

PRESS RELEASE

Fabreeka International Inc.
1023 Turnpike Street
Stoughton, MA 02072

T (781) 341-3655
(800) 322-7352
F (781) 341-3983

info@fabreeka.com
www.fabreeka.com

Boston, MA-USA

Fabreeka launches online sizing tool for machine foundation isolation

Fabreeka International offers more than a century of experience providing vibration isolation and shock control solutions for customers worldwide. With the launch of Fabreeka's online sizing tool for machine foundation isolation, the company expands its services with a digital offering free of charge that is accessible 24/7.

At www.fabreeka.com/calculations/machine-foundation-isolation/ designers of foundations or inertia masses for industrial machinery achieve quick results when inputting their information about the foundation they want to design, along with the specifications of the machine they want to install. Civil and structural engineers or anybody wishing to access Fabreeka's knowledge and recommendations for proper vibration isolation can now do so anywhere, and anytime in just a few steps with the help of the easy-to-use software provided in the calculation menu online. By entering data into customer-friendly selection boxes regarding dimensions, weight and material, users get their results right away in a printable PDF file. With each new entry, they receive unique ID numbers that specify the chosen solution. Both practical and helpful features are important time savers for all parties involved as they allow for less back and forth with an engineer at Fabreeka, e. g. during the bidding phase since all the necessary information for subsequent steps is readily available. All in all, Fabreeka's online sizing tool for machine foundation isolation does not only speed up the ordering process for contractors, it also facilitates communication between Fabreeka, their clients and prospects.

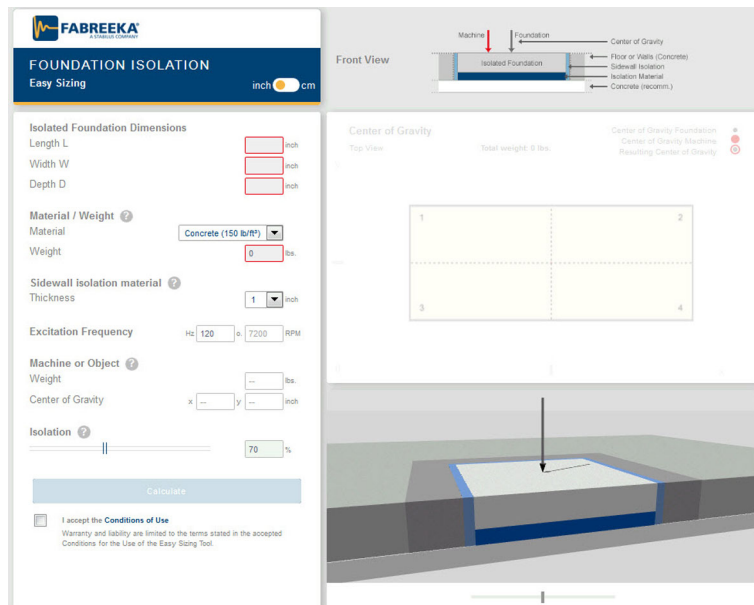
New online tool underlines Fabreeka's customer-oriented approach

Clients confirm that Fabreeka's customer-oriented approach is one of a kind. General Manager David Meyer and his team are committed to this approach and do everything to carry it into the digital age, as well as into the next decade of Fabreeka's impressive company history: "Many companies offer products for vibration isolation and shock control; Fabreeka demonstrably delivers sophisticated technical solutions of which our new online tool is only the most recent example," David Meyer explains. Understanding customer-specific requirements and pairing the necessary solutions with proven products has been one of Fabreeka's biggest strengths for over 100 years now. The company has not only been further integrating their products, but the engineers have also been dedicated to the topic of Industry 4.0 since its early stages, allowing customers today, as well as in the near future to benefit by using extensive and integrative products and services. In this respect the new online tool does not only offer 3D visualization of the customer application while always showing the machine position and foundation, it also lets users choose from up to four options in vibration isolation, covering all price ranges for best selection according to the budget of each project or calculation.

As flexible as the program is in showing cost, it is in the design options which the users are presented with. By inputting different foundation dimensions, one sees various options for isolation on the computer screen. For further reference offline or for design review and approvals, users can generate PDF files of their input and output results. Fabreeka's online sizing tool for machine foundation isolation also automatically calculates the combined center of gravity (COG) and supports available solutions in one place for product performance versus price comparison at www.fabreeka.com/calculations/machine-foundation-isolation/. Next to this new, convenient pathway, the company and its employees are of course always available for communication and consultation by phone, email and in person on location.

