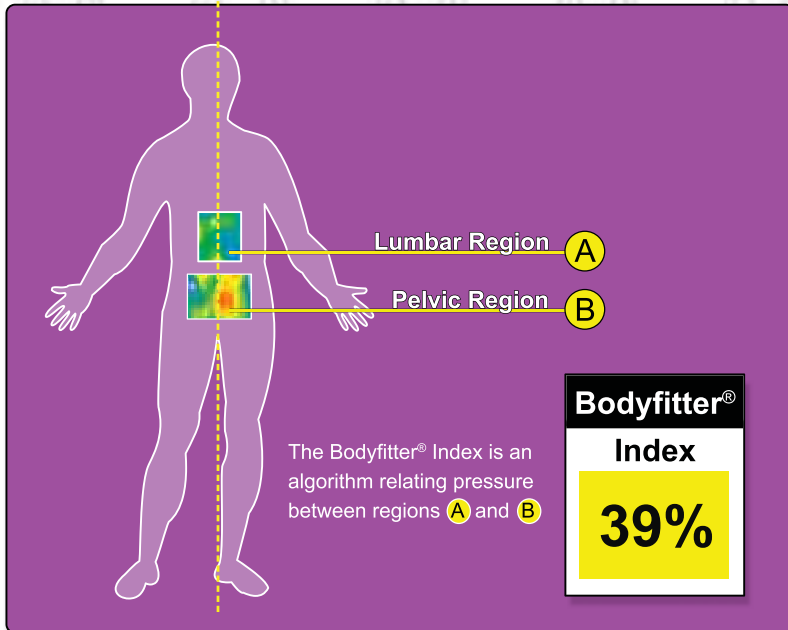


## Bodyfitter<sup>®</sup> Index



Our proprietary Bodyfitter<sup>®</sup> algorithm allows the retailer or manufacturer of mattresses the ability to produce a scientifically derived value that is highly correlated to the support and comfort that the customer will experience. Bodyfitter<sup>®</sup>, collects pressure distribution and magnitude data from two discrete sections of the body, the lumbar region and buttocks region and through a sophisticated series of computations produces a singular output or ergonomic index.

From years of research gathered from thousands of individuals on various sleep surfaces, we've compiled a database that is at the core of the Bodyfitter<sup>®</sup> algorithm. Sensor Products LLC offers our Bodyfitter<sup>®</sup> sensor system and analysis package with the intention of enabling the consumer to purchase a truly well fitted mattress. Customers will leave with the assurance of a scientifically validated mattress decision, minimizing post-purchase dissonance, and will associate your name with the progressive use of science and technology.

*"What Bodyfitter<sup>®</sup> does is attempt to align the subjective perception a customer develops when lying on a mattress with hard science. If these two factors are congruent, post purchase dissonance is highly reduced and thus returns are greatly minimized."* ~Jeffrey G. Stark, CEO

### KEY BENEFITS

- Most economical technique to capture mattress "fit" data
- Introduces scientific validity to the mattress selection process
- Lower return rates

### SENSOR SPECIFICATIONS

|                    |  |
|--------------------|--|
| Technology         | Piezoresistive - Capacitive                            |
| Pressure Range     | 0 - 1.5 PSI (0 - 78 mmHg)                              |
| Grid Size          | Up to 16 x 32  |
| Sensing Points     | Up to 512  |
| Total Sensing Area | Up to 24" x 24" (61 x 61 cm)                           |
| Scan Speed         | Up to 10 hertz   |
| Spatial Resolution | Custom from 0.5 in <sup>2</sup> (1.3 cm <sup>2</sup> ) |
| Thickness          | 30 mils (0.7 mm)                                       |
| Accuracy           | ± 10%  |
| Repeatability      | ± 2%   |
| Hysteresis         | ± 5%   |
| Non-linearity      | ± 1.5%   |