

TigerStop®

fast and accurate...every time

Metal Processing Equipment
Ferrous & Non-Ferrous

July 2016 Mk1

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Push i



t, Pull it, Position it

TIGERSTOP

Automated fence for material positioning for your industrial machinery

The product that started it all.

TigerStop®'s flagship product with over 30,000 in the field.

Its easy to use interface and mechanical design make it suited to any application where you need speed, accuracy and precision.

Push it, Pull it, Position it:
TigerStop® standard software lets you do it all.

Every TigerStop® product uses the same control system, so if your guys have used a TigerStop® (most of them have!), they will be able to use any product in the TigerStop® family.



Keeps Operators in the Zone

When operators are busy setting and resetting stops, they aren't cutting and they aren't making you money. TigerStop® keeps the operator at the saw and in the money making zone.



SPECS

Power Requirement
110 VAC @ 15 Amps, Isolated Circuit
208 VAC @ 20 Amps, Isolated Circuit
240 VAC @ 20 Amps, Isolated Circuit

Repeatable Accuracy
.004 in (.10 mm)

Motor Type
DC servo w/ optical encoder

Pushing Capacity
120 lbs (54 kg) w/ rollers
90 lbs (40 kg) w/o rollers

Drive Type
32 mm steel reinforced belt

Working Lengths
4 - 30 Feet (1.2 - 9.1 Meters)

Warranty
1 Year

Not Your Saw?

TigerStop® can be fitted to any machine tool where accuracy and repeatability are required.



Fast and Accurate...Every time

TigerStop® quickly positions to your desired length and cuts within +/- .004 in (.10mm) every time. The part you cut today will be the same as the part you cut tomorrow.

Eliminate Rework

With TigerStop®, you can say, "Goodbye" to rework! Your cutoff station can make your newest employee look like a seasoned sawyer.

Fast Payback and Exceptional ROI

Most users find that their new TigerStop® pays for itself in a matter of months.

ACCURACY*:

+/- .004 IN
.10 MM

CAPACITY:

Up to:
120 LBS
54 KG

MAX LENGTH:

30 FT
9 METERS

* Part tolerance may vary based on system.

SAWGEAR

Portable automated length measuring system

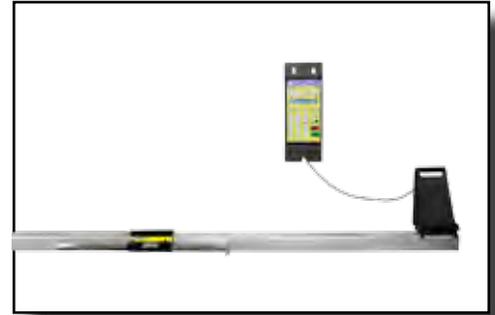
Simple and Intuitive Automation

SawGear® is your competitive advantage.

If you need a stop that is simple to use and rugged, SawGear is your answer.

With the Crown+MiterPro™ software, SawGear will easily calculate positions for angled or mitered parts. This makes manually nesting your angled parts a simple and math free process.

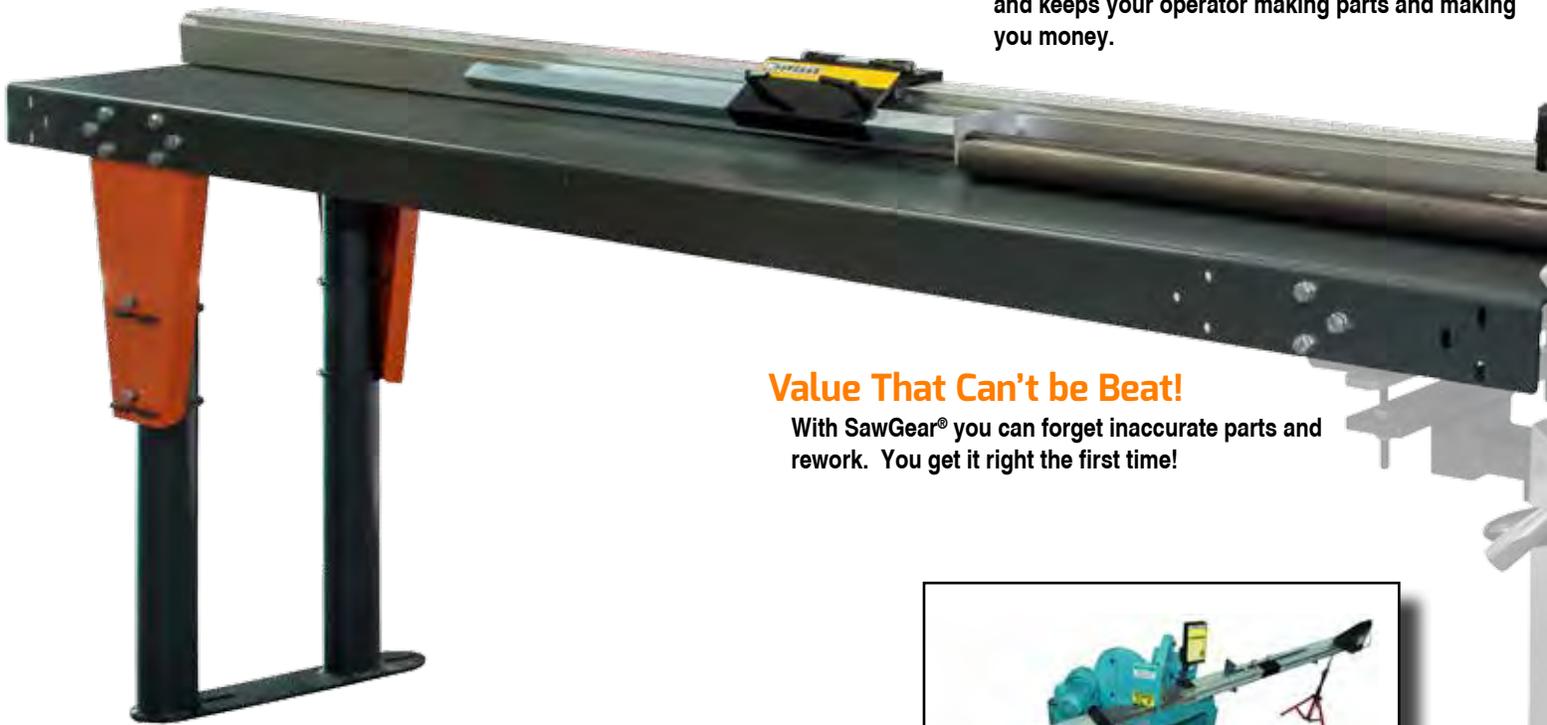
Any operator is your best operator with SawGear!



Remote Keypad allows you to mount your SawGear controls anywhere you need.

Station Setup Made Easy

Setting up your machine to run accurate parts is one of the most time consuming activities in your shop. SawGear takes stop setup time down to 0 and keeps your operator making parts and making you money.



Value That Can't be Beat!

With SawGear® you can forget inaccurate parts and rework. You get it right the first time!



Double Miter Pro™ provides an easy way to integrate your SawGear with your double miter saw.



SPECS

Power Requirement
110 VAC @ 10 Amps, Isolated Circuit

Repeatable Accuracy
.008 in (.20 mm)

Motor Type
DC servo w/ optical encoder

Pushing Capacity
Stop Only

Drive Type
32 mm steel reinforced belt

Working Lengths
8, 12 & 16 Feet (2.4, 3.6 & 4.8 Meters)
Custom lengths are available

