

---

# Freightos Integration Guide

Adding instant global freight rates to your web site or software

[History](#)

[Legal Note](#)

[Introduction](#)

[Why Freightos](#)

[Integration Options](#)

[Sign-up and API Private Key](#)

[Freightos Integration Services](#)

[Embedded Widgets](#)

[Widget 1 - Freight Rate Calculator](#)

[Estimates vs. Binding Quotes](#)

[Additional Customization](#)

[Widget 2 - Freight Rate Estimator to FBA Warehouses](#)

[Widget 3 - Freight Class Density Calculator](#)

[Widget 4 - Airport / Seaport Map](#)

[Freightos API](#)

[Co-branded Website](#)

[Get in Touch!](#)

## History

Change	Author	Date
v1.0	Anton Bar	July 2017

## Legal Note

All usage of APIs or Tools is pursuant to the terms of the Freightos [Master Services Agreement](#).

## Introduction

This document describes how to integrate freight rate quoting functionality into a third-party system, whether it is a website, desktop software or a mobile application.

You should read this guide if you are providing:

- ERP, TMS, e-commerce, procurement or other supply chain software
- A website with B2B e-commerce or large item B2C e-commerce (furniture, appliances etc.) especially if you ship cross-borders.

## Why Freightos

Freightos is the Booking.com or Expedia.com for freight. [Website](#). [Press](#).

Furthermore, Freightos is the world's only marketplace providing instant quotes for international, door-to-door shipping and air cargo, with a built-in comparison by price, transit time, and customer review rank.

Freightos is uniquely positioned to provide you with global freight rates:

1. More than 1,000 forwarders use Freightos including 23 of the top 25 global forwarders. Dozens of them sell on the Freightos Marketplace.
2. Freightos has the world's biggest database of freight prices with 500,000,000 price points across modes.
3. More than 30,000 registered importers and exporters.

Now this wealth of data, and this global community of leading logistics service providers are available to enhance your own service via a simple technical integration described below.

## Integration Options

There are three options for you to integrate the Freightos Marketplace technology:

1. **Embedded widgets** - a number of useful freight tools that can be embedded in a website (e.g. in a catalog or shopping cart) to provide instant freight prices and transit times.
2. **API's** - a set of standard web services that can be called from any environment to provide freight prices and transit times.
3. **Co-branded Freightos Marketplace site** - if you would like to offer your customers the full Freightos Marketplace experience under your own brand we are open to discussions about a full co-branded marketplace for international freight.

