

HOW IT WORKS

The Shimless Aligner® uses taper wedges that can be adjusted with the use of a screw rod to create a precise and progressive vertical increase or decrease of height. When the Shimless Aligner® is placed under the feet of the rotating machinery in lieu of standard pre-cut shims, it allows for lifting and lowering of the machinery to correct vertical and angular misalignment. An additional screw rod that is placed strategically on the shimless aligner allows for movement of the equipment base in a horizontal plane for correction of horizontal misalignment. In addition, the Shimless Aligner® also allows for soft foot correction which is a result of an uneven base/foot of the machinery.

Shaft alignment is a critical aspect of all mechanical systems that transfer rotational force from one piece of equipment to another.

Accurate shaft alignment provides:

- Equipment that runs smoothly without vibration
- Equipment that runs efficiently
- Premature damage of bearings / shafts is eliminated

The Shimless Aligner® is a device that replaces the conventional method of aligning rotating equipment. It is a permanent solution which is safe and economically viable over the life of the machinery. The replacement of the shims with the patented Shimless Aligner® is a one-time task, after which the alignment process can be managed with the Shimless Aligner®.



COMPARATIVE ANALYSIS		
Horizontal Alignment Misalignment Correction		Advantage of Shimless Aligner®
Traditional shims	No	Alignment can be done without lifting machinery
Shimless Aligner	Yes	
Vertical Alignment Misalignment Correction		Advantage of Shimless Aligner®
Traditional shims	No	Alignment can be done without lifting machinery
Shimless Aligner	Yes	
Angular Alignment Misalignment Correction		Advantage of Shimless Aligner®
Traditional shims	No	Alignment can be done without lifting machinery
Shimless Aligner	Yes	
Increments		Advantage of Shimless Aligner®
Traditional shims	No	Ability to make adjustment of 0.0005 in. without lifting machinery
Shimless Aligner	Yes	
Alignment Time		Advantage of Shimless Aligner®
Traditional shims	Increased	Alignment can be done without lifting machinery
Shimless Aligner	Decreased	
Hot Alignment		Advantage of Shimless Aligner®
Traditional shims	No	Hot alignment can be performed without shutting down the machines
Shimless Aligner	Yes	

CONTACT US FOR A LIVE DEMO



ADVANTAGES OF SHIMLESS ALIGNER®

Once installed, alignment is made without lifting the equipment with the help of hydraulic jacks or lifting cranes.

With the help of the Shimless Aligner® you will be able to:

Reduce equipment downtime and production loss:
There is no need to lift the heavy machinery repeatedly during the course of the alignment process. Hence the total downtime is reduced.

Save Man-Hours and increase safety:
The alignment process could be completed by one person. You won't need the additional labor to lift the heavy machinery with the help of cranes, chains, etc.



ABOUT US

Shimless Aligner® is a product of Softway Industrial Solutions LLC., with locations across North America. We aim to meet your every need from supporting our product to training you on how to implement this product in your environment. With our advanced manufacturing and quality assurance processes we are able to ensure that every Shimless Aligner® is built to the highest quality standards.

PRODUCT AND MARKET

Available in standard and custom sizes to meet a range of application and size requirements. They are made out of EN8 steel with ground and chemical blackening finish.

Our product could be used in:

- Refineries
- Paper Mills
- Steel Mills
- Gas Plants
- Chemical Plants

For the alignment of:

- Motors
- Blowers
- Pumps
- Turbines
- Fans
- Compressors



WITH PRECUT SHIMS



WITH SHIMLESS ALIGNER®



PRECUT SHIMS ARE THE STORY OF THE PAST

- Reduce maintenance and operational costs
- Reduce man-hours and downtime
- Soft foot correction
- Vertical, Angular, Horizontal Misalignment
- Correction

SOFTWAY INDUSTRIAL SOLUTIONS, LLC.

US OFFICE

7322 Southwest Freeway
Suite 1025
Houston, TX 77074

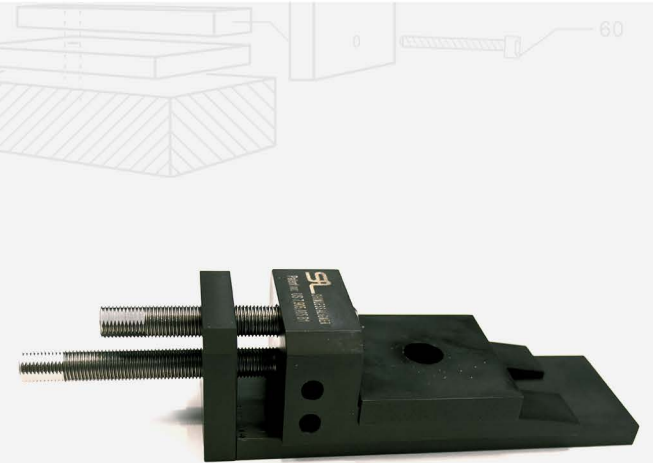
Phone (281) 914-4381
Fax (832) 333-2900
Email info@shimlessaligner.com

CANADA OFFICE

7611-154 Street N.W.
Edmonton, Alberta
T5R 1R6

Phone (780) 668-8948
Email rod@shimlessaligner.com

shimlessaligner.com



- SAVE DOWNTIME
- SAVE MAN-HOURS
- INCREASE EFFICIENCY & SAFETY

PATENTED TECHNOLOGY

U.S. Patent 7,905,465

Canadian Patent 3,022,261