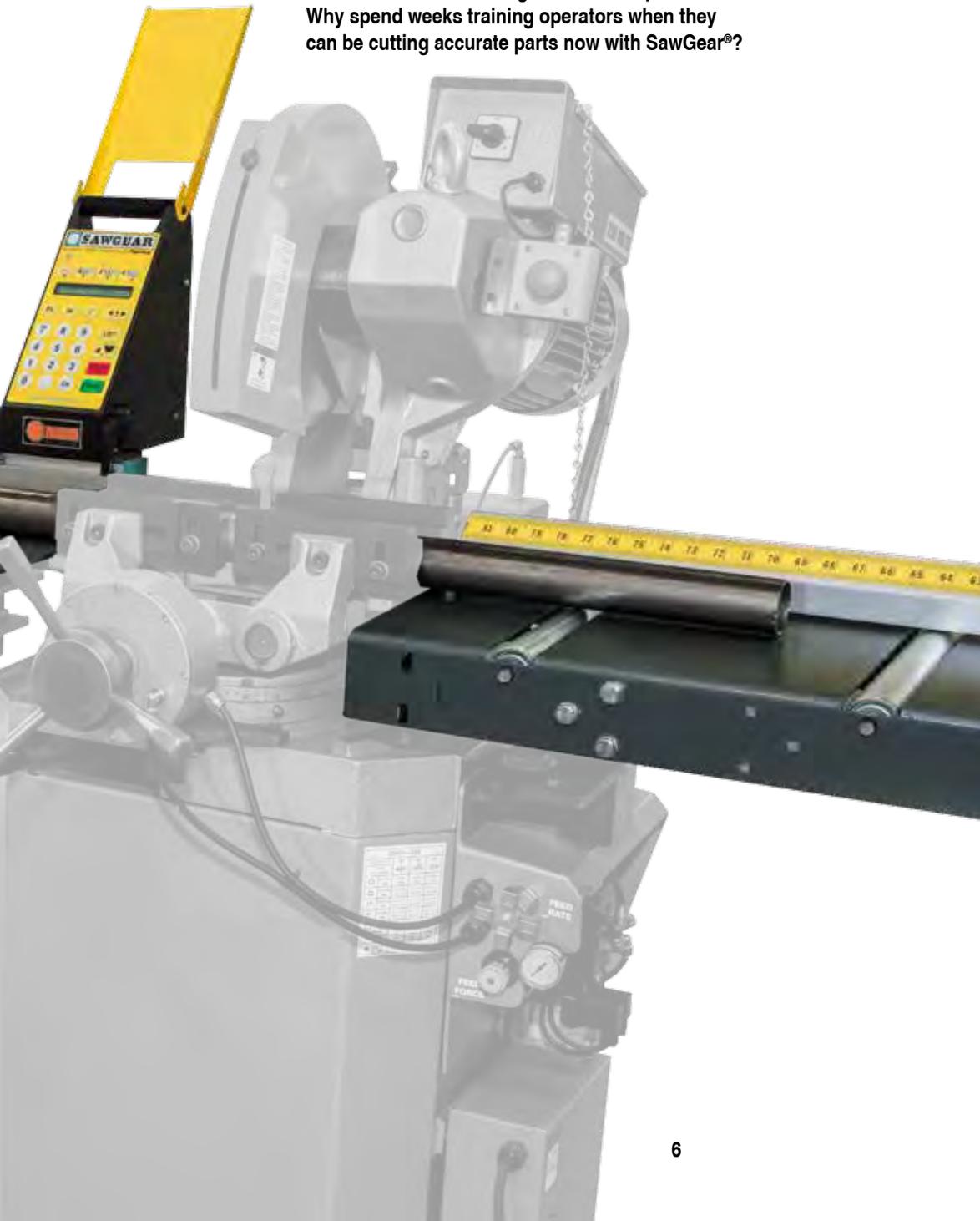
Warranty
1 Year

Ahead of Schedule

Not only do you get a better quality job, your guys get more done in the same hours... every day.

Simple to Use

SawGear® has been designed to be simple to use. Why spend weeks training operators when they can be cutting accurate parts now with SawGear®?



ACCURACY*:

+/- .008 IN
.20 MM

SPEED:

125 FT/MIN
38 M/m

MAX LENGTH:

16 FT
4.8 METERS

TIGERRACK

Automated fence for positioning material up to 720 lbs (326 Kg)

Accuracy and precision for heavier loads.

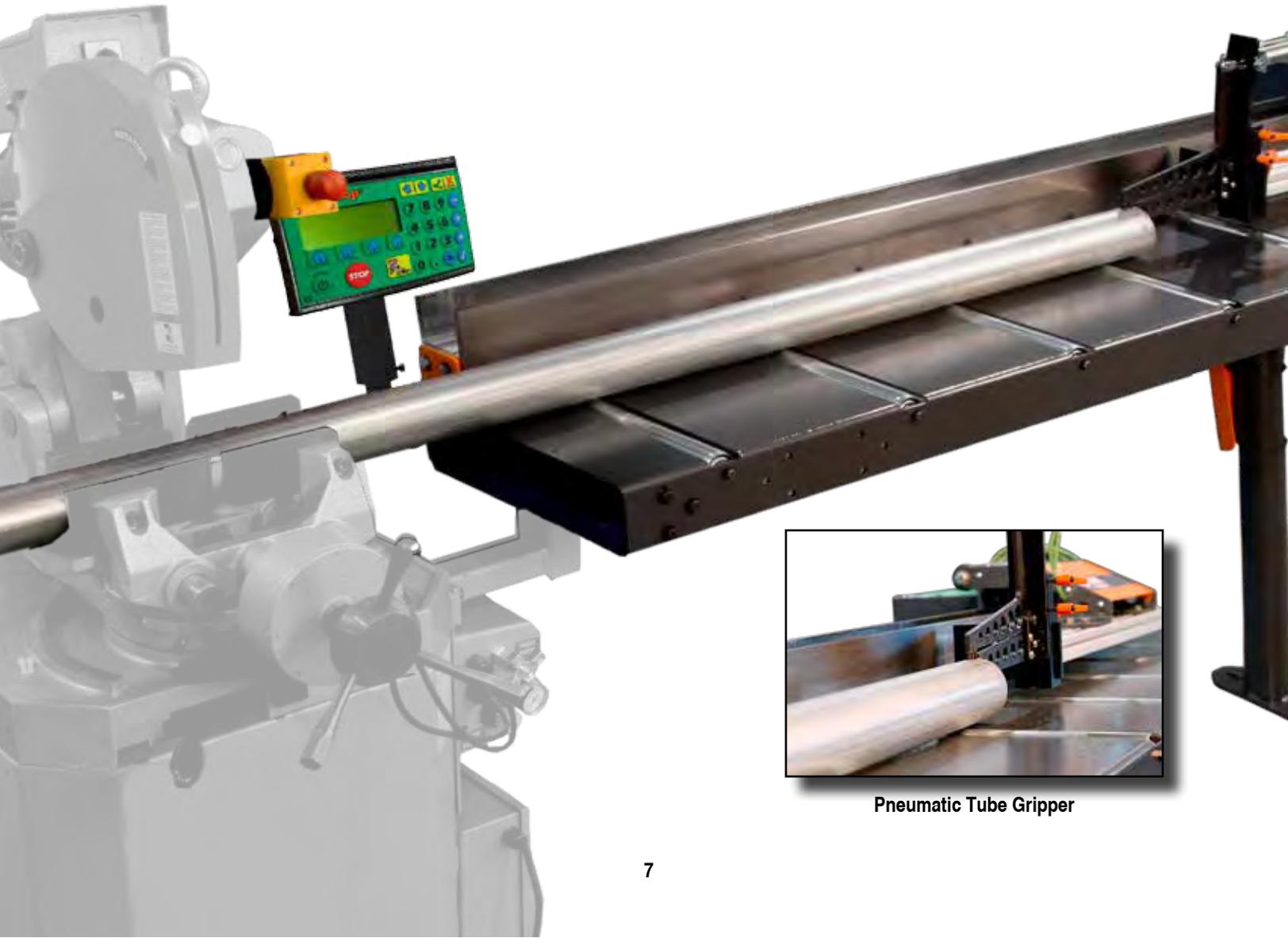
TigerRack™ offers precision, accuracy and speed for your industrial applications.

TigerRack™'s precision rack and pinion drive system will keep your production humming.

Designed for processing tube, bar stock and heavier materials.

Have a rough application? TigerRack™'s brake system helps guarantee that you don't end up miscutting parts.

Push it, Pull it, Position it.
TigerRack™ gets the job done!



Pneumatic Tube Gripper



SPECS

Power Requirement
208 VAC @ 20 Amps, Isolated Circuit
240 VAC @ 20 Amps, Isolated Circuit

Repeatable Accuracy
.008 in (.20 mm)

Motor Type
AC servo w/ optical encoder

Pushing Capacity
720 lbs (326 kg) w/ rollers
300 lbs (136 kg) w/o rollers

Drive Type
Rack & Pinion

Working Lengths
8 - 108 Feet (2.4 - 32.9 Meters)

Warranty
1 Year

Options



Brakes



Pneumatic Flip Away



ACCURACY:*

+/- .008 IN
.20 MM

CAPACITY:

Up to:
720 LBS
326 KG

MAX LENGTH:

