and pulse recompression in applications such as multi-photon microscopy and ultrafast micro-machining.

## Technical Information

| Type       | Spectral Range  | Wavelength Range (nm) | GDD Specification ( $\text{fs}^2$ ) | GDD Increments ( $\text{fs}^2$ ) | Required Mirrors                    |
|------------|-----------------|-----------------------|-------------------------------------|----------------------------------|-------------------------------------|
| Compressor | Broadband       | 600 - 950             | -200 to -50                         | -50                              | 1x#17-064<br>3x#13-060<br>1x#13-059 |
| Compressor | Broadband       | 650 - 1350            | -240 to -60                         | -60                              | 1x#14-674<br>3x#39-208<br>1x#39-194 |
| Compressor | UV              | 255 - 277             | -1160 to -300                       | -290                             | 2x#17-066<br>3x#11-735<br>1x#11-734 |
| Compressor | Ti:Sapphire     | 780 - 830             | -10400 to -2600                     | -2600                            | 2x#12-331<br>3x#26-830<br>1x#26-829 |
| Compressor | Near-IR         | 1010 - 1050           | -8000 to -2000                      | -2000                            | 2x#17-070<br>3x#26-836<br>1x#26-835 |
| Compressor | Near-IR         | 1000 - 1060           | -4000 to -1000                      | -1000                            | 2x#12-333<br>3x#26-836<br>1x#26-835 |
| Compressor | Near-IR         | 950 - 1120            | -1600 to -400                       | -400                             | 2x#12-328<br>3x#17-265<br>1x#17-264 |
| Compressor | 2 $\mu\text{m}$ | 2000 - 2200           | -8000 to -2000                      | -2000                            | 2x#11-414<br>3x#39-208<br>1x#39-194 |
| Stretcher  | Ti:Sapphire     | 700 - 1000            | 200 to 800                          | 200                              | 2x#17-069<br>3x#13-060<br>1x#13-059 |
| Stretcher  | Near-IR         | 800 - 1100            | 200 to 800                          | 200                              | 2x#17-069<br>3x#17-265<br>1x#17-264 |
| Stretcher  | Mid-IR          | 200 - 3600            | 1000 to 4000                        | 1000                             | 2x#17-063<br>3x#39-208<br>1x#39-194 |