



Pro-Tech
Sno Pushers

Productivity Study



Our Roots

Creating
Productive
Value



The original Sno Pusher was brought to market in the early 1990's and revolutionized the way snow and ice is commercially managed. Starting from humble beginnings as a small welding and fabrication shop, our founder saw the market's need for a better type of **containment snowplow**. One that offered **high quality** and **performance** and was **available to the masses**. From that idea the Sno Pusher brand was born and within a few short years became an internationally used product. To date, Pro-Tech has sold **tens-of-thousands** of snow pushers to companies and organizations **all over the world**.

Snow Pushers: (also known as box plows, containment plows, or box style plows) are designed to move snow by pushing it straight ahead. They do this by being constructed with a curved moldboard that lies perpendicular to the direction of travel and a sidewall at either end that keeps the snow contained. For parking lots, runways, laneways, etc. this is an improvement on the traditional windrow plowing, which uses an angled plow to move snow to the side.

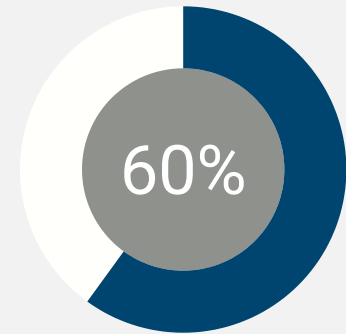
The information and stats exemplified in this study are exclusively based on information that was provided directly to Pro-Tech from companies both large and small across the country.

Incorporating Containment Plows

Introducing a containment plow into your snow and ice removal fleet will directly have a positive impact on your operation. Statements from containment plow users:

"To increase profit margin, containment plows were a must-have in our operation. The combination of plows and heavier machines aided us in our productivity. We were able to meet and exceed customer expectations, leading to substantial business growth."

- Matt Holcomb, Holcomb Enterprises LLC (OH)



"Clearing snow with a containment plow is 60% faster than using truck plows"



"Introducing containment plows to our operation cut plow times by 50%-60%."

"In order to work in a productive manner on large site locations, loaders combined with containment plows are the required tool."

- Mike Frazier, Winter Services (WI)

"We began incorporating containment plows when we needed a safe and efficient way of removing snow from our synthetic fields here at the University of Notre Dame. The Pro-Tech Turf Pusher fulfills this need, whether it be for a practice or an actual game event. Since our purchase of the Turf Pusher, the University has purchased other containment plows not only for fields but also for snow removal on large parking lots throughout campus."

Chuck Dietz, University of Notre Dame (IN)

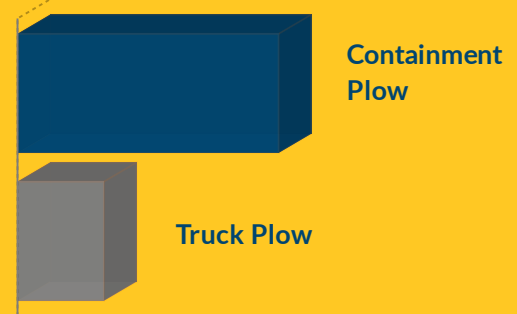
It's important to note that depending on the size, some containment plows can be up to 500% more productive than a standard truck and snow plow combination.

Incorporating Containment Plows

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"The primary objective of implementing containment plows into our fleet was to increase productivity and efficiency. With over a decade under our belt, we have seen tremendous benefits in every area of snow removal when using containment plows."

- Trevor Biebrach, Snow Systems (IL)



"When Using Containment Plows We Have Seen An Increase In Time Efficiency By Three-Fold When Compared To A Regular Truck Mounted Angle Plow"

"We began using Pro-Tech containment plows, a productive snow removal tool that was also affordable. Having containment plows for efficient snow removal allowed us to competitively bid on large commercial sites. The high productivity rate that containment plows offer allowed our company to take on large commercial contracts, growing our business quickly. Large sites are simply too big to effectively operate with a standard pickup and plow setup. Without the use of containment plows, we simply would not have the snow removal capacity to retain these customers beyond the first snowfall. "

- Daryl Mathsen, Chad Gibbs Snow LLC (ND)

"As we started servicing larger facilities, we needed to reduce the number of truck plows we had on each site. Just by dedicating one skid steer with a Pro-Tech Sno Pusher to each site, we were able to efficiently clear these sites without needing multiple truck plows."

- Tom Marsan, Beverly Companies (IL)

10' Containment Plow

More productive in a side by side comparison to a truck plow.



16' Containment Plow

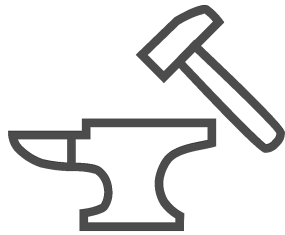
More productive in a side by side comparison to a truck plow.



Simplicity Equals Productivity

Imagine taking a NASA space shuttle to work every day instead of your truck or car. Sounds pretty awesome until you start factoring in several things such as the cost, the maintenance, the time required to get to the launch pad and the hours spent fixing components. To say this method of transportation is overkill is an understatement.

This analogy is the way that Pro-Tech looks at snow removal and the attachments we make. Our goal is to build the most durable, effective, and easy to use products; not the most complicated. Sometimes technology gets in the way of productivity.



Whether starting your first winter in snow removal or a seasoned veteran, you can rely on our snow pushers to:

Be The Most Durable:

A snowstorm doesn't take timeouts around your schedule. When the snow is falling you need equipment that is built tough.