108 FT
32.9 METERS

TIGERTURBO

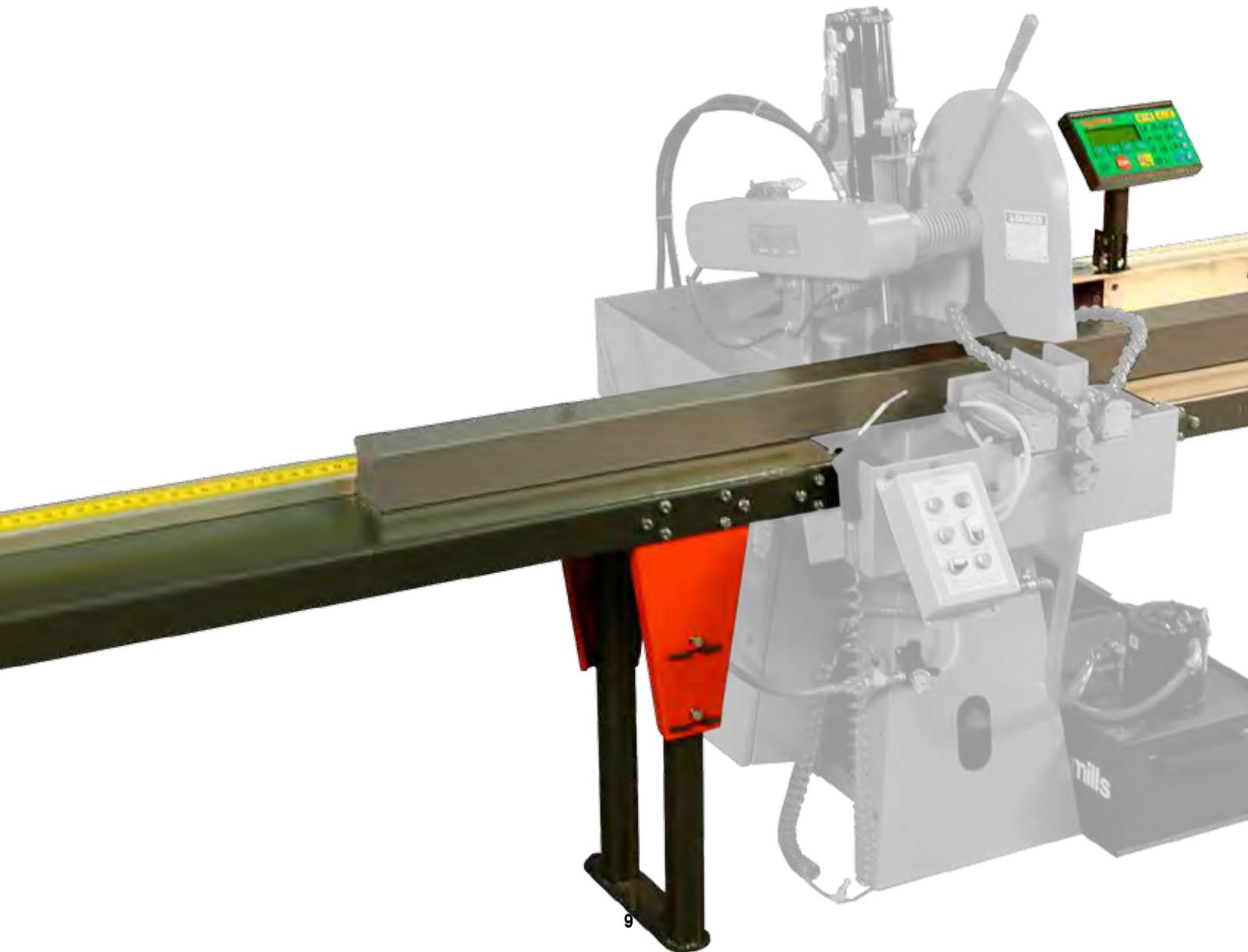
High speed automated feeder for positioning material up to 840 lbs (381 Kg)

High Speed and Heavy Loads

TigerTurbo™, big brother to the TigerStop®, offers higher speeds and increased load capacity.

If you need speed, TigerTurbo™ can operate at up to 180 feet per minute with its steel reinforced belt. If pushing capacity is your game, TigerTurbo™ can push 350 lbs (158 Kg) without rollers or 840 lbs (381 Kg) with roller tables.

When no other machine can push it, pull it, or position it, TigerTurbo™ get's the job done.





SPECS

Power Requirement
208 VAC @ 20 Amps, Isolated Circuit
240 VAC @ 20 Amps, Isolated Circuit

Repeatable Accuracy
.008 in (.20 mm)

Motor Type
AC servo w/ optical encoder

Pushing Capacity
840 lbs (381 kg) w/ rollers
350 lbs (158 kg) w/o rollers

Drive Type
75 mm Steel Reinforced Belt

Working Lengths
12 - 42 Feet (3.6 - 12.8 Meters)

Warranty
1 Year

High Speed Accuracy

We know what it's like to set and reset manual stops. If you're making one or two parts, that's fine. For those of us who need the 1st part to be the same as the 1000th, we use TigerTurbo. Fast and Accurate...every time.

As Much Machine as you Want

Add on any software feature at any time. Don't spend good money on features you may not use. Get the positioner now. Then get downloading and label printing when you need it. Then get Dynamic Optimization™ nesting software when you have arrived at the big time.



Too Much Work?

Do you have to decide wither to hire new employees or turn down work? There is a third option. Get a TigerTurbo™ and watch one employee do the work of 3. Couple that with one of the best ROI's for any machine tool, and the decision is a no brainer.

ACCURACY:*

+/- .008 IN
.20 MM

CAPACITY:

Up to:
840 LBS
381 KG

MAX LENGTH:

42 FT
12.8 METERS

* Part tolerance may vary based on system.

HEAVYDUTY2

Heavy duty automated feed system for positioning material up to 2100 lbs (952 Kg)

This is the big boy

Heavy Duty 2™, big brother to the TigerStop® and TigerTurbo™, offers higher maximum load capacity vs. other TigerStop® products.

For your heavy loads, get heavy duty power! The HD2™ offers 2100 lbs (952 kg) of pushing capacity. When no other machine can push it, pull it, or position it, HD2™'s rack and pinion drive get's the job done.





SPECS

Power Requirement
208 VAC @ 20 Amps, Isolated Circuit
240 VAC @ 20 Amps, Isolated Circuit

Repeatable Accuracy
.008 in (.20 mm)

Motor Type
AC servo w/ optical encoder

Pushing Capacity
2100 lbs (952 kg) w/ rollers
490 lbs (222 kg) w/o rollers

Drive Type
Rack & Pinion

Working Lengths
12 - 108 Feet (3.6 - 33 Meters)

Warranty
1 Year

Material Handling Made Easy

Think that hand loading and positioning is the only way to work with the big stuff? Think again. TigerStop® knows that accuracy is most important when you're building big. HeavyDuty 2™ gives you +/- .008 in (.20 mm) repeatable accuracy and does it quickly...every time.



Greater Throughput

When increasing production, you can add more stations or you can increase the throughput of your existing stations. That is what TigerStop® is all about. With a HeavyDuty 2™ attached to your existing workstation, you can increase your station throughput by 300%. With HeavyDuty 2™'s 2100 lbs (952 kg) of pushing power, you can also stack up material and process it as a pack for added throughput benefits.

Processing Flexibility

Are you setting angle iron against a stop for cutting? What about pushing tube stock through your drilling station? How about pulling stock through your punch die? HeavyDuty 2™ can do all three right out of the box. The only limit is your imagination.

ACCURACY:*

+/- .008 IN
.20 MM

CAPACITY:

Up to:
2100 LBS
952 KG

MAX LENGTH:

108 FT
32.9 METERS

TIGERSAW 2000

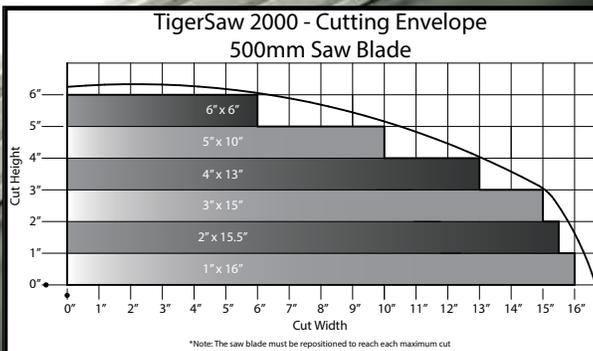
Automated Saw Station

Unparalleled Cut Quality

TigerSaw 2000™ is the perfect automated saw station for cutting all types of non-ferrous metals fast and accurately.

With multiple configurations, TigerSaw 2000™ can be configured to push up to 2100 lbs (952 kg). Improved pneumatic clamping options prevent damage to fragile or sensitive materials.

We take cut quality seriously. That's why TigerSaw 2000™ has an air over oil saw stroke cylinder and an industry leading mist coolant system that follows the blade to put coolant exactly where you need it. Take control of your cut.



TigerSaw Cutting Envelope



SPECS

Power Requirement

208 VAC @ 30 Amps FLA
240 VAC @ 30 Amps FLA
460 VAC @ 20 Amps FLA
480 VAC @ 20 Amps FLA

Repeatable Accuracy

.012 in (.30 mm)

Saw Blade Diameter

350 , 450 mm or 500 mm

Saw Motor Type

10 HP AC Saw Motor, CTEFC

Positioner Motor Type

DC servo w/ optical encoder (TigerStop)
AC servo w/ optical encoder
(TigerTurbo, HeavyDuty 2)

Pushing Capacity

2100 lbs (952 kg) w/ rollers
490 lbs (222 kg) w/o rollers

Drive Type

32 mm steel reinforced belt (TigerStop)
75 mm steel reinforced belt (TigerTurbo)
Rack & Pinion (HeavyDuty 2)

Working Lengths

4 - 108 Feet (1.2 - 32.9 Meters)

Warranty

1 Year

Mix and Match Clamping

TigerSaw 2000™ offers 3 clamping styles that can be used separately or together to deliver the exact clamping solution you need.

Accuracy at any Weight

TigerSaw 2000™ can be configured with a TigerStop®, TigerTurbo™ or a HeavyDuty 2™. Choose to outfit TigerSaw with pushing capacity of up to 2100 lbs (952 kg) or set it up for speed with a maximum pushing speed of 250 ft/min.



Adjustable Cutting Envelope

TigerSaw 2000™ features an unique adjustable cutting envelope which increases the range of material profiles you can cut. It comes with saw blades from 350 mm to 500 mm, with adjustable ranges from 5 x 6 inch to 1 x 15 in on a 450 mm blade and 6 inch x 6 inch to 1 inch 16 inch on a 500 mm blade.

