



## OnTarget 2

**P**recision alignment is critical to your Machinery Improvement® Program, and now Update has made it much simpler with On Target Alignment Software.

On Target is a comprehensive program which guides you through the alignment process, makes all the calculations, and graphs the results on the computer.

To obtain consistently high levels of precision, it is essential to follow procedures. Update recommends the use of the Prealignment Checklist, which comes up automatically for each new alignment record. The questions can be answered with the standard responses provided, or custom answers can be created to provide information better tailored to your machines. Pre-Alignment information can be viewed, updated, or printed at any time during the alignment process.

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Q: Check the coupling for proper fit on the shaft.
A: The coupling fit was correct.

Q: Check the coupling for eccentricity.
A: The coupling was found to be concentric within tolerance.

Q: Check the coupling for worn teeth or grid members.
A: Teeth or grid members were in satisfactory condition.

Q: Check the coupling for type and amount of lubricant.
A: (Does not apply to this type coupling)

Q: Check the coupling for correct set screw length and tightness.
A: Set screws were the correct length and were properly torqued.

Q: Check the coupling for proper bolts and washers. (Note length, machining, weight, etc.)
A: The coupling had the proper bolts and washers.

Q: Check the coupling for proper key length.
A: The key length appeared to be of the proper length (A+B)/2.

Q: Ensure the match marks are in the correct position.
A: The coupling positioned according to the match marks.

Q: Properly set the axial gap between coupling faces. For motors with sleeve bearings, ensure the motor shaft is set at its magnetic center before performing this step.
A: Unanswered

Q: Prior to performing precision soft foot checks or precision alignment, ensure adequate rough alignment has been achieved.
A: The machine was rough aligned prior to soft foot checks.
  
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Records of every alignment are stored in a database which can later be searched by items such as the name of the person who performed the alignment, date of alignment, and location of machines. Alignment records can be created, viewed, or printed to a report by anyone.

Date	Name	Location	Reference	Target	Sight
1/22/96	Buscarello, Greg	Udgate	00-001	Pump	Motor
1/22/96	Schlagenhaer, Ch	Site 4	45659	fan	motor
1/25/96	GGH		test 20		
1/26/96	Smith, Bill	unit 2	7565-09	gear box	motor
1/26/96	Hanks, Zippy	sec 43	7556-765	blower	motor
1/26/96	Seare, Alex		346-r4	pump	turbine
1/30/96	Rodriguez, Jose	No. 5	965567		
1/30/96	Freddy K.	plant 12	96-579	pump	motor
2/1/96	Hills, Andy	3rd floor	15 sjt	Fan	Gear box
2/6/96	Buscarello, Greg	Univ. Hills	001-00	Hot water pu	Motor
2/7/96	GGH	video	96 1st		
2/12/96	DFC	Roof	112016	pump	motor
2/12/96	Thomas, Paul	Archer	2/1000	pump stage 1	motor driver
2/15/96	Randy	denver	47256	Pump	motor
2/16/96	KVP	level 1	6	Pump	Motor
2/16/96	Kurt, Boatwright	Blg. 14	54-3	Blower	Motor
2/22/96	Quane	cool	6789		
2/22/96	DBB	Pump house	9-ec1	pump	turbine
2/22/96	Sierra, John	Meat end	9-ec2	pump generator	motor
2/23/96	Nike H and Dan D	KodakPark	0000001	Motor	Pump
2/23/96	Joe rennie	hp	15		
2/23/96	Derrick Peru	SP	000017		

