

ENGINEERING CENTER SILICON VALLEY

TOGETHER WE  
**DISCOVER**  
THE PACKAGING  
OF TOMORROW

NEFAB



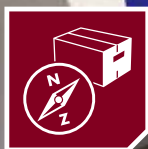
ENGINEERING



PROTOTYPING



TESTING



INSPIRATION



GLOCALIZE



SERVICE

YOUR  
PACKAGING  
SOLUTION.

**NEFAB**



# NEFAB ENGINEERING CENTER SILICON VALLEY



Anders Mörk  
EVP, Global BU IT/Telecom

Nefab operates in +30 countries by offering complete packaging solutions to international companies. We focus on transport packaging and offer engineered solutions which reduce cost and positively impact the ecological footprint. The Nefab Engineering Center in Silicon Valley supports this global activity. In one location we group engineering, sales, prototyping, production and material sourcing. The center accumulates our know-how plus insights and acts as a central place in Nefab for innovation and development.

The vision of the Nefab Engineering Center in Silicon Valley is to excel in the ability to offer smart, functional and multi-material solutions. Our approach to packaging design is to be material neutral. The requirements of the customer and their product will direct the appropriate packaging solution.

The Nefab Engineering Center in Silicon Valley has the following mission:

- A center for **multi-material** design with the need of the customer as key driver for the solution.
- A **creative platform** for development and innovation.
- A central location within Nefab for **sharing experience and training** from all over the world.
- An environment that leverages on the **multi-cultural influences** of our Nefab colleagues who operates globally and serves local as well as international customers.

## SEE IT, HEAR IT, TOUCH IT, SENSE IT ...

The Nefab Engineering Center in Silicon Valley offers packaging engineering, testing, prototyping, production, training and brainstorming in one building. We want it to be a natural meeting place for creative discussions and innovative solutions.

Visit us and experience our capability to create the best packaging solution around your product. Our team is motivated, highly skilled and customer driven!



respect  
tomorrow



# TOGETHER WE **DESIGN** YOUR PACKAGING



“TELL US YOUR  
NEEDS, SHOW  
US YOUR  
PRODUCT AND  
WE WILL DESIGN  
A COMPLETE  
PACKAGING  
SOLUTION.”



Operating in a global environment offering a complete packaging solution requires a systematic design approach. This is essential in a global environment that includes regional and material challenges. The Nefab Engineering Center supports requests from all over the world and deals with a wide range of materials.

All engineering is 3D based and we communicate our concepts and solutions with CAD files and through web-based applications. We can also provide a measurement of your environmental footprint in packaging and logistics. Whether you are looking to optimize truck load, searching for a returnable, or simply looking to reduce cost for your one way-packaging, Nefab Engineering Center in Silicon Valley is there to help you.

Design, prototyping and testing in our lab goes hand-in-hand with our engineering concept and our complete customer solutions.

The Nefab Engineering team is part of a Nefab Global Network of over 130 engineers. This platform connects people, solutions and designs and allows for:

- Customer industry specific expertise
- In-depth material expertise
- Global EDM-solution for drawings and revision handling



## MULTI-MATERIAL DESIGN

The nature of our business and the bundling of experts in different disciplines come together in one Engineering Center and it encourages design with an open mind. We develop what you need and choose existing or new materials that fit your application best. In a close dialogue with you we consider economic and ecologic factors to optimize the design.



# TOGETHER WE PROTOTYPE YOUR PACKAGING



“WE DEVELOP  
YOUR  
PROTOTYPES  
AND YOUR  
ORDERS WITH  
A FLEXIBLE  
PLANNING.”



Our 3D engineered solutions allow us to easily produce samples on our sample table or next door workshop. We offer multi-material prototyping such as wood, plywood, corrugated, foam or a combination.

Through our extensive internal Nefab network we can also prototype materials such as plastics and metal.

The Engineering Center environment stimulates the interaction between engineers and customers resulting in a smarter solution that meets customer requirements. Our Engineering Center is known for its availability and responsiveness. We strive to accomplish long-term, sustainable partnerships with customers by offering everything from design prototyping and interpretation of test results.

Nefab's prototyping, paired with their impressive testing capabilities, allows rapidly changing NPI (New Product Introduction) products to have designs tested. Nefab will do this while the products are still being developed. This feature saves our company significant time and money by allowing the end packaging to be ready as soon as the product is mature.

**Larry MacDonald**  
Senior Manufacturing Engineer, F5



## SMALL SERIES PRODUCTION

Our machinery and production setup allows us to produce small series in foam, corrugated, plastics and wood. We have a wide range of materials on stock, production and prototyping go hand-in-hand in the same location.



“LISTENING TO  
OUR CUSTOMER’S  
NEEDS IS KEY IN  
THE PROCESS OF  
PROTOTYPING.”

# TOGETHER WE **TEST** YOUR PACKAGING



Testing packaging is an art form. Every product and industry has specific needs and requirements for their product protection and testing requirements. Nefab engineering possesses the knowledge and ability to meet these needs and exceeds customer’s expectations. The understanding of the test standards is critical to serve our diverse customers.