Software to Increase Productivity

A high volume machine needs high volume software solutions. TigerSaw 2000™ connects to almost any design software to quickly load your parts lists. Then print custom information right on each part for easy identification. Don't feel like going back to your desk to load parts lists? Use the TigerTouch™ touch screen interface and take full command.

ACCURACY*

+/- .012 IN
.30 MM

CAPACITY:

Up to:
2100 LBS
952 KG

MAX LENGTH:

108 FT
32.9 METERS

* Part tolerance may vary based on system.

TIGERSAW FERROUS

Automated column saw system for ferrous metal cutting

Steel Cutting the TigerStop® way.

TigerSaw Ferrous™ is a ferrous cutting solution for 90 degree and miter cutting applications, tube, pipe, bar stock, or any other ferrous metals.

If production capacity is what you need, TigerSaw Ferrous™ can be equipped with a pneumatic material loader so you can just load and walk away.

Combine this with TigerStop®'s Dynamic Optimization™ on-the-fly nesting software, and you will have a lean, ferrous cutting work cell that reduces your scrap by up to 40% in some cases, and greatly increases productivity!

TigerStop® Positioning Accuracy

TigerSaw Ferrous™ comes equipped with a TigerStop® pusher system to achieve rapid, accurate positioning in a broad range of material length capacities. No matter what material you are cutting, there is a TigerStop® positioner for you.





SPECS

Power Requirement
208 VAC @ 27 Amps, Isolated Circuit
230 VAC @ 24 Amps, Isolated Circuit

Repeatable Accuracy
.010 in (.25 mm)

Motor Type
DC servo w/ optical encoder

Pushing Capacity
120 lbs (54 kg) w/ rollers
90 lbs (40 kg) w/o rollers

Drive Type
32 mm steel reinforced belt

Working Lengths
4 - 30 Feet (1.2 - 9.1 Meters)

Warranty
1 Year

ACCURACY:

+/- .010 IN
.25 MM

CAPACITY:

Up to:
120 LBS
54 KG

MAX LENGTH:

30 FT
9.1 METERS

* Part tolerance may vary based on system.

Loading / Unloading Systems

With the pneumatic material loading station, TigerSaw Ferrous™ can be loaded, then left to cut material with minimal operator interaction.

Downloading

From design to done, download your parts files to TigerSaw Ferrous™. Are you generating pattern cutting lists in the office? No problem! Easily send your custom pattern lists to your TigerSaw Ferrous™.

Dynamic Optimization™

TigerSaw Ferrous™'s optimizing program will scan your entire parts list and mathematically figure out the best way to nest your parts on-the-fly.

Printing

TigerSaw Ferrous™ can be equipped with a printer that will print customized part information for each finished piece.



High Efficiency Cutting Envelope

TigerSaw Ferrous™'s fully automated, heavy duty and precision column saw gives you great cut quality with the flexibility of a large cutting envelope. Manual adjustment allows you to cut miters from 60 degrees left to 45 degrees right.

TIGERANGLE

Automated compound miter saw system for optimizing and nesting angled parts



Automatic positioning with TigerStop™ pusher



Cover all the angles.

Cutting angles, especially compound angles, is no one's favorite job. Setting stops, setting angles, check and rechecking, what a waste of time! Instead of doing all that, you could be using TigerAngle™.

TigerAngle™, together with BeamWorks™ software, make it easy to design and cut custom compound miters and bevels. Just enter your parts and angles into BeamWorks™, and let TigerStop's powerful Dynamic Optimization™ nest the parts so that you will receive the maximum possible yield!

Beamworks™ can easily handle your data, even BIM files can be imported with ease.

TigerAngle™ can be configured with one or two angled axes for either simple or compound miters.



Automatic Retractable Guarding



SPECS

Power Requirement
208 VAC @ 27 Amps, Isolated Circuit
230 VAC @ 24 Amps, Isolated Circuit

Repeatable Accuracy
.012 in (.3 mm)

Motor Type
DC servo w/ optical encoder

Pushing Capacity
120 lbs (54 kg) w/ rollers
90 lbs (40 kg) w/o rollers

Drive Type
32 mm steel reinforced belt

Working Lengths
4 - 30 Feet (1.2 - 9.1 Meters)

Warranty
1 Year



Let the TigerStop® Dynamic Optimization™ find the best yield



ACCURACY:*

+/- .012 IN
.30 MM

CAPACITY:

Up to:
120 LBS
54 KG

MAX LENGTH:

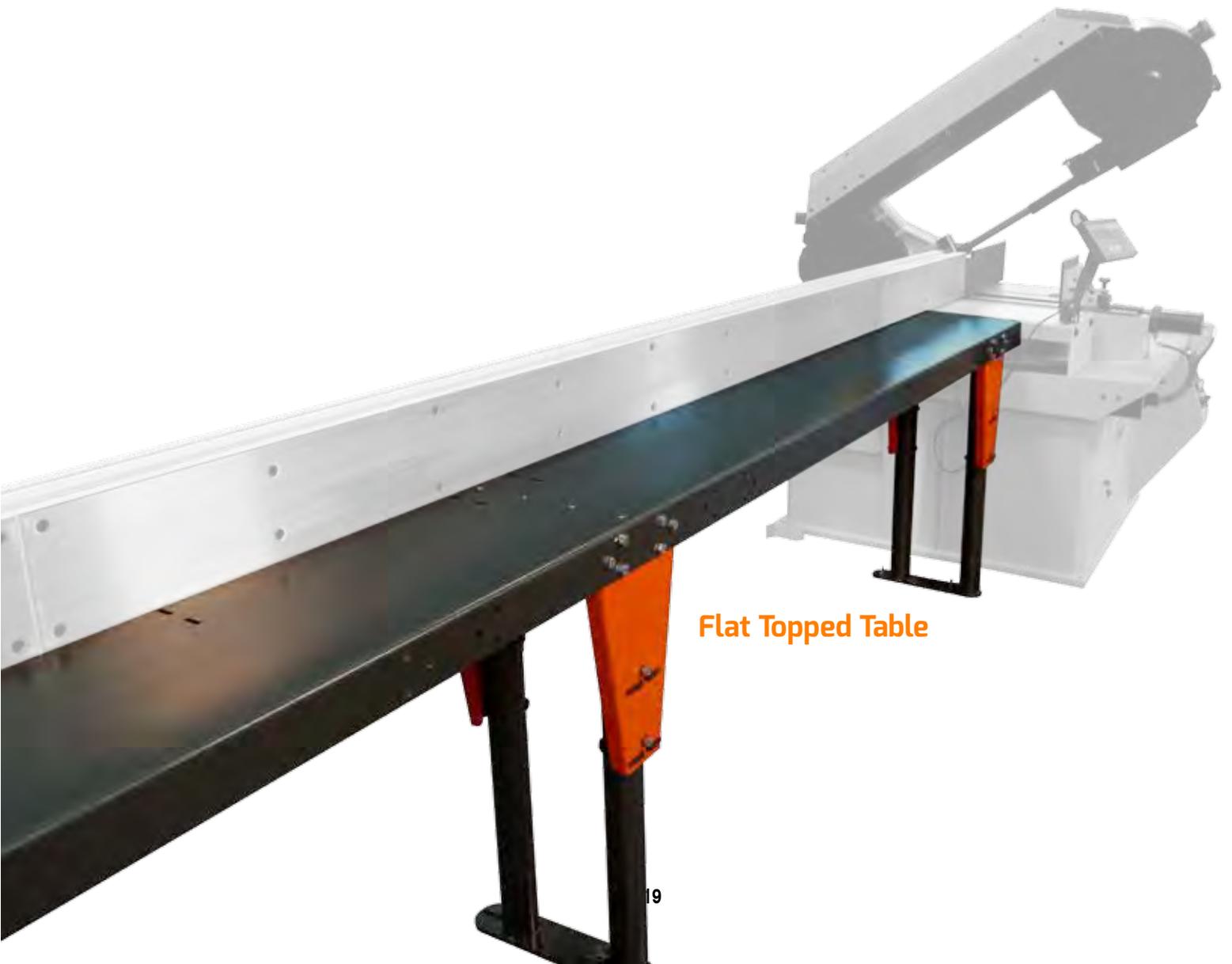
30 FT
9.1 METERS

TIGERSTOP TABLES

Only as Good as its Foundation.

TigerStop® made tables are the ideal foundation for your TigerStop® system. Made from 3/16 in cold rolled steel, these tables can be adjusted from a height of 35 to 45 inches. Each table is designed to attach to most tool types.

Style and design meet durability to make these tables the perfect material handling solution for the lean shop.



Flat Topped Table



SPECS

Material
3/16 in (4.7 mm) cold rolled plate steel

Height Adjustability
35 - 45 in (889 - 1143 mm)
Legs can be cut for shorter lengths

Available Widths
14.4 in (365 mm)
24 in (609 mm)
31 in (787 mm)

Table Extras
Steel Rollers
Plastic Coated Rollers
10° Tilt

Optional Accessories
Table Back Fence
Saw Attachment Plate
Universal Brackets for Mounting
Chop Saw Support Stand

Safety Matters

Roll conveyors are notorious for workshop injury. TigerStop®'s filled space between rollers improves safety, helping to prevent pinch injuries.