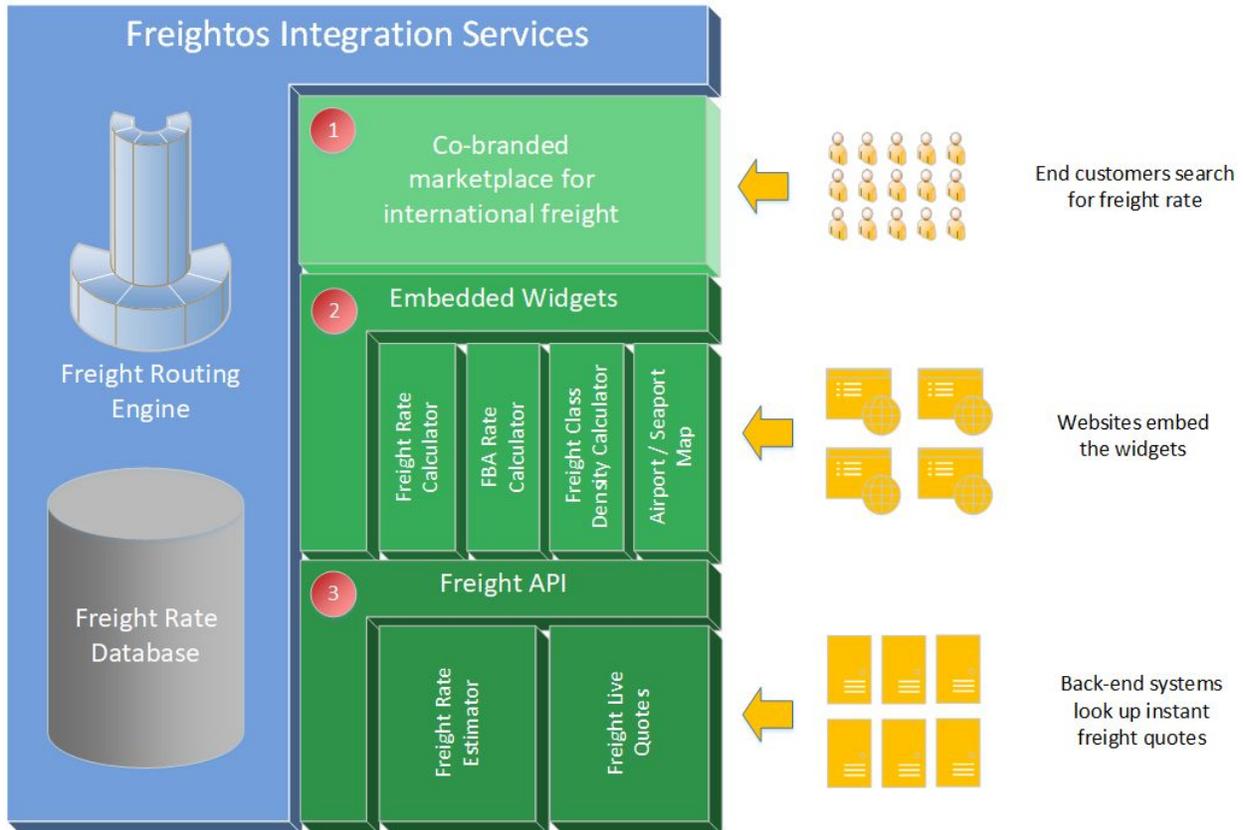
## Sign-up and API Private Key

For widget and API integration with Freightos, you will need to sign up for free on our market place at: <https://ship.freightos.com>. Please use your corporate email account.

If you want to use the embedded widgets or the API's, please email [apis@freightos.com](mailto:apis@freightos.com) from the address you used to sign up, and ask for your API key. For a co-branded Freightos Marketplace please email [apis@freightos.com](mailto:apis@freightos.com) and ask for a meeting.

## Freightos Integration Services

The following diagram describes the three main elements of the Freightos Integration Services.



The rest of this document describes the integration options in details.

## Embedded Widgets

As the name suggests these are widgets that can be embedded in your website with literally two lines of code. Typically they would be used in a product catalog (for B2B or large items). Here's how it works.

## Widget 1 - Freight Rate Calculator

Tap into half a billion of Freightos price points to provide international air, ocean, rail and trucking freight rate estimates.

In order to embed this widget you only need two things:

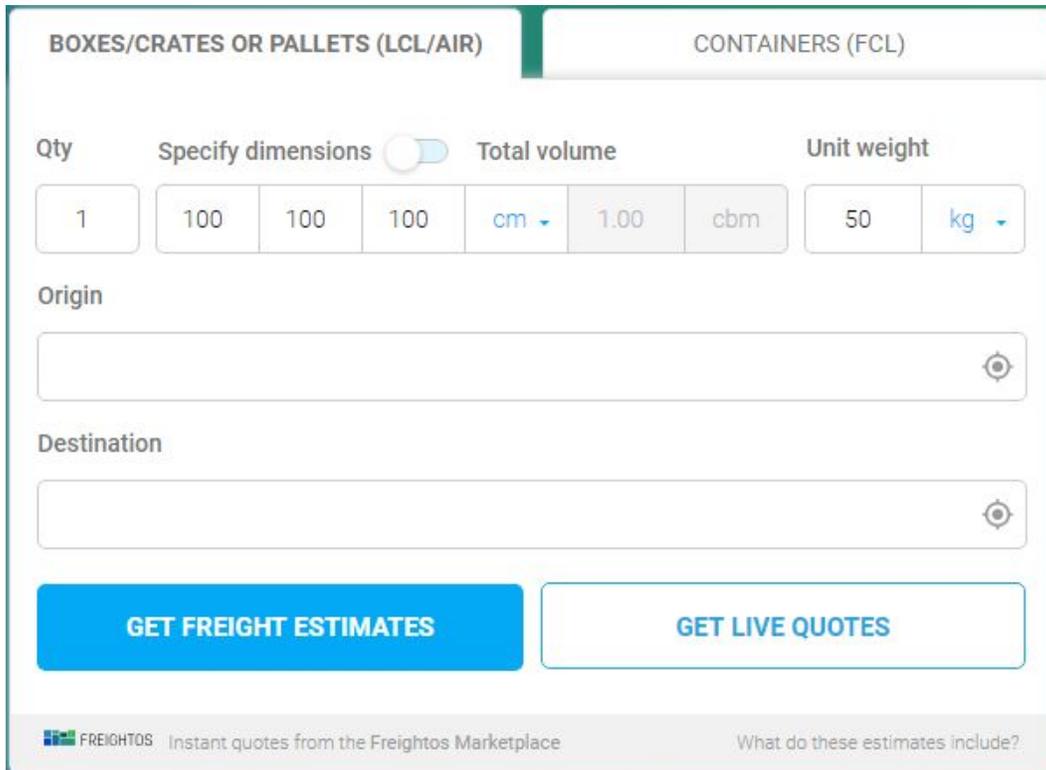
1. Add a reference to a JavaScript file, where the other JS references are, probably nearer the bottom of your HTML page. Note the [protocol-relative](#) URL of the *embed.js* file, it's not a typo, this way the widget can be embedded in pages served both via HTTP and HTTPS.

```
<script src="//freight-tools.appspot.com/embed.js" data-id="freightos-estimator" type="text/javascript"/>
```

2. Add the estimator widget tag where you want it to appear on your webpage.

```
<estimator></estimator>
```

The result will look similar to this:



The screenshot shows the Freightos Freight Rate Calculator widget. It has two tabs: "BOXES/CRATES OR PALLETS (LCL/AIR)" (selected) and "CONTAINERS (FCL)". The form includes fields for "Qty" (1), "Specify dimensions" (100, 100, 100), "Total volume" (cm, 1.00, cbm), and "Unit weight" (50, kg). There are also "Origin" and "Destination" input fields with location icons. At the bottom, there are two buttons: "GET FREIGHT ESTIMATES" (blue) and "GET LIVE QUOTES" (white with blue border). The footer contains the Freightos logo, "Instant quotes from the Freightos Marketplace", and a link "What do these estimates include?".

## Estimates vs. Binding Quotes

The Freight Rate Calculator widget can be configured to search for binding quotes instead of estimates. However the binding quotes take longer to appear and are currently only available in and out of the US, Canada and UK.

## Additional Customization

The freight estimator widget can be configured to search for quotes from your private rates stored in your account on Freightos. This can be achieved by providing the following parameters in the `<script>` tag:

- `data-key` - your private API Key provided from Freightos.
- `data-site` - use this if you have a site with private freight rates on Freightos or leave blank to get rates from the public Freightos Marketplace.
- `data-partner` - partner subdomain (e.g. mycompany.freightos.com).
- `data-cheapest-each-mode` - `true` or `false` (the default is `true`) to retrieve only the best quote per mode
- `data-affiliate` - your affiliate ID provided by Freightos (more details at [Freightos Affiliate Program](#))
- `data-direct-to-marketplace` - `true` or `false` to direct the users to the partner site when they click on 'Get live quotes' button.

## Example

```
<script
  src="//freightos.com/wp-content/uploads/tools/embed.js"
  data-id="freightos-estimator"
  data-key="MY_PRIVATE_API_KEY"
  data-site="mysite"
  data-partner="mysubdomain"
  data-direct-to-marketplace="true"
  data-cheapest-each-mode="true"
  data-affiliate="your-affiliate-reference"
  type="text/javascript"
/>
```

The Estimator widget can also be provided un-styled so you can apply your custom styles. This can be achieved by adding the *unstyled* parameter to the estimator tag:

```
<estimator unstyled></estimator>
```

## Widget 2 - Freight Rate Estimator to FBA Warehouses

The FBA freight rate calculator uses the same sources to provide instant freight quotes to FBA warehouses. Use the same JavaScript link as before and note the additional “fba” parameter in the *estimator* tag.

```
<script src="//freight-tools.appspot.com/embed.js" data-id="freightos-estimator" type="text/javascript"/>
```

```
<estimator fba></estimator>
```

