

LINEAL POSITIONERS

With a tight labor market, one of the fastest payback machines which **Wakefield** offers is the **TigerStop** lineal positioner. **TigerStop** is:

- Productive with increases of well over 100% as opposed to manual stops.
- Simple to use. Most operators can be trained in less than 5 minutes.
- Accurate, with repeatability of 4 thousandths of an inch.
- Fast, with speeds in excess of 3 feet per second.
- Expandable using communications and optimization software.
- Versatile for applications from window frames to I.G. spacers.
- Affordable, with prices starting around \$5000.

TigerStop is normally sold as a positioner with a working length of 10 feet, but is also available in sizes from 4 feet up to 30 feet. The longer **Tigers** can be used for curtain wall, or as a pusher. However, the most economical length is 10 feet, and 95% of our sales are in this range.

Some of the more popular options are extended stops, attachment hardware, and tables. Call us, and we'll discuss the model and options which best suit your needs.

If optimization is important, there are various programs available. Many of these optimization packages are included with those popular manufacturing software programs used in our industry, and they interface with **Tiger**. Call us for a list of suppliers.

For the small investment it requires, **TigerStop** has surprised many fabricators with its fast payback and ease of use. We encourage you to take a hard look at this machine.

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Why Buy a Positioner?

There are a multitude of reasons to place an automatic lineal positioner in your facility. Most studies show a production increase of three fold over manual stops. The greater the number of different lengths that are cut over a production cycle, the faster the payback. A few of the many benefits that a lineal positioner will provide include:

- Reduced labor in changing set ups.
- Increased measurement accuracy.
- Use of less skilled labor in cutting.
- Overall faster production rate.

Another major benefit of a positioner is the ability to interface cut lists, and reduce material cost through optimization. This application is discussed in more detail in the pages that follow.

Perhaps the fastest, and most cost effective means to reduce labor today is with lineal positioners strategically placed throughout the shop.

Why Tiger?

Today, fabricators spend substantial sums of their capital budgets to acquire costly, and often, complicated equipment. Without a doubt, many of these expenditures are justified. Quite often, however, a simple item such as a lineal positioner, placed **throughout the factory**, can offer a quick, and guaranteed payback. This is one of the strengths of *TigerStop*.

Due to *Tiger's* cost, it can be placed in a multitude of areas to perform a variety of chores. Besides conventional uses for positioners such as frame and sash lineals, *Tiger* can be justified in areas never before considered. Some of the uses beside frame and sash measuring includes screen rail, glazing beads, I.G. spacers and more.

Traditionally, positioner use has been restricted due to price. A machine which costs in excess of \$10,000 has limited applications. Since *Tiger* sells for a fraction of the price of other positioners, a multitude of new uses can now be considered.

The uniqueness of Tiger is tied directly to its low cost which enables it to be used in a much wider variety of applications.

What about Reliability and Performance?

Today, there are thousands of *Tigers* in operation. Many of these have been in continuous use for years. There is no other lineal positioner on the market with a track record like *Tiger*.

When it comes to performance, the statistics are equally impressive. *Tiger* is:

- Accurate with repeatability of 4 thousandths of an inch.
- Fast with speeds in excess of 3 feet per second.
- Easy to use with typically operator training time of under 5 minutes.

Each machine comes with an easy to read operating manual with complete instructions for simple set up and immediate use. *Tiger* operates on 100 volt, single phase electric and is ambidextrous, or non-handed so it can be set up on either side of the machine or saw you'll be using.

Support is available through both **Wakefield** and *Precision Automation* with replacement parts shipped with same day service. *Tigers* will operate equally well in a wood, vinyl, fiberglass or aluminum environment.



As with all equipment using a microprocessor, clean power is needed, and a line filter with a surge protector is highly recommended. Please consult with your local electrician when first setting up *Tiger*.

Tiger has one of the finest track records of any machine in its category.

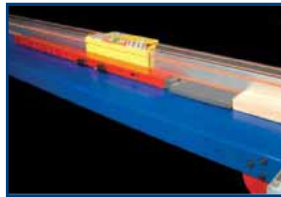
Tiger is easy to set up, simple to use, and a cinch to maintain.

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Which Model & What Accessories Do You Recommend for my Tiger?

TigerStop is available in various lengths from 6 to 30 feet. The most is the 10 foot version since it is the most price effective, and works well for most applications. Remember, that the length of the machine refers to the working dimension (the actual extrusion is two feet longer) which means that a 10 foot machine, for example, can cut anything within a ten foot range (1 to 11 feet, 2 to 12 feet etc. depending upon where it is set next to the saw).

The most popular way to buy a *Tiger* is as a basic unit which includes a stand to mount the controller and line filter. Since most fabricators are replacing a manual stop, they usually already have a table. If a table is required, this option is also available. The most popular table is a smooth slide unit, however, there are roller tables for longer, heavier extrusions. A ledge stand can also be used, but only if the finished parts are immediately removed after cutting.



The last item to consider is the stop itself. *Tiger* comes standard with a flip away stop which comes to within 4-1/2 inches of the end of the extrusion. To this, one has to add the distance to the saw blade. If you cut pieces smaller than this, you might want to consider a "pusher foot" to move the stop closer to the blade. If you're cutting multiple pieces, a gang stop might be considered.

Besides these accessories, there are other options available to help increase your productivity. We'll be glad to review them with you. Give us a call, and we'll make sure that you get the right *Tiger*, with the right options at the right price.

The length of a Tiger refers to the overall range of movement.

The accessories you choose depends upon your particular needs, and we will help you with that selection.

What Software Should I Use?

Many *Tigers* are used as "stand alone" machines without an interface. In fact, most machines are initially sold this way, and communications are added later. Remember, if you plan to drive your *Tiger* through a PC, you must transfer the cut list into an

optimization package first. **Some programs currently working with Tiger include:**

- Caliburn
- Creative Systems
- D-Calc
- Fenevision
- Friedman
- G.D.S.
- Opti-Cut
- PainLess Window
- PMC Software
- Winsys
- Window Maker
- Window Magic
- WTS Paradigm

In most cases, an interface only requires Level Two Software. The exceptions to this are G.D.S., Friedman and Window Maker where Level Three may be required.

If you have a manufacturing program other than one listed above, and would like to optimize, contact us. Many of the above suppliers will be glad to work with you with just their optimization package.

Typically, optimization can save anywhere from 10 to 20% on material usage. The payback can become quite phenomenal, and in some cases will be only a few weeks. Besides material, there are substantial labor savings since cuts will no longer be entered manually. Contact us for more information.

You can purchase a Tiger as a stand alone unit at first, and add communications later.

Optimization software can save up to 20% on material costs which can sometimes reduce your payback to only a few weeks.

Conclusion

If you're like most manufacturers today, you want to stretch your investment dollar as far as possible. You know the importance of reducing labor, but have a multitude of priorities.

We firmly believe that *TigerStop* lineal positioners offer the absolute best possible payback for your investment. **Wakefield** has successfully put in scores of these installations throughout the United States and Canada with great results.

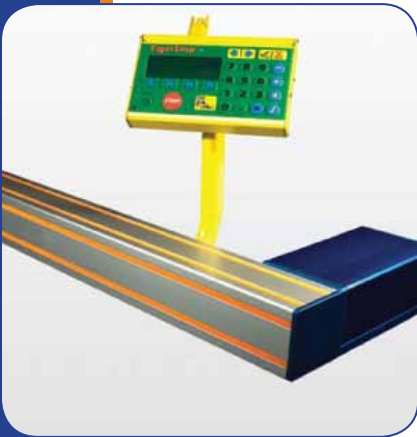
If you need additional information including a free video, please call. We want to help you on the path to higher productivity and reduced costs.

For more information, give us a call. We're here to help.

WAKEFIELD EQUIPMENT

TigerStop™

Lineal Positioners for the Fenestration Industry



Get Fast, Get Accurate, Get Automated.



You want faster production- to save time and money.

You want every employee to easily make consistent, accurate measurements.

You want versatile equipment that works your way.

You want TigerStop. Get automated and get rid of your tape measurer!

Get automated, get productive.

It's simple: the more productive you are, the more successful you are. And today, automation is essential to productivity. Investing in **TigerStop** pays off immediately by increasing your productivity with automated measurements that are fast, accurate and consistent- so you produce more, with less waste.

Get versatile, get efficient.

Your shop should work your way: with **TigerStop**, it will. **TigerStop** automates almost any tool and setup- including table, miter, panel, and chop saws; boring and punching machines; and drill presses- and makes your production line faster by eliminating time wasted on manual processes. You can enter dimensions the way you want: in feet, inches, fractions or decimals, standard or metric. **TigerStop** also has a fully functioning calculator that adds, subtracts, multiplies and divides. By customizing **TigerStop** to your equipment, you'll be more efficient instantly.

TigerTalk (TigerStop)

"Accuracy is the key thing, and reduced operational errors. The TigerStop was dependable, reliable, and lived up to my production needs and capabilities. In fact, it improved production. I would buy another one."

– **Joe Mccord, Acme Window Products, Willowbrook IL**

"I'm using TigerStops on two double-miter saws, and on chop saws in the screen department, glazing department, and vinyl finishing department. TS is very small compared to other machines, it is user friendly and is far superior."

– **Craig Bachman, Champion Window Coverings, Denver CO**



TigerStop Specifications

Working lengths: 4' to 30'

(Custom length available at no upcharge. Overall length is 2' longer than working length.)

Power requirements: 110v @ 15 amps

Motor type: DC servo with optical encoder

Speed: Adjustable 10" ~ 35"/sec

Repeatability: +/- 0.004" (4/1000")

Number of cut lists/patterns: 99

Quantity per size: 999

Max number of sizes/positions: 2000

Measurement system: Inches & metric

Standard Features

- Set point stop mode
- Push feed mode
- Pattern mode
- Increment push
- 99 programmable hot keys
- 99 programmable cut lists

Upgrade options

- Standard interlock for semi-automatic operation
- Advanced interlock for fully automatic operation
- RS232 port for TigerSet communication
- Bar code reader
- TigerOptimizer & TigerLink for data download & optimization
- Label printing