Safety Roller Table



HEIGHT:

35 to 45 IN
889 to 1143 MM

WIDTHS:

14.4, 24 & 31 IN
365, 609 & 787 mm

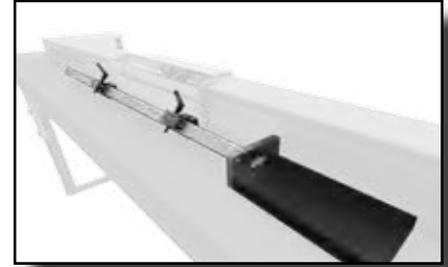
MATERIAL:

3/16 IN
4.7 MM
COLD ROLLED STEEL

ATTACHMENTS

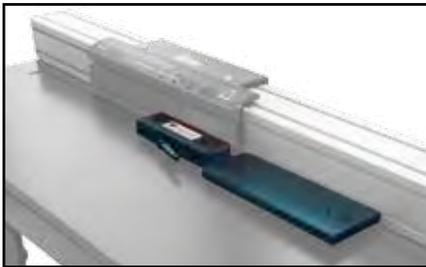
Find the Perfect Fit for your TigerStop®

If you have an application, you can bet that TigerStop® has an accessory to help push, pull or position your material. It doesn't matter if you have a TigerStop®, TigerTurbo™ or Heavy Duty 2™... we have a solution for you!



Mini Gangstop

The Mini Gangstop is designed to fit as many applications as possible. It can accommodate thin material, can be configured for pack sawing and can be adjusted based on part width. Extends the reach of TigerStop® by 6 - 24 inches (152 - 609 mm).



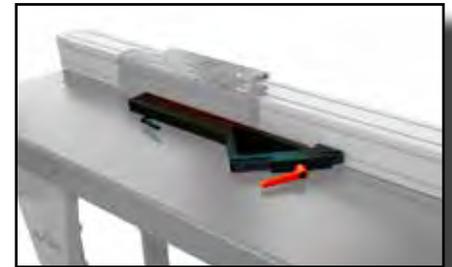
Pusher Foot

Extends reach of TigerStop® by 7 - 11 inches (177 - 279 mm).



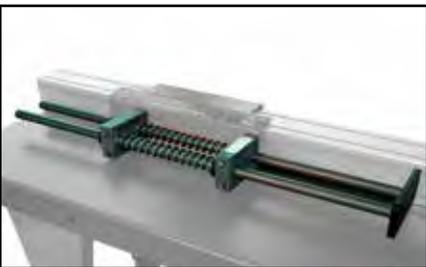
Extended Pusher Foot

Extends reach of TigerStop® by 7 - 30 inches (177 - 762 mm).



Miter Gauge

For any application where you need a 45 degree angled surface. The unique miter retention clip snugly holds your mitered pieces. Extends reach of TigerStop® by 1 - 13 inches (25 - 330 mm).



Spring Buffer

Use Spring Buffer when material being processed is heavy and damage may occur if an operator were to slam material against the stop. Spring Buffer will help extend belt life and cushion your TigerStop® against accidental impacts. Extends reach of TigerStop® by 3 - 16 inches (76 - 406 mm).



Gangstop

Want to process more than one piece at a time? The Gangstop will do the trick. This rugged unit has a built-in spring buffer to absorb reasonable loading shock and 4-way adjustment to guarantee perfectly aligned installation. Extends reach of TigerStop® by 6 - 21 inches (152 - 533 mm).



Extended Miter Gauge

With all the features of the Miter Gauge, the Extended Miter Gauge extends the reach of the pusher into the saw envelope and specifically into the clamping fixture to ensure 100% use of material. Extends reach of TigerStop® by 13 - 30 inches (330 - 762 mm).



Tube & Pipe Gripper

Extends the reach of the pusher into the saw envelope and specifically into the clamping fixture to ensure 100% use of material. Extends reach of TigerStop® or TigerRack™ by 12 -22 Inches (304.8 - 558.8 mm).



Pusher Miter Fence

Extends the reach of the pusher into the saw envelope and specifically into the clamping fixture to ensure 100% use of material. Extends reach of TigerStop® by 21 inches (533 mm).



Center Pusher

Extends the reach of the pusher into the saw envelope and specifically into the clamping fixture to ensure 100% use of material. Extends reach of TigerStop® by 21 inches (533 mm).



TigerTurbo/Heavy Duty 2 Pusher Foot

This pusher foot is designed for single piece processing with TigerTurbo™ or Heavy Duty 2™. This robust but lightweight attachment has the rigidity to ensure accurate parts while being easy to set up and adjust. Extends reach by 4 - 11 inches (101 - 279 mm).



TigerTurbo/Heavy Duty 2 Gangstop

Need to push more than one piece at a time? This Gangstop is your solution for TigerTurbo™ and Heavy Duty 2™. Extends reach by 4 - 18 inches (101 - 457 mm).

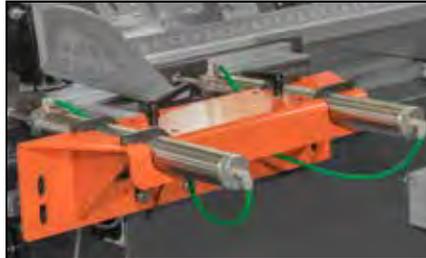


Spring Buffer Heavy Duty

If your material is heavy, or you think your operator might be hitting the machine too hard during loading, then the Spring Buffer Heavy Duty protects your machine and allows for multiple piece processing. Extends reach of TigerTurbo™ and Heavy Duty 2™ by 4 -18 inches (101 - 457 mm).

ACCESSORIES

TigerClamps



Spring Clamps



TigerStop® Clamping Options

TigerStop® has add-on manual and pneumatic clamping options to suit any application.

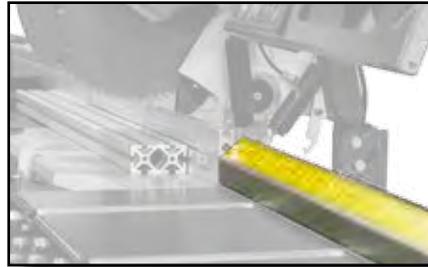
TigerClamps, combined with an Advanced Interconnect Kit, are an automatically controlled pneumatic horizontal clamping system that increases finished part accuracy and simplifies material handling. Clamps have a 12 inch (304.8 mm) stroke.

Spring Clamps are manual clamps with a spring steel or plastic clamp that can attach to almost any tool. Adjustable from 4 to 18 inches (101.6 to 457.2 mm)



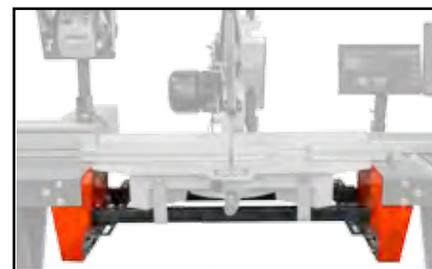
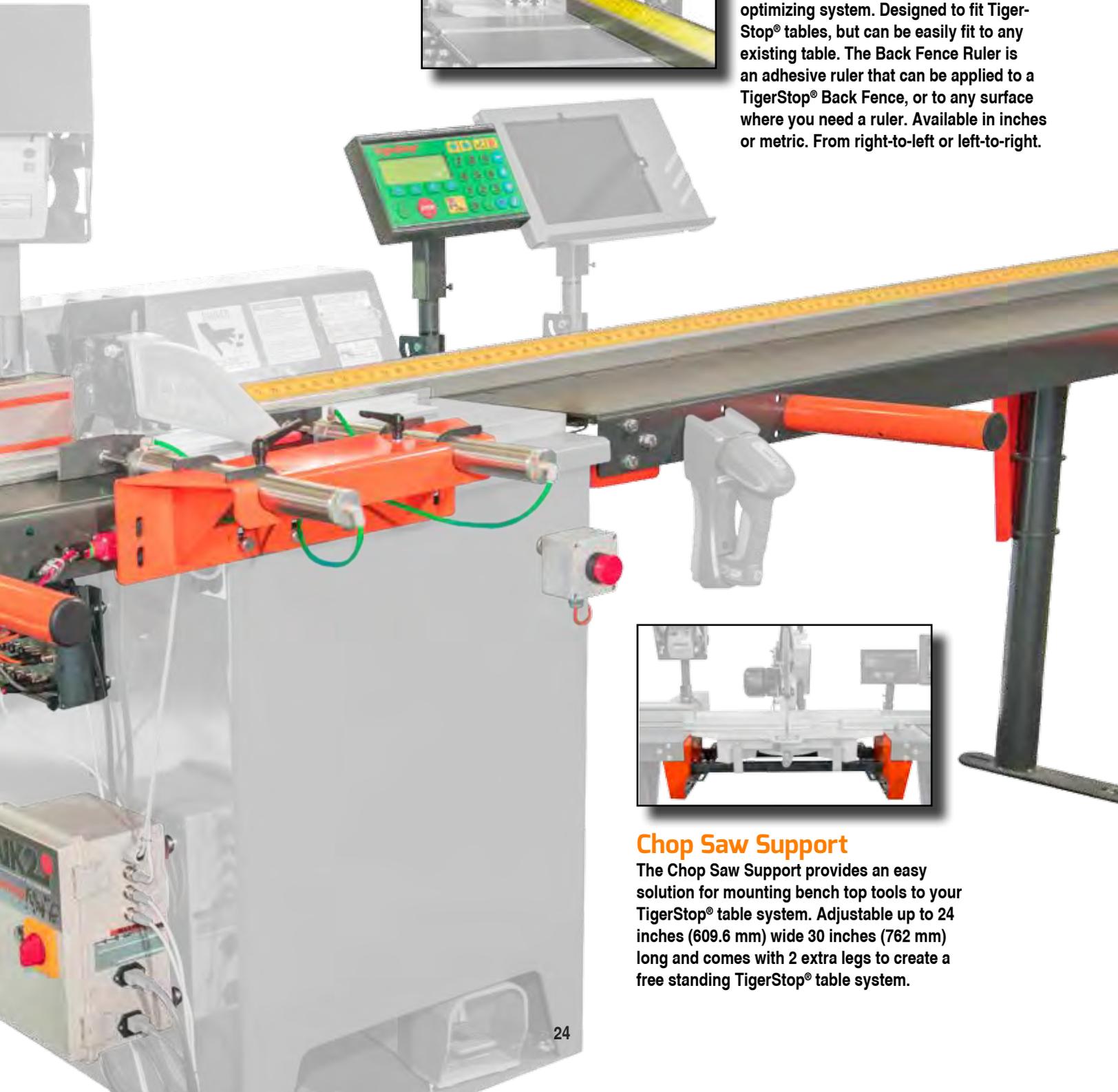
Advanced Interconnect Kit