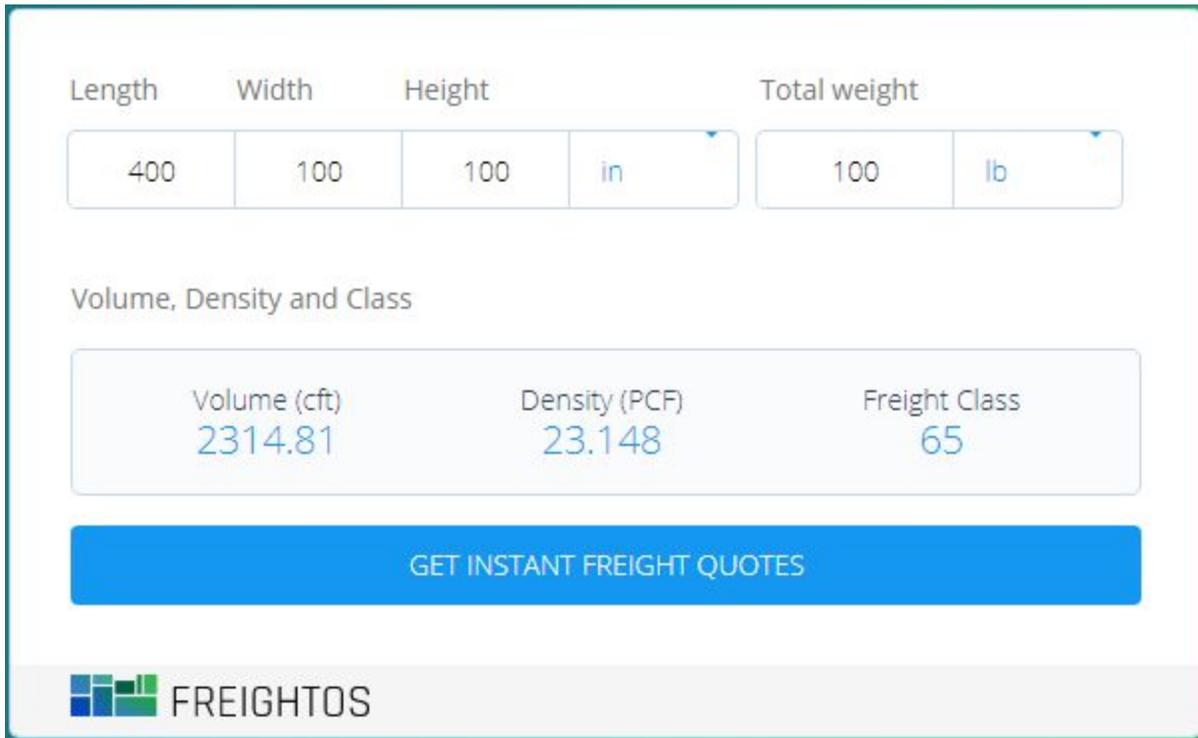
## Widget 3 - Freight Class Density Calculator

This calculator takes size and weight of freight loads and calculates the freight class, used for domestic freight shipping. Again, it's the same script tag and a different tag.

```
<script src="//freight-tools.appspot.com/embed.js" type="text/javascript"/>
```

```
<freightclass></freightclass>
```

The result will look similar to this:



The screenshot shows a web interface for a Freightos calculator. At the top, there are input fields for Length (400), Width (100), Height (100), and Total weight (100). The units are set to 'in' and 'lb'. Below these fields, the results are displayed: Volume (cft) is 2314.81, Density (PCF) is 23.148, and Freight Class is 65. A blue button labeled 'GET INSTANT FREIGHT QUOTES' is positioned below the results. The Freightos logo is visible at the bottom left of the interface.

