

TigerStop®

fast and accurate...every time



2017 CATALOG

The TigerStop

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 easyTo 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.

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

Fast Payback and Exceptional ROI
Most users find that their newTigerStop® pays for itself in a matter of months.

Fast and Accurate...EveryTime

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

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

Not Your Saw?

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

Keeps Operators in the Zone

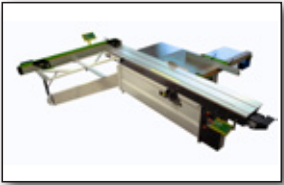
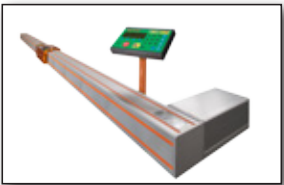
When operators are busy setting and resetting stops, they aren't cutting and they aren't making you money. TigerStop® keeps the operator at the saw and in the money making zone.

TigerStop
Automated fence for material positioning for your industrial machinery

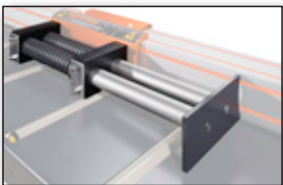


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Products

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Accessories

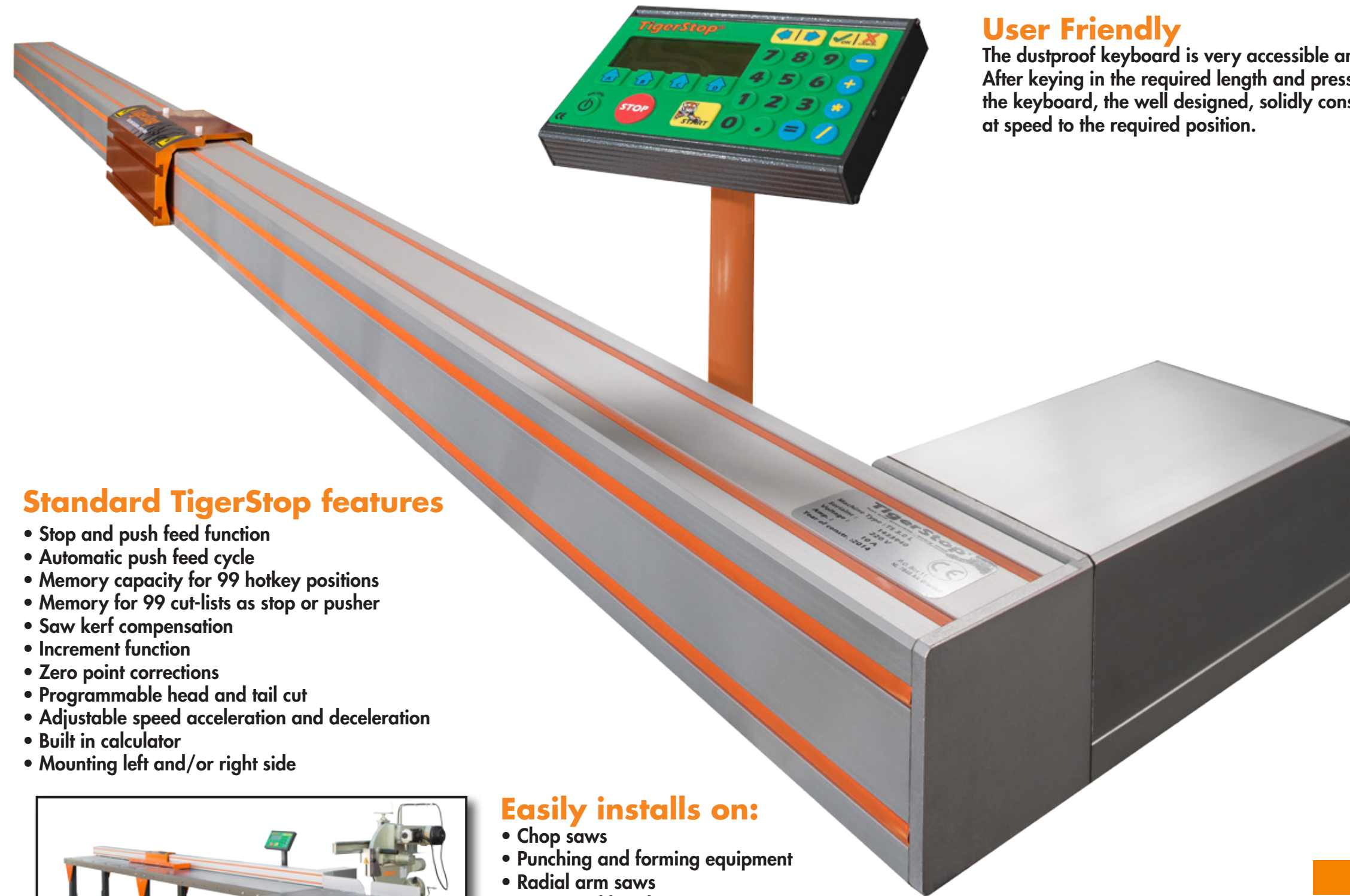
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Saw systems

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TigerStop automatic stop/gauge and pusher system

Fully automatic and accurate programmable stop or feed positioning system. Easy and quick to mount on every machine in the wood, pvc, aluminium and metal industry.



User Friendly

The dustproof keyboard is very accessible and easy to operate. After keying in the required length and pressing the start button on the keyboard, the well designed, solidly constructed trolley moves at speed to the required position.

Arms:

Extended Arm

Easy to attach to the flip away stop. Positions the material to Zero Point
Used for Set Point and Push Feed functions. Other lengths available on request



See page 12

Spring buffer

To facilitate the handling of heavier pieces of material. Choice between 2 standard lengths to position to Zero Point (longer available on request)



See page 12

Tables:

A good stable base for your TigerStop
Loads up to 800kg.
Available with and without rollers, tilted or straight.