Get The Job Done:

Every inch of a Pro-Tech snow pusher is carefully engineered for excellence. The rubber compound, the grade of steel, the angle of attack, etc. are all considered. We also conduct heavy situation-testing where we run our products through real-time winter scenarios to ensure incredible performance during a storm.

Be Easy To Use:

We don't over-complicate the uncomplicated. No unnecessary bells and whistles here. We engineer our entire line of snow pushers with a "drop and go" philosophy. Even our sectional models with floating couplers and hydraulic plows are designed in this manner.

Productivity FAQ's

Sometimes it's the small things that count or in this case, increase your productivity. Your answers to these questions can improve your plowing performance even more.

What type of surface am I plowing?

The type of surface you are plowing can strongly influence which snow plow you should purchase. Pro-Tech offers over 120 snow pusher and snow plow models for a variety of surface applications. Here are several recommendations:

Concrete:

Because concrete is more abrasive than asphalt we recommend using our Super Duty Wear Shoes, which are twice the wear life of our already durable standard wear shoes.

Gravel:

Our steel edge plows are designed for scraping up hard pack snow but are not ideal for gravel properties. Rubber edge plows are best for gravel lots as the edge can still remove the snow from the surface but not disrupt the stones.

Grass And Artificial Turf:

Our Turf Pusher is a containment snow plow designed specifically for clearing snow from athletic playing fields.

Sensitive Surfaces (Pavers, Parking Garage Membranes):

Rubber edge snow pushers are always recommended over steel edges. Customers should also consider our Poly (UHMW) shoes, which minimize friction and help the plow glide over the surface.

Is the operator experienced or new to plowing?

Seasonal employees or sub-contractors can sometimes add additional "wear-and-tear" on snow pushers. This is one of the reasons why the durability of the snow pusher brand you choose is so important. For those new to plowing, we recommend our Self Leveling Wear Shoes, which protrude from the rear of the snow pusher and help maintain a level plowing position. Some manufacturers also offer level gauges that mount to the plow and tell the operator when they are running level.

What Size Snow Pusher?

The best size snow pusher for your property depends on the size of the property, how many machines you plan on running, and the horsepower of those machines. At Pro-Tech we list the hp requirements for all our models on our website snopusher.com.

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Are there any special property requirements?

Some containment plow manufacturers offer specialty snow pushers that can be used for different types of properties. These types of plows can increase your productivity even more because they are meant for that application. Here are some of Pro-Tech's specialty options:

Super Duty Sno Pusher:

Perfect for airports, distribution centers and other large properties.

Foldout Sno Pusher:

Folds the snow pusher to 8'6", allowing for street travel and helping to navigate difficult property obstacles.

Pullback Sno Pusher:

Allows operators to pull snow away from tight areas such as loading docks and parking spots.

Low Profile Angle Sno Pusher:

Can reach up to 6' under parked trailers at distribution centers.

Chains Or Direct connection? (For Loaders And Backhoes)

Pro-Tech and several other containment plow brands offer customers the option to choose between a standard post-style connection and a custom coupler for their prime mover (CAT, JRB, Euro, etc.). Post style mounts allow the bucket to float on the snow pusher and adhere to surface irregularities. Direct connections are more rigid but can also give you improved control over the snow pusher. Which one is best often depends on operator preference and experience.

How Low Should I Set The Rubber Edge?

For optimal performance on rubber edge snow pushers make sure the back lower edges of the rubber is hanging between 1/8" and a 1/4" below the bottom of the wear shoe.

Customer Comments

Below are additional comments and feedback collected from customers for the productivity study.

"Thank you Pro-Tech for your professionalism, prompt accommodating service, superior product and commitment to 100% total customer satisfaction! There is no wonder why you are the leader in the snow pusher industry."

Sean Fico, AP Enterprises

"Our experience using Pro-Tech snow pushers has been great. They have proven to be an integral part of our success on larger commercial sites. Not only that, but Pro-Tech as a whole offers a wealth of information online and in print format. If there is anything we need to know about the products we utilize or other products they offer, information is only a couple of clicks away. Local dealer support has also been exceptional. If we need any parts or service, they always have them on hand or can assist us in any way we may need. Whenever thinking about adding a different type or another piece of equipment to our fleet, I will always consider Pro-Tech products in the future."

Daryl Mathsen, Chad Gibbs Snow Removal LLC

"I have a 12' Pro-Tech Sno Pusher for our backhoe. When we had the October snow a few weeks ago, not all of our trucks were ready. That pusher saved us!!!!. A big thanks goes out to everyone who works at Pro-Tech. Simply the best."

David Paczkowski, DD Landscaping

"Hey guys, just wanted to say thank you for making such great quality snow pushers! I run Pro-Tech and refuse to get anything else. You guys rock!"

Vasco Landscaping

"We have done the snow management at this warehouse for three seasons. This past winter we added the Low Profile Angle Sno Pusher to our fleet just to cut down on our cleaning time under trailers. After using it the first storm we not only cleaned under trailers at an extremely fast rate, but we used it for all roadways in the complex and cut our equipment and labor usage by more than 50%."

Steve Wagner, Wagner Landscaping

"We are gearing up for another winter here at JPM Enterprises. I have had great success in owning your products over the years. Definitely has made a huge difference in our productivity. Thanks again for the great products!"

John Martin, JP Martin Enterprises