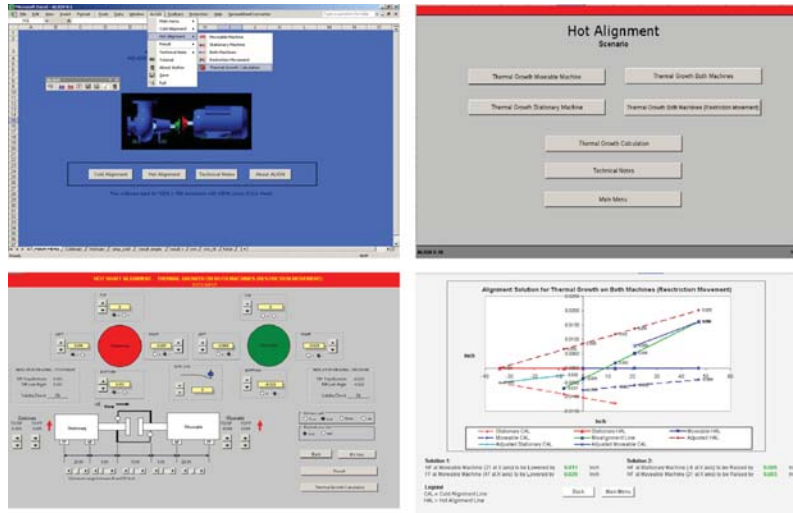


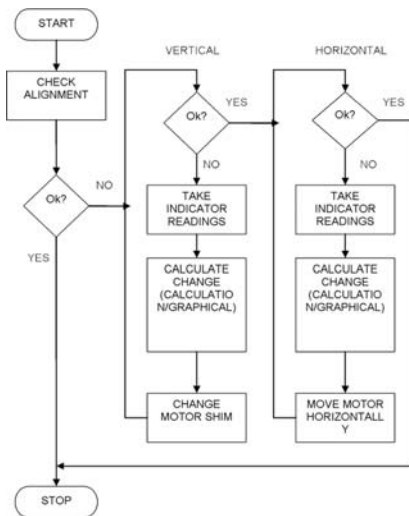


IMPORTANT OF ALIGNMENT

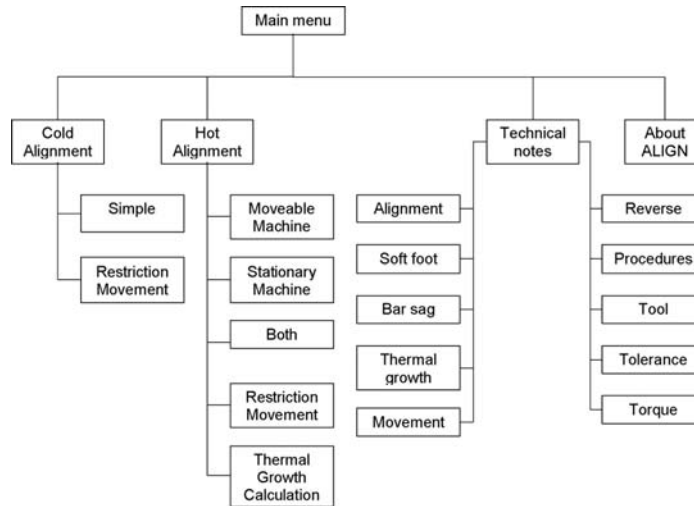
- ~ Misalignment is a major source of vibration on machines. It accounts for 50% of machine failure (Snider, 2005).
- ~ Keeping machinery aligned can save a factory 20% to 30% in costs due to machine down time, replacement parts, inventory, and energy consumption (Ganeriwala, 2003).
- ~ Shaft alignment is difficult to understand, calculation for alignment is complex and error-prone, the job only can be performed by skillfully people and time consuming



SHAFT ALIGNMENT PROCEDURE



SYSTEM MODULES



Researchers Info

M. S. Kasim
 H. F. Fauadi
 M.S. Suhaizan
 A.A. Azlianor

Tel : +6(06)-233 2555
 Fax : +6(06)-233 2414
 E-mail : shahir@utem.edu.my

CONCLUSION

- ~ This system assists maintenance personnel who daily facing misalignment problem. The conventional graphical approach in problem solving is error-prone in calculation
- ~ The alignment calculation using excel able to improve downtime in calculation.
- ~ The computerize system have advantage on removing some of confusion associated with shaft alignment especially bar sag, orientation and direction of adjustment.