Length	Width	Height	Total weight
400	100	100	100

Volume, Density and Class

Volume (cft)	Density (PCF)	Freight Class
2314.81	23.148	65

GET INSTANT FREIGHT QUOTES

 FREIGHTOS

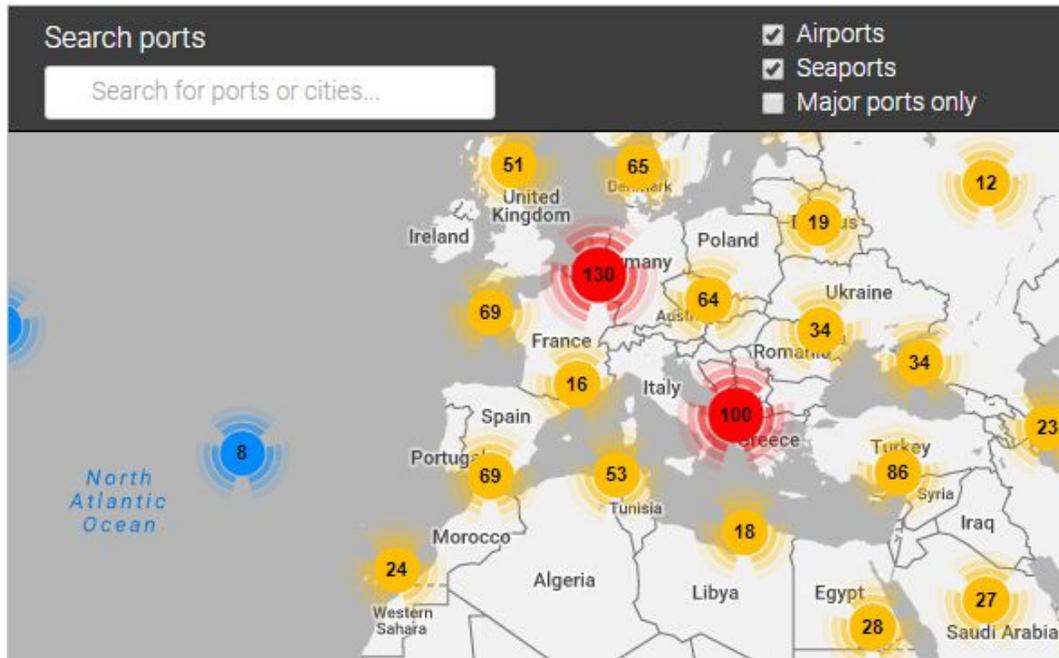
#### Widget 4 - Airport / Seaport Map

Freightos provides a global map of seaports and airports around the world. As before the *script* tag is the same and the widget tag is different.

```
<script src="//freight-tools.appspot.com/embed.js" type="text/javascript"/>
```

```
<div id="ports_map"></div>
```

The result will look similar to this:

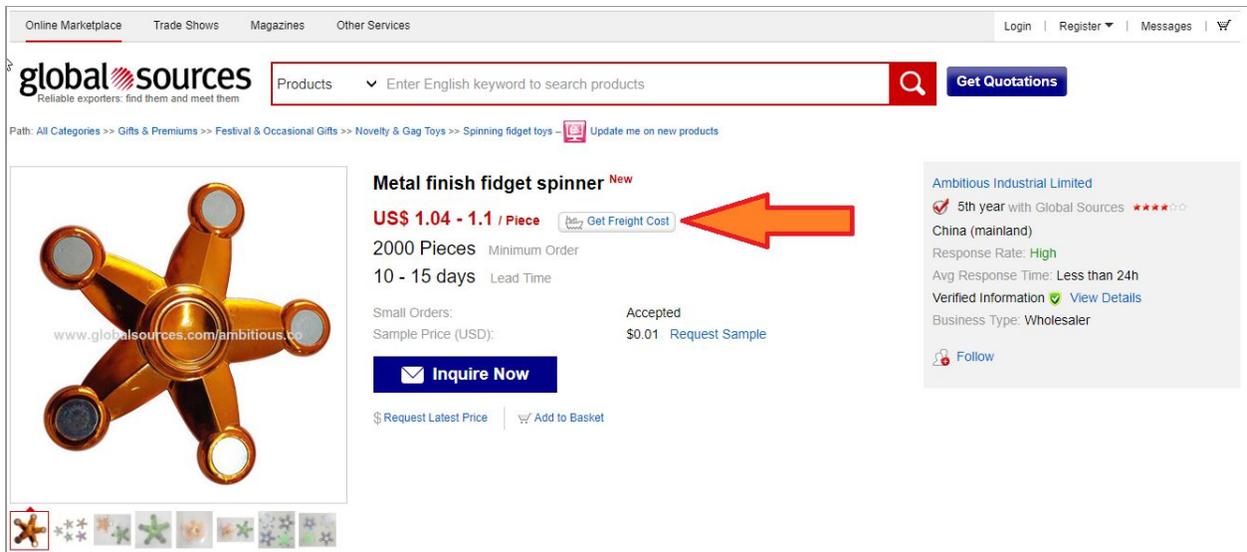


## Freightos API

Detailed documentation of the API is here: <https://www.freightos.com/api-docs/>.

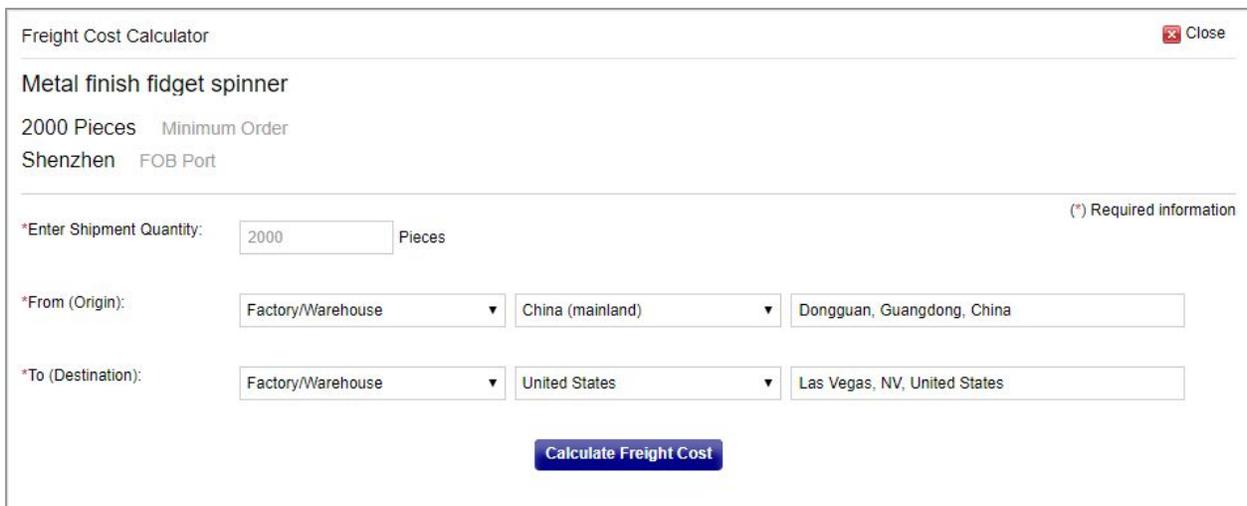
We will help you learn and use the API with best practices tips, answers to your questions, code samples in various programming languages and for different development environments, as well as anything else you might need.

Here's an example of one integration that we did with the GlobalSources.com company, one of the leading B2B marketplace companies (NASDAQ: [GSOL](#)). When you want to buy a product whose dimensions or the minimum order limit require freight, there is a button called "Get Freight Cost" (note the red-orange arrow in the screenshot below).



The screenshot shows the Global Sources website interface. At the top, there are navigation links for 'Online Marketplace', 'Trade Shows', 'Magazines', and 'Other Services'. The main header features the 'global sources' logo and a search bar with the text 'Products' and 'Enter English keyword to search products'. A 'Get Quotations' button is visible next to the search bar. Below the search bar, a breadcrumb path is shown: 'Path: All Categories >> Gifts & Premiums >> Festival & Occasional Gifts >> Novelty & Gag Toys >> Spinning fidget toys'. The main content area displays a product listing for 'Metal finish fidget spinner' with a price of 'US\$ 1.04 - 1.1 / Piece', a quantity of '2000 Pieces', and a lead time of '10 - 15 days'. A red arrow points to the 'Get Freight Cost' button. To the right of the product listing, there is a sidebar for the supplier 'Ambitious Industrial Limited', showing their profile, response rate, and business type.