Pictures and Captions

Picture 1 Input Screen.jpg



The screenshot displays the 'FOUNDATION ISOLATION Easy Sizing' tool interface. On the left is a control panel with the following fields:

- Isolated Foundation Dimensions:** Length L, Width W, and Depth D, each with a numeric input field and a unit selector (inch/cm).
- Material / Weight:** Material (dropdown menu set to 'Concrete (150 lb/ft³)'), Weight (numeric input field set to 0, unit 'lb.').
- Sidewall isolation material:** Thickness (dropdown menu set to 1, unit 'inch').
- Excitation Frequency:** Hz (input 120) and RPM (input 7200).
- Machine or Object:** Weight (input field, unit 'lb.').
- Center of Gravity:** x and y coordinates (input fields, unit 'inch').
- Isolation:** A slider set to 70%.
- A 'Calculate' button.
- A checkbox for 'I accept the Conditions of Use' with a link to the full terms.


On the right, the tool provides visual feedback:

- Front View:** A cross-sectional diagram showing a machine on a foundation with labels for 'Machine', 'Foundation', 'Center of Gravity', 'Floor or Walls (Concrete)', 'Sidewall Isolation', 'Isolation Material', and 'Concrete (recomm.)'.
- Center of Gravity Top View:** A 2D top-down view of the foundation with a grid and a vertical arrow indicating the center of gravity. It includes fields for 'Total weight: 0 lbs.' and 'Center of Gravity Foundation' and 'Center of Gravity Machine'.
- 3D View:** A perspective view of the foundation and machine assembly.

Fabreeka's new sizing tool for machine foundation isolation is available around the clock for quick and easy input at www.fabreeka.com/calculations/machine-foundation-isolation/

Picture 2 PDF Screen of Results.jpg

FOUNDATION ISOLATION
Sizing Tool

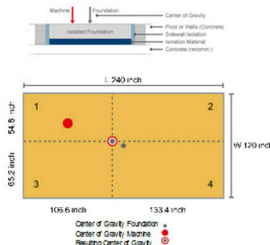


<p>P&C Consulting John Smith 1122 Main Street Stoughton, MA 02072 T 781-341-3655 jsmith@yourcompany.com</p> <p>Your project name: Gas Compressor Station</p>	<p>Fabreeka International, Inc. 1023 Turnpike Street Stoughton, MA 02072, USA T 800-322-7352 F 781-341-3683 info@fabreeka.com</p> <p>Date: February 22, 2019</p>
---	---

Solution A: FAB-EFFRIFABSORB

Ref.-ID F-20190222-58-A

Material Installation Layout



Design Inputs

Isolated Foundation Dimensions
 Length L: 240 inch
 Width W: 120 inch
 Depth D: 2.4 inch

Foundation weight
 Material: Concrete (150 lb/ft³)
 Weight: 60,000 lbs.

Sidewall Isolation
 Thickness: 1 inch

Excitation Frequency
 60 Hz

Machine or Object
 Weight: 15,000 lbs.
 Center of Gravity: x:52.8 y:60 inch
 Total Weight: 75,000 lbs.
 Deflection: 0.429 inch
 Natural Frequency: 12 Hz
 Isolation Reduction: 96.54 %
 Isolation Reduction Requested: 90 %

Material Specification

Area	Product	# of Sheets	Area Size	Total Thickness	Layers	Stress	Category
1,3,4	FAB-EFFD4	48	200 ft ²	2 inch	2	2.6 psi	\$
Sidewall	FABSORB 10M	4	120 ft ²	1 inch	1		\$

Notes
 Deflection Result = Average of four quadrants (areas)
 Natural Frequency Result = Average of four quadrants (areas)
 Thickness: 10/17 thickness, 20/17 thickness sheets are used.
 FAB-EFFM HP sheet size = 25mm X 1.5m X 5m.
 FAB-EFFD4 sheet size = 1' X 36" X 36".
 All other FAB-EFFHP sheet sizes = 1' X 36" X 72".
 FABSORB M series = 1" x 10' 3" x 45' x 100'; FABSORB H series = 1" x 24' x 100'.

Request Quote

After completing a few quick and easy steps, Fabreeka's recommendation for proper vibration isolation is documented in a printable PDF to facilitate all further processes.

Please contact us or visit our website for more information.

Fabreeka International, Inc.
Pam Goulart, Marketing Manager
 1023 Turnpike Street
 Stoughton, MA 02072
 T: (781) 341-3655 or 1-800-322-7352
 F: (781) 341-3983

E: pgoulart@fabreeka.com

www.fabreeka.com
www.fabreeka.com/calculations/machine-foundation-isolation/