The Advanced Interconnect Kit is a component that can turn your TigerStop® work cell into a fully automatic sawing system. This allows TigerStop® to take control of your tool and monitors your tools safety circuit. Advanced Interconnect Kit adds a safety kill line that is mounted across the TigerStop® table for a quick easy way to stop the system.



Back Fence & Back Fence Ruler

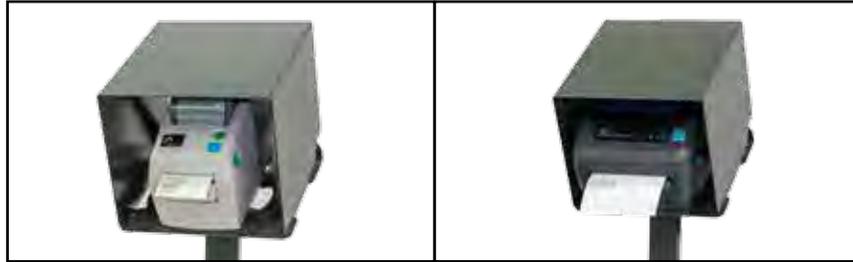
The TigerStop® Back Fence & Back Fence Ruler is an integral part of any TigerStop® optimizing system. Designed to fit TigerStop® tables, but can be easily fit to any existing table. The Back Fence Ruler is an adhesive ruler that can be applied to a TigerStop® Back Fence, or to any surface where you need a ruler. Available in inches or metric. From right-to-left or left-to-right.



Chop Saw Support

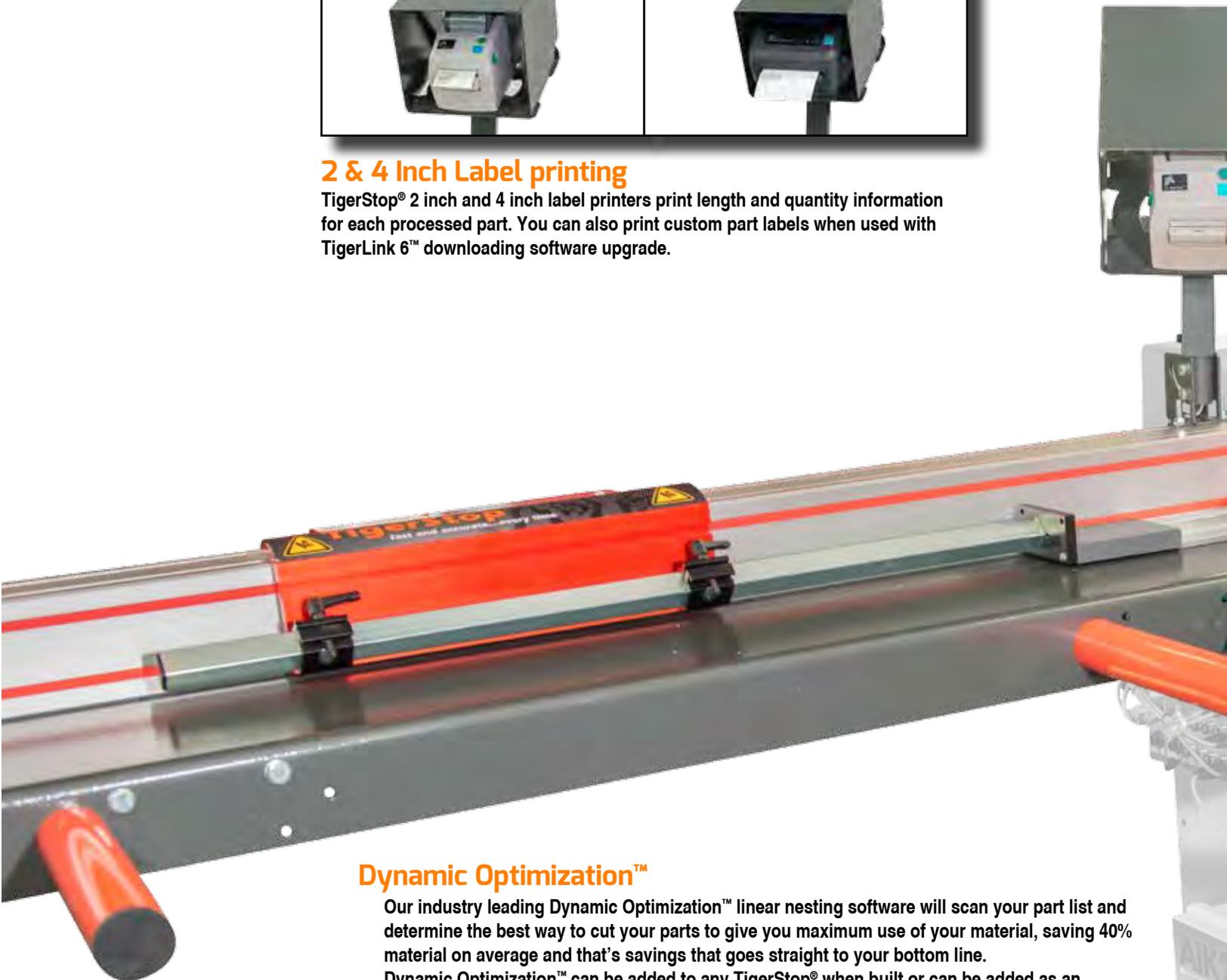
The Chop Saw Support provides an easy solution for mounting bench top tools to your TigerStop® table system. Adjustable up to 24 inches (609.6 mm) wide 30 inches (762 mm) long and comes with 2 extra legs to create a free standing TigerStop® table system.

SOFTWARE



2 & 4 Inch Label printing

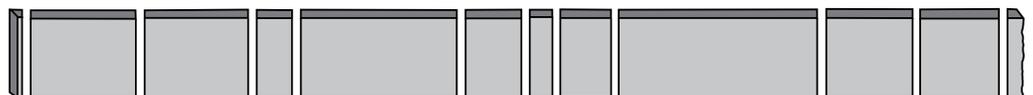
TigerStop® 2 inch and 4 inch label printers print length and quantity information for each processed part. You can also print custom part labels when used with TigerLink 6™ downloading software upgrade.



Dynamic Optimization™

Our industry leading Dynamic Optimization™ linear nesting software will scan your part list and determine the best way to cut your parts to give you maximum use of your material, saving 40% material on average and that's savings that goes straight to your bottom line.

Dynamic Optimization™ can be added to any TigerStop® when built or can be added as an upgrade at any time.





TigerTouch™

Turn your TigerStop® into a touch screen workstation. TigerStop®'s innovative new touch screen software, TigerTouch™, which runs on the Surface Pro 3, will give users a visual solution to the paper chase. Your operators can put away their paper crammed clipboards and get a new level of productivity and visibility. Combined with TigerLink 6™ downloading software, you can import job files from almost any design software straight to your TigerStop®. TigerStop®'s touch screen interface is backed up by TigerStop®'s industrial embedded control system for added reliability.



Barcode Scanner

Send TigerStop® to location, build part lists and download with a simple scan of a code 39 bar code. Available in wired or wireless.

DYNAMIC OPTIMIZATION

What Is Dynamic Optimization™?

Dynamic Optimization™ from TigerStop®, also known as linear nesting, is an instant and mathematically precise method of deciding what order to process parts to optimize material for yield.

Does Order Matter?

YES!