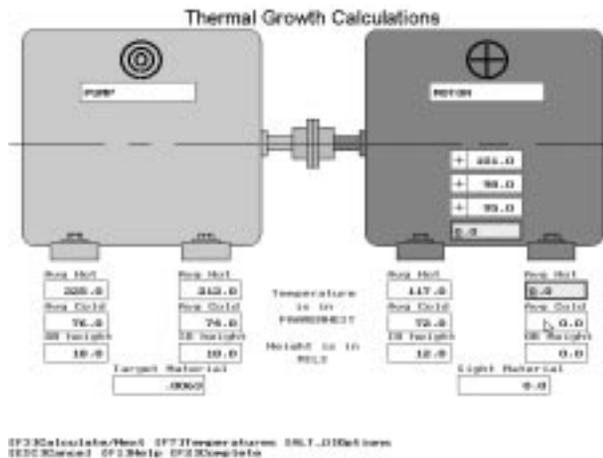
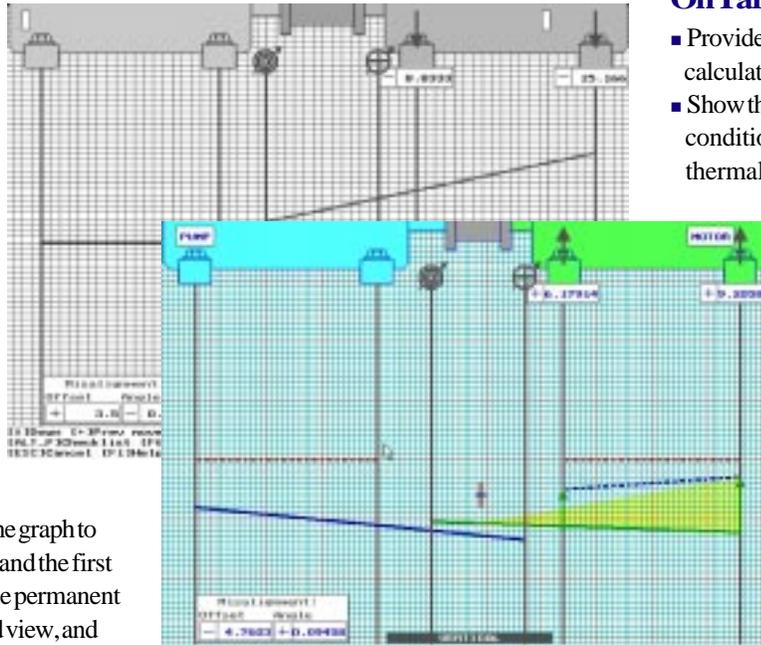
On Target accommodates reverse indicator, cross dial, face and rim, and laser alignment methods

as well as English and metric units, and Fahrenheit and Celsius temperatures. After the data is entered, On Target calculates thermal growth at each foot from temperatures, height, and machine material. Indicator readings can be entered in a variety of ways and require only 180 degree rotation. If sag is recorded, it is compensated for automatically.

### Minimum Hardware

A 386 Microprocessor with 1MB RAM, and DOS 6.22 or Windows 3.1

A graph of the alignment condition provides a scaled visual representation of the hot and cold positions of both machines, the current misaligned position of the sight machine, the correction required, and the misalignment offset and angle. Up to five previous positions from the current alignment can be displayed on the graph to show the progress being made, and the first and last are saved in the permanent database record. For a simplified view, and to find alternate moves if thermal growth occurs without further movement, a "hot plot" graph of the machine positions can be generated. Even alignment under bolt-bound or base-bound conditions can be handled. The optimum move, which allows the minimum move of the target (intended stationary) machine is calculated at the press of a key. Plotting options include vertical scale zoom and the overlay display of alignment tolerances.



## On Target will

- Provide fast, easy, reliable calculations every time.
- Show the actual alignment condition, progressive moves, thermal offsets, and tolerance window.
- Calculate alternate moves for bolt-bound or base-bound machines.
- Provide quick access to previous alignment records.
- Produce comprehensive alignment reports.

## Features

- Works with reverse indicator, cross dial, face and rim, and laser systems
- Works with English or metric units of measure, Fahrenheit or Celsius temperatures
- Records and links pre-alignment information to each record
- Automatically calculates and records thermal growth at each foot of both machines
- Displays by graph the machine positions, required corrections, and alignment moves
- Saves "as-found" and final positions in each alignment record
- Automatically compensates for bar sag after recording it.
- Provides unlimited storage and quick retrieval of alignment records
- Everyone who performs machinery alignment can benefit from this powerful, simple to use program.

 **update international, inc.**

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