See page 16

TigerStop

Repeatable Accuracy
0.1mm

Power Requirement
220 V 50Hz Isolated Circuit
Drive Type

32 mm Steel Reinforced Belt
Working Lengths
2.0, 3.0, 4.0, 4.85, 6.85,
8.5, 9.2 meters

Motor Type
DC servo w/optical encoder
Pushing Capacity
up to 80kg

Standard TigerStop features

- Stop and push feed function
- Automatic push feed cycle
- Memory capacity for 99 hotkey positions
- Memory for 99 cut-lists as stop or pusher
- Saw kerf compensation
- Increment function
- Zero point corrections
- Programmable head and tail cut
- Adjustable speed acceleration and deceleration
- Built in calculator
- Mounting left and/or right side



Easily installs on:

- Chop saws
- Punching and forming equipment
- Radial arm saws
- Horizontal bandsaws
- Upcut saws
- Bending machines
- Drill presses
- Mortisers
- Miter saws
- Tenoners
- Boring equipment

Accuracy 0.1 mm

Max Length 9.1m

Capacity 80kg

Advantage

TigerStop reduces costly errors, increases productivity, improves quality, eliminates stop set-up times giving a fast payback with reliability.

Portable automated length measuring system

From Framing to Finish

SawGear® is your competitive advantage.

Get TigerStop® accuracy and dependability on the job site in this highly portable system.

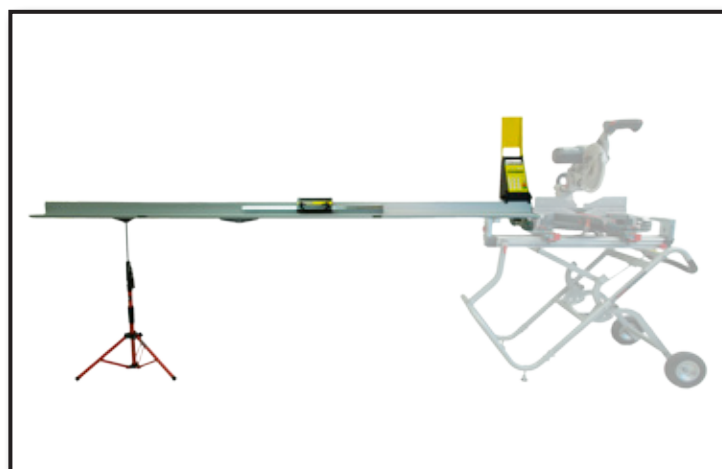
SawGear® is easy to setup and easy to use whether you are doing framing or finish.

With the Crown+MiterPro™ software, you can quickly and easily do complex finish jobs. Train a novice to cut finish grade crown in a matter of hours.



A smart addition to any model chop saw, up cut saw, band saw, radial arm saw, drilling, punching, mortising or boring machine.

Installs easily on your hardware



SawGear is lightweight it can be used on the go



For a stationary installation TigerStop B.V. tables are recommended

Portable

When purchased with a SawGear® table system, SawGear® sets up in minutes and is built rugged and ready for job site use.

Ahead of Schedule

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

Job site Accuracy That Cant be Beat!

With SawGear® on your job site you can forget measure twice, cut once. Just cut it right the first time!

Don't Measure, Don't Mark, Just Cut

How many times a day do you pull your tape measure? Not to mention, your speed square and pencil! Now you just enter a dimension and cut.

Portable and Rugged

Designed to easily automate your new and existing machinery, giving you repeatable accuracy in any positioning application.

Portable and Job Site Rugged:

Sets up in minutes and built rugged enough for job site use.

Accurate:

Plus minus 0.2mm repeatable accuracy for dead-on cuts every time.

Easy to Use:

Takes just minutes to set up and learn.

Adaptable:

Fits your miter saw and stand either to the right or left of the saw.

Theft Resistant:

Anti-theft system makes unit worthless to a thief.

Stores Cut Lists:

Ten lists of up to 10 cut dimensions each; great when working on identical units.

Miter System:

Makes casing windows and doors a snap.

Safety:

Anti-pinch system helps prevent injuries.

Speed:

40m/min. You won't be waiting to make a cut.

Ideally suited for:

- Framing
- Forming
- Finish Carpentry
- Cabinetry
- Installation
- Siding
- Trim
- Tube and Pipe Cutting
- Extrusion Cutting

SawGear

Repeatable Accuracy

0.2mm

Power Requirement

220 V 50Hz

Drive Type

32 mm Steel Reinforced Belt

Working Lengths

2.5, 3.6, 4.8 meters

Accuracy

0.2mm

Max Length

5.4m

Heavy Duty

Advised Accessories

Arms: Extended Arm

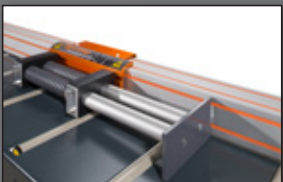
Easy to attach to the flip away stop. Positions the material to Zero Point
Used for Set Point and Push Feed functions. Other lengths available on request



See page 12

Spring buffer

To facilitate the handling of heavier pieces of material.
Choice between 2 standard lengths to position to Zero Point (longer available on request)



See page 12

Tables:

A good stable base for your TigerStop. Loads up to 800kg.
Available with and without rollers, tilted or straight.



See page 16

Heavy Duty

Repeatable Accuracy
0.2mm
Power Requirement
220 Vac
Drive Type
Rack and Pinion
Working Lengths
2.4, to 21 meters
Motor Type
DC servo w/optical encoder
Pushing Capacity
up to 600kg

User Friendly

The dustproof keyboard is very accessible and