

MONEY

Could heated airport runways melt away your winter travel headaches?

Jeff Rossen and Lindsey Bomnin
TODAY

9 hours ago

There have been thousands of flight delays and cancellations due to winter weather this year, and it's only January. Not only that: snow and ice at airports can send planes skidding off slippery runways.

[Get Jeff Rossen's new book, "Rossen to the Rescue," here.](#)

What if there were something that could fix all that? At Des Moines International Airport in Iowa, TODAY national investigative correspondent Jeff Rossen got a look at a new technology in action: heated runways and tarmacs.





Could heated airport runways solve winter travel woes?

PLAY VIDEO - 3:54

MORE VIDEO



TODAY and Jeff Rossen offer free flu shots



Rossen Reports update: How to drive safely on icy roads



Where germs in gyms are (and how to avoid getting sick from them)



Behind the scenes of an emergency alert center

"We have stainless steel electrodes embedded within the concrete," explained Halil Ceylan, head researcher of [the Iowa State University team that developed the technology](#). "Then we connect it to power, turn the electricity on. It generates heat and it melts ice and snow on it."

When Rossen tossed snow onto a slab of prototype heated runway, it melted into water in seconds. A thermal gun showed the heated pavement to have a temperature of 62 degrees Fahrenheit, in contrast to 22 degrees for unheated pavement nearby.



Jeff Rossen at (chilly) Des Moines International Airport.

To put the technology to a bigger test, snow was hauled in from [Sleepy Hollow Sports Park](#) and spread across the heated slabs. Instantly the snow started to melt, taking less than 10 minutes to turn to water.

The research team estimated that the technology would cost about \$200 million to install in the most congested areas of an average-size airport. But over time, they added, it could save airlines, airports and passengers up to \$273 million.

Ceylan said the heated concrete could also be used on sidewalks, bridges, parking lots and even highways to help prevent winter accidents.

To suggest a topic for an upcoming investigation, visit the [Rossen Reports Facebook page](#).

More: [Money](#), [Travel](#)



TODAY daily newsletter

Enter your email SIGN UP

PRIVACY

More to Explore

Promoted Links by Taboola

Cardiologist Warns: Throw Out Your Probiotics Now

Gundry MD

Angelina Jolie's New Go-To Travel Shoe Is Surprisingly Affordable

Vogue | Everlane

Rock Rapids, Iowa: This Brilliant, New Company Is Disrupting a \$200 Billion Industry

EverQuote Insurance Quotes

How Does Getting Rid of Interest Payments Until 2019 Sound?

NerdWallet

12 Viral Products Everyone Will Buy In 2018

Golfers Are Replacing Their Lob Wedge with This All-New Club

Square Strike Wedge Golf

From the Web Promoted Links by Taboola

Angelina Jolie's New Go-To Travel Shoe Is Surprisingly Affordable

(Vogue | Everlane)

Cardiologist Warns: Throw Out Your Probiotics Now (Gundry MD)

Rock Rapids, Iowa: This Brilliant, New Company Is Disrupting a \$200 Billion Industry (EverQuote Insurance Quotes)

If You Own A Home In Iowa You Can Now Claim Your \$4,240 Benefit (The Better Finance)

Digestive Health Experts Agree: Your Diet Is Not The Problem (This Is) (ActivatedYou)

Germs in gyms: Which popular machine is the germiest?

Germs in workplaces: Which TODAY anchor has more germs in their office?

7 foods a food safety expert never eats

Gwyneth Paltrow opens up about relationship with Chris Martin post-engagement

Live in New York City? Get your free flu shot with TODAY Fights the Flu

More from TODAY.com

MONEY

J. Crew and Madewell just made denim shopping easier for more women

Chrissy Callahan
TODAY

Jan. 24, 2018 at 1:53 PM

J. Crew and sister brand Madewell just got a lot cooler. Both brands recently expanded their denim offerings to include additional sizes, while Madewell also added a new style made just for curvy gals. The move is one small step in a growing push for **more inclusive sizing** in the **fashion** industry.



J.Crew

J. Crew and Madewell are the latest in a string of brands to offer expanded size offerings.

Hot on the trail of Target and other brands that have announced expanded size offerings. J. Crew extended **a selection of their denim sizes**
<https://www.today.com/money/could-heated-runways-melt-away-your-winter-travel-headaches-t121729>

from 32 to 35 last week, according to **Racked**. Shortly afterward, Madewell unveiled extended size options, which now include 11 styles offered in sizes 33-35. To save you the trouble of converting the sizes yourself, that means Madewell now carries sizes 000 to 20!

The younger brand also launched a new style dubbed the **curvy high-rise skinny jean**. Available in three washes, the design is a throwback to Madewell's classic skinny style, and is made for “those with an hourglass shape (translation: booty),” according to the retailer’s website.



J.Crew

Shoppers will find extended size offerings and a brand new curvy denim style in Madewell's spring collection.

inspiration behind the new size offerings: "I want *those* jeans in *my* size."

The relatable quote expresses a sentiment shoppers everywhere have been voicing to retailers. And while there's still work to be done, these latest moves show something that's pretty encouraging: Brands are listening.

[f](#) [t](#) [e](#) [c](#) share link



MORE VIDEO



Husband's reaction to his wife's Ambush Makeover: 'Babe, you look fantastic!'



Vote for which outfit the bridesmaids should wear in live TODAY wedding



How to make your home (and yourself) cozy despite winter's chill



These boots are made for winter: Lilliana's Luxe for Less

More: [Style](#), [Style](#), [On Trend](#)

[f share](#) [tweet](#) [email](#)

TODAY Style newsletter

Enter your email [SIGN UP](#)

[PRIVACY](#)

[About TODAY](#)

[Visit TODAY](#)

[TODAY store](#)

[TODAY apps](#)

[Contact us](#)

[Sitemap](#)

[Jobs](#)

[Terms & Conditions](#)

[Privacy policy](#)

[Closed captioning](#)

[Advertise](#)

[AdChoices](#)