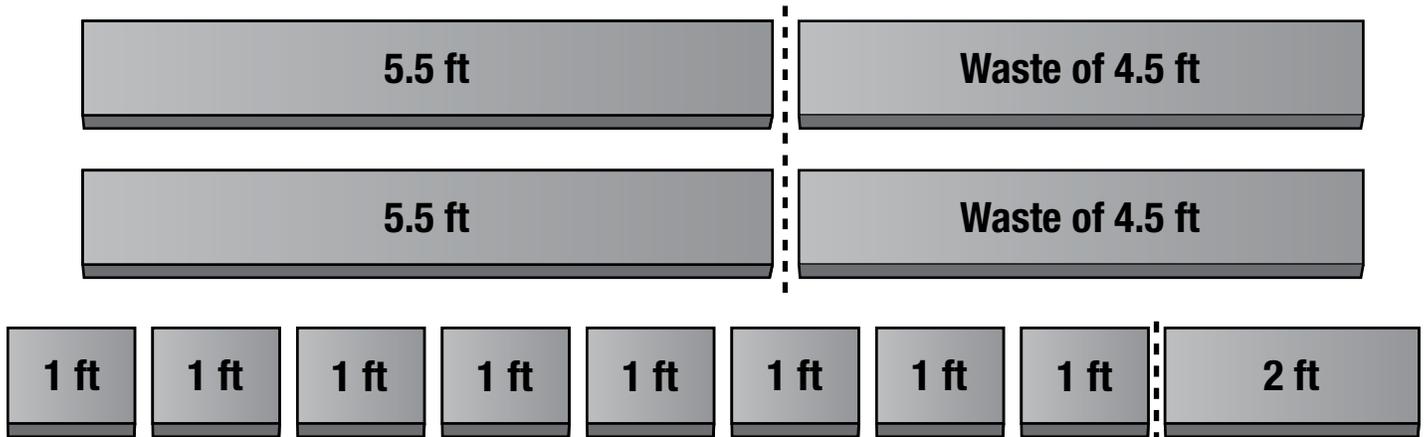
The order in which you cut your parts from your stock material can have a dramatic effect on your overall material yield.

Consider this example;

I am making a frame out of square stock, basically a rectangle box. I want to make it 5.5 ft wide and 1 foot high. So I need 4- 5.5 ft pieces and 8- 1 ft pieces to complete the frame. My stock comes in 10 ft lengths. Let's look at the ways to lay this out.

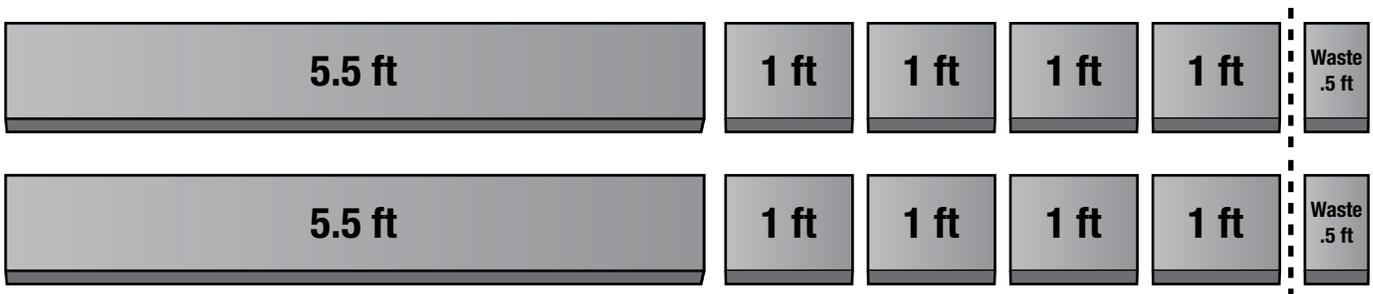
I could follow the list exactly;

That would leave me with 3- 10 ft. lengths of stock used and 11 ft. of waste.



Or I could optimize my material like this;

In this example, I use 2 pieces of stock and have only 1 ft. of waste.



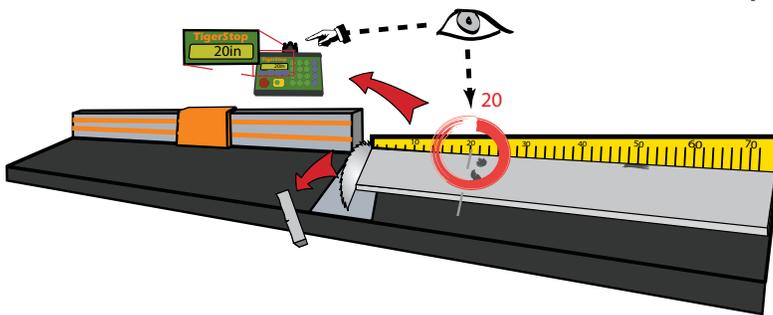
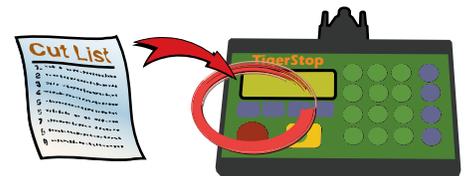
TigerStop®'s Dynamic Optimization™ will quickly figure out the best order to cut your parts so you always get the best material yield.

How Does This Help My Business?

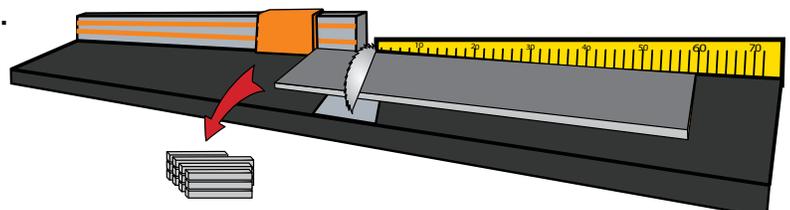
- Dynamic Optimization™ determines the best use of material, so the operator (unskilled worker or pro fabricator) only has to focus on feeding parts and cutting.
- TigerStop® moves to the correct position up to .004” so the operator never has to use a tape measure or set a manual stop ever again.
- TigerStop® reduces station setup time between different cut lengths and allows the operator to optimize for defects like forklift stabs, shipping damage, dents, or aesthetic blemishes, while getting optimal yield.
- TigerStop® increases accuracy. The operator doesn't have to worry about cutting errors or the associated costs of rework. Quality control concerns are no longer a bottleneck.
- Dynamic Optimization™ reduces scrap waste and shelving costs. Purchase less raw footage while sending fewer pounds back to the recycler.
- A TigerStop® Dynamic Optimization™ station can even be used by an unskilled worker. Top paid fabricators and skilled workers can better use their time managing the shop or doing work requiring greater expertise.

How Does it Work?

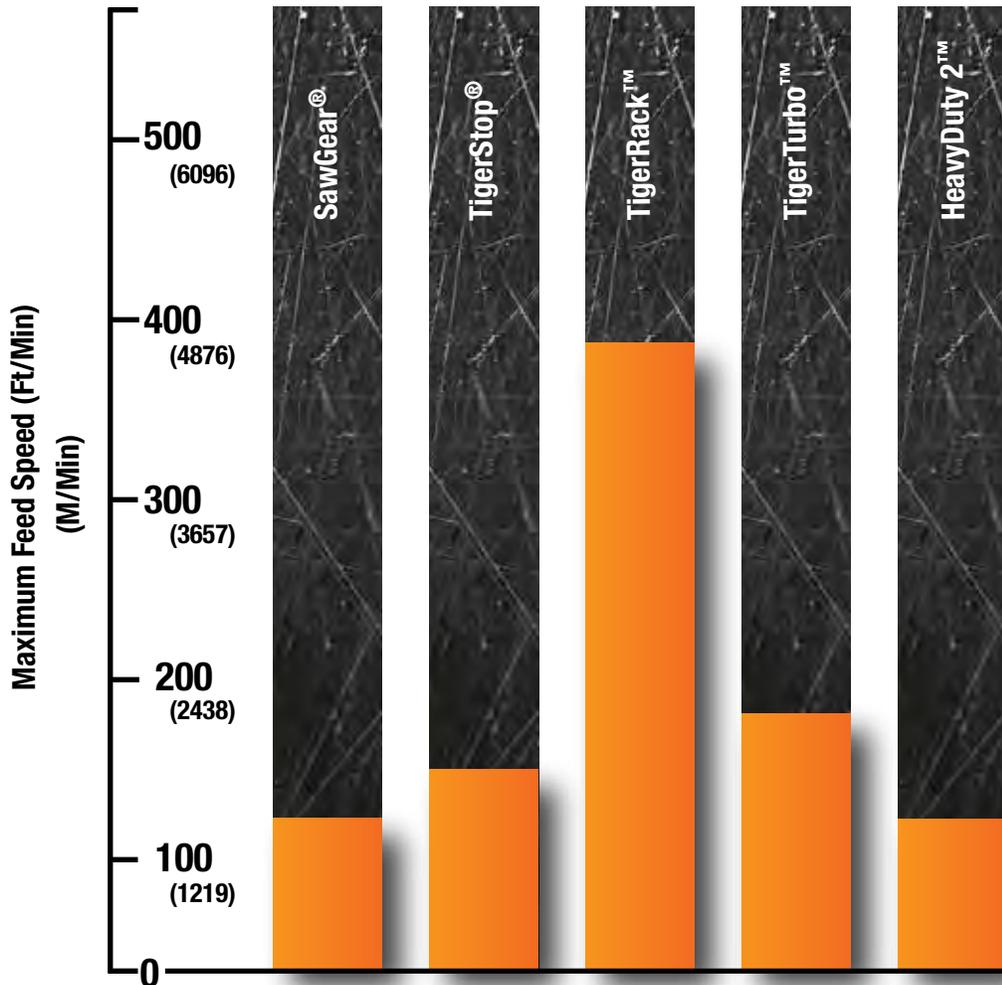
- First the operator enters his cutlist into the TigerStop®. He can do this manually or using the TigerLink 6™ downloading upgrade. Then he presses the done button.
- The operator grabs a piece of raw stock and makes a trim cut to square the raw edge. If there's an aesthetic defect in his material or a forklift stab he simply enters the distance from the trim cut to his first defect. TigerStop®'s Dynamic Optimization™ will use its proprietary algorithms to find the best yield of the material with the least amount of waste, and move to the correct position.



