

# Oregon OSHA Worksite Redesign Grant Final Quarterly and Project Report

Company: **Shangri-La Corporation**  
Contract Number: **#99/01-12**  
Project Name: **Tilting Stacker**

Date: 1/27/02

## *Project accomplishments and effectiveness:*

We are happy to report that this project is finally complete and is very successful. The solution consisted of modified lift unit with single tilt deck platform, fitted with an adjustable fixture for stacking final products into. Secondary equipment required for the system to operate includes 2 small conveyers and a work platform to elevate the employees to an improved ergonomic elevation. The system designed has eliminated all discomfort associated with the task as reported in the post ergonomic assessment. Productivity has been maintained or increased.

## *Project evaluation data:*

The post ergonomic report has been attached to the back of this report, which shows the evaluation data.

## *A synopsis of the project evaluation:*

We have also included the one page “executive overview” of the project for your review. It is a synopsis of the project and included a brief evaluation.

## *A plan to continue evaluating the project:*

The plan for continued evaluation will be in the form of using the device. Jimmy Shrull from Cherry City Wood Shop will continue to monitor the use and effectiveness of the device, and will be available for information on an ongoing basis.

## *How have other employers been informed of the results of the project?*

A detailed story outlining the project and its benefits was written. It has been submitted for publication to the Small Business Administration (SBA) periodic newsletter, which goes out to thousands of small businesses in Oregon. It will also be posted on the pending Or-OSHA website, which will disseminate information on this and other finished projects.

*List of deliverables supplied for posting to the Oregon OSHA website:*

The list agreed to in project close meetings has been supplied below. This has been supplied in electronic format, and includes:

1. VRML Solid Model.  
Readable with Cortona VRML software
2. Solid Model CAD File:
  - A. Original CAD File Format from creation.
  - B. DXF Format (wire frame).
  - C. Any other available CAD outputs you wish to deliver.
3. One page executive overview with digital photo of device.  
Microsoft Word
4. Vendor list with cross ref. code.  
Excel
5. Bill of material with vendor cross ref. code and estimated costs.  
Excel
6. Published article.  
Microsoft Word
7. Ergonomic Original and Final reports.  
Microsoft Word

Additionally, a VHS Video of the device has been supplied as outlined in the contract.

*Cost of project:*

The Or-OSHA dollars spent on this project total **\$36,877.** Through adjustments in the spending categories as approved, it was completed within the cost scope budgeted.

The attached Exhibit C reflects a billing totaling **\$9,768.34** for this final quarter.

OMEP has e-mailed a final category expenditure adjustment request on this project. Our records indicate that DCBS is due back a rebate check totaling **\$447.79** from this project fund. Please contact Pat Kraft from OMEP to confirm this amount.

*Customer match overview:*

Shangri-La Corporation has documented **\$5,840** in matching services on this project. This has been included on quarterly reports and a final accounting for the final report is included in this report. This fulfills the minimal 10% required match on the project.

In closing, I would like to thank Oregon OSHA and the Department of Consumer and Business Services for their support and encouragement in this project. Mark Hurliman, Mike Lulay, and all the staff at Or-OSHA have been very helpful and supportive throughout this project. It is hoped that over time, other businesses will benefit from this project's results.

Patrick Kraft  
OMEPA Manufacturing Consultant  
And Project Manager for Shangri-La Corporation.