Nefab Engineering Center offers a unique combination of packaging and transportation test knowledge, providing a professional ability to interpret test results and suggest improvements.

Recent investments in test equipment makes our Nefab Engineering Center state-of-the-art and we now offer a fully equipped test lab. Some key equipment are:

- Vibration table
- Compression tester
- Incline impact tester
- Large and small drop tester
- Climate chamber

The Nefab Engineering Center Silicon Valley interacts and cooperates with our four other Nefab test labs in Sweden, Netherlands, China and India.

Close interaction with the customer during test procedures offers a unique possibility to actively modify and accommodate design changes and improvements during the process.



## MATERIAL TESTING

Multi-material packaging solutions require in-depth knowledge of every individual material. It is, therefore, important to test the strength of each intended material when developing a complete solution, including paper, wood, foam and metal. In a global environment where material availability and material equivalence, this can be a challenge.





# TOGETHER WE DISCOVER YOUR PACKAGING



“OUR CREATIVE  
MINDSET  
RESULTS IN NEW  
IDEAS AND THE  
USE OF NEW  
MATERIALS.”

Our long experience from engineered solutions from various industries gives us a good base for customized designs. Whether you need a solution in wood, metal, corrugated, plastics or foam, we are competent with it.

On top of this experience we are material neutral. That means that we design with the most appropriate material for your application. Our design optimizes protection for your product for you and it considers ecological values.

Nefab's tools are helping us in our discovery. Our GreenCalc software gives us the carbon footprint of our invented solutions. It guides us in our research for future needs and long-term sustainability.

Nefab's ability to competently design on the spot and test soon after is invaluable. We are able to react to the many form factor changes almost instantly and implement the improved packaging solutions with little to no impact on program timelines.

**Jacob Goodman**  
Faraday Future, Senior Packaging Engineer



## LIFE-CYCLE ANALYSIS (LCA)

Are you aware of your CO<sub>2</sub> footprint? Nefab GreenCalc is a BASV-certified tool that compares different packaging solution's CO<sub>2</sub> footprints to each other, from cradle to grave. The tool calculates all stages from producing the material, through distribution, to the end of life disposal.



# TOGETHER WE **GLOCALIZE** YOUR PACKAGING



“NEFAB IS UNIQUE  
DUE TO OUR  
UNMATCHED  
GLOBAL  
MANUFACTURING  
FOOTPRINT.”



Nefab has operations in +30 countries with our own ISO 9001 certified factories, and in-house quality engineers. This enables us to help localize your newly designed and tested multi-material packaging solutions in most regions in the world. We put pride in being able to offer you project managers with a wide set of different language skills, multi-lingual packing instructions and quality instructions. Moreover, we provide localization support to you or your contract manufacturer, original design manufacturer or sub-suppliers by our local teams in the local language and in the right time zone.

Our Global EDM system CAXA Vault is an outstanding online database tool securing global document control and revision history making sure all local teams have access to the latest revisions by pulling files off the global database instead of sending by email.

Nefab has added value to our supply chain strategy by testing materials used in other parts of the world. By using Nefab, we are assured our packaging specs are being adhered to and material or equivalent materials are all tested and approved.

**Brad Hannula**  
Juniper, Senior Packaging Engineer



## SECURING MATERIAL EQUIVALENCE

Securing material equivalence in global transfer projects is crucial to ensure consistent packaging performance, especially in low cost countries. Nefab is well equipped to secure quality and supply performance via our unmatched global operations footprint, supported by our five packaging material test labs located on three different continents.



# TOGETHER WE **SERVICE** YOUR PACKAGING



“WE ASSEMBLE,  
REPAIR,  
REFURBISH  
OR KIT YOUR  
PACKAGING.”

The variety of activities and the specific layout of the Engineering Center give us the possibility to service your packaging.

We kit and prepare sophisticated packaging solutions that are shipped in a “ready to use” condition to our customers.

We also provide an on-site packing team to come and assist you in your special needs like packing heavy, large or valuable equipment.

We are capable to support our customers in the management of their packaging and we can independently service your packaging pool. This includes reverse logistics and sorting and repairing your packaging for re-use. We can also provide an RFID tracking of your pool packaging via our web based application.

A popular Nefab service is the on-site Flow Review. This is a systematic analysis approach of how your packaging affects your total cost. Our consultancy team takes a “snapshot” of your daily operations and suggests cost take-out initiatives which could reduce freight and other total logistical costs.



## KITTING AND ASSEMBLING

Nefab has extensive warehouse capabilities connected to the Engineering Center. That gives opportunities for storing products for JIT supply or assembling to order.



# ENGINEERING CENTER SILICON VALLEY



## Nefab Packaging, Inc. San Jose

8477 Central Avenue, Newark, CA 94560, United States  
sales.nca@nefab.com | www.nefab.com

**NEFAB** YOUR  
PACKAGING  
SOLUTION.