The operator feeds stock to the TigerStop®. When he reaches the first defect he cuts it out and enters the next usable clear length. He continues to make cuts until stock completion, only moving material and cycling the saw. He repeats until TigerStop® indicates the job in done.



SPECIFICATIONS



SawGear

SPECS

Power Requirement 110 Vac @ 10 Amps	Working Length 8, 12 & 16 ft (2.4, 3.6 & 4.8 M)
Accuracy +/- .008" (+/- 0.2 mm)	Country of Manufacture Made in America*
Drive Type 32 mm steel reinforced belt	Accuracy Validation National Institute of Standards and Technology Certified

TigerStop

SPECS

Power Requirement 110 Vac @ 10 Amps 208 Vac @ 20 Amps 240 Vac @ 20 Amps	Working Length 4 - 30 ft (1.2 - 9.1 M)
Accuracy +/- .004" (+/- 0.1 mm)	Country of Manufacture Made in America*
Drive Type 32 mm steel reinforced belt	Accuracy Validation National Institute of Standards and Technology Certified

TigerTurbo

SPECS

Power Requirement 208 Vac @ 20 Amps 240 Vac @ 20 Amps	Working Length 12 - 42 ft (3.6 - 12.8 M)
Accuracy +/- .008" (+/- 0.2 mm)	Country of Manufacture Made in America*
Drive Type 75 mm steel reinforced belt	Accuracy Validation National Institute of Standards and Technology Certified

TigerRack

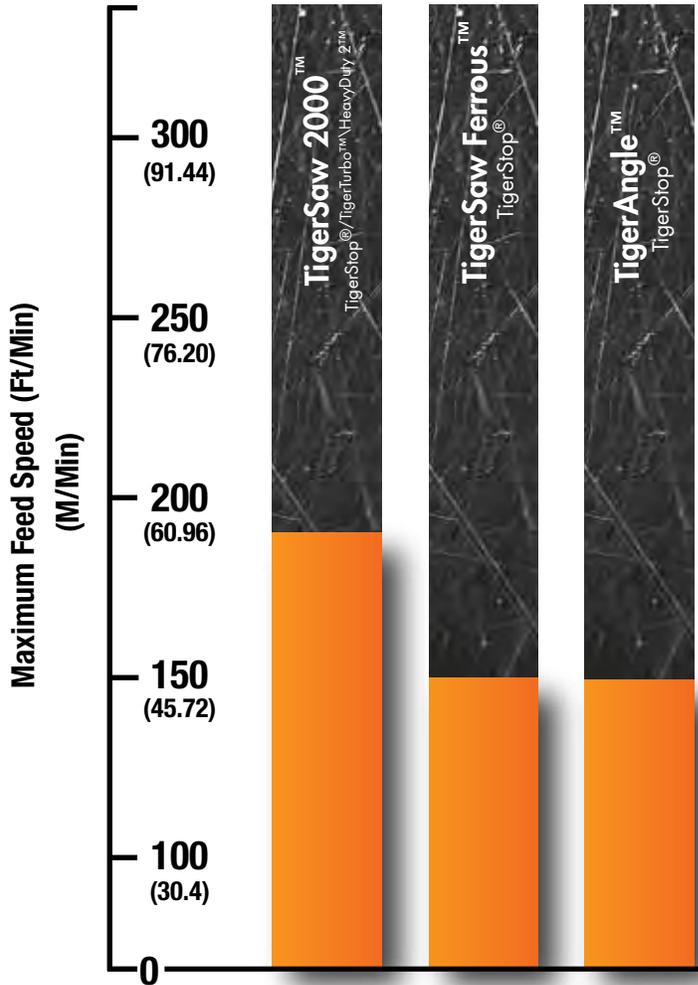
SPECS

Power Requirement 208 Vac @ 20 Amps 240 Vac @ 20 Amps	Working Length 8 - 108 ft (2.4 - 32.9 M)
Accuracy +/- .008" (+/- 0.2 mm)	Country of Manufacture Made in America*
Drive Type Rack & Pinion	Accuracy Validation National Institute of Standards and Technology Certified

HeavyDuty 2

SPECS

Power Requirement 208 Vac @ 20 Amps 240 Vac @ 20 Amps	Working Length 12 - 108 ft (3.6 - 33 M)
Accuracy +/- .008" (+/- 0.2 mm)	Country of Manufacture Made in America*
Drive Type Rack & Pinion	Accuracy Validation National Institute of Standards and Technology Certified



TigerSaw 2000

SPECS

Power Requirement 208 Vac @ 30 Amps 240 Vac @ 30 Amps 460 Vac @ 20 Amps 480 Vac @ 20 Amps	Working Length 4-30 ft (1.2-9.1 M) (TigerStop) 12-42 ft (3.6-12.8 M) (TigerTurbo) 12-108 ft (3.6-33 M) (HeavyDuty 2)
Accuracy +/- .012" (+/- 0.3 mm)(TigerStop) +/- .016" (+/- 0.4 mm)(TigerTurbo) +/- .016" (+/- 0.4 mm)(HeavyDuty 2)	Feed Speed 150 ft/m (45.72 M/m) (TigerStop) 180 ft/m (54.86 M/m) (TigerTurbo) 125 ft/m (38.10 M/m) (HeavyDuty 2)
Max. Push Capacity 120 lbs (54 kg) (TigerStop) 840 lbs (381 kg) (TigerTurbo) 2100 lbs (952 kg) (HeavyDuty 2)	Country of Manufacture Made in America*
Accuracy Validation National Institute of Standards and Technology Certified	

TigerSaw Ferrous

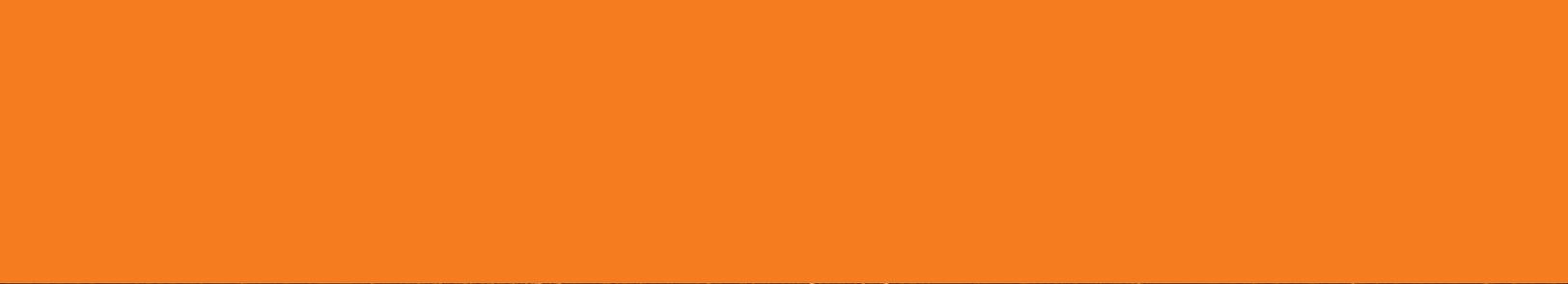
SPECS

Power Requirement 208 Vac @ 30 Amps 230 Vac @ 30 Amps	Working Length 4-30 ft (1.2-9.1 M) (TigerStop)
Accuracy +/- .010" (+/- 0.25 mm)(TigerStop)	Feed Speed 150 ft/m (99 M/m) (TigerStop)
Max. Push Capacity 120 lbs (54 kg) (TigerStop)	Country of Manufacture Made in Netherlands**
Accuracy Validation National Institute of Standards and Technology Certified	

TigerAngle

SPECS

Power Requirement 208 Vac @ 30 Amps 230 Vac @ 30 Amps	Working Length 4-30 ft (1.2-9.1 M) (TigerStop)
Accuracy +/- .012" (+/- 0.3 mm)(TigerStop)	Feed Speed 150 ft/m (99 M/m) (TigerStop)
Max. Push Capacity 120 lbs (54 kg) (TigerStop)	Country of Manufacture Made in Netherlands**
Accuracy Validation National Institute of Standards and Technology Certified	



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