When you click on the button, the Freightos Calculator pops up, and you can fill in the number of items that you need, the origin, the destination and click “Calculate Freight Cost” button.



The screenshot shows the 'Freight Cost Calculator' form. The title is 'Freight Cost Calculator' with a 'Close' button in the top right corner. The product name 'Metal finish fidget spinner' is displayed at the top. Below the product name, the quantity '2000 Pieces' and 'Minimum Order' are shown. The origin is set to 'Shenzhen' and the trade term is 'FOB Port'. The form contains three main input sections:
 

- '\*Enter Shipment Quantity:': A text input field containing '2000' and the unit 'Pieces'.
- '\*From (Origin)': A dropdown menu set to 'Factory/Warehouse', a location dropdown set to 'China (mainland)', and a text input field containing 'Dongguan, Guangdong, China'.
- '\*To (Destination)': A dropdown menu set to 'Factory/Warehouse', a location dropdown set to 'United States', and a text input field containing 'Las Vegas, NV, United States'.

 A 'Calculate Freight Cost' button is located at the bottom of the form. A note '(\*) Required information' is visible on the right side of the form.

In a few seconds you get several options of freight services, varying by price, transit time, and freight mode (e.g. air, ocean, express). The customer then can choose the more suitable one and complete the purchase.

Obviously the look and feel can be completely customized.

Freight Cost Calculator
Close

**Metal finish fidget spinner** Inquire Now

Export File
Re-Calculate

To calculate the landed cost, export the file and add in insurance, duty and VAT as required.  
This chart is for reference only. Actual costs may vary. (All Prices in USD)

Shipping Method:	Air Freight	Ocean Freight	Express
Total Transport & Product Cost of Shipment:	<b>\$2,959.58</b>	<b>\$2,495.36</b>	<b>\$3,242.59</b>
Total Transport & Product per Piece:	<b>\$1.48</b>	<b>\$1.25</b>	<b>\$1.62</b>
From (Origin):	Dongguan, Guangdong, China	Dongguan, Guangdong, China	Dongguan, Guangdong, China
To (Destination):	Las Vegas, NV, United States	Las Vegas, NV, United States	Las Vegas, NV, United States
Transit Time:	11-18 days	32-56 days	5-6 days
Product Cost:	\$2,200.00	\$2,200.00	\$2,200.00
Shipping Cost: <small>Source: <a href="https://ship.freightos.com">https://ship.freightos.com</a></small>	\$759.58	\$295.36	\$1,042.59
Vendor:	-	-	-
Valid Until:	-	-	-

## Co-branded Website

Co-branded Freightos Marketplace - is the full Freightos Marketplace experience under your brand. Your customers can search for instant freight quotes (air, ocean and land), review the options and book them. The application supports a fair amount of customization to adjust the application for your certain brand and look & feel.

The Freightos team will set it up for you so this options is by far the shortest path to offer the Freightos Marketplace features, under your brand, to your customers. Freightos can also discuss a revenue share with you.

You can see an example of such a site at: <https://newegg.freightos.com>. Note that the contents and the look and feel of its home page can be customized.

**Your logo here**

Smooth shipping on the online freight marketplace  
No hidden costs. Instant comparison. 24/7 support.

**PALLETS/BOXES/CRATES** CONTAINERS Amazon FBA seller? [Learn more](#)

Load  Calculate by units  Calculate by total shipment

Boxes/Crates  L W H CM  KG

Add load Shipment total: 1 Unit, 0 CBM, 0 KG

Pickup goods from:

Factory / Warehouse  Enter city or zip code

Deliver goods to:

Business (needs liftgate)  Enter city or zip code

Optional services

Insurance  Personal effects  Hazardous

Customs clearance services

Customs brokerage (# of commodities)   
Have a customs bond?  Yes  No

**SEARCH & BOOK**  
Total 1 Unit, 0 CBM, 0 KG

## Get in Touch!

We will be delighted to help you with the integration. Don't hesitate to email [apis@freightos.com](mailto:apis@freightos.com) anytime you have a question or need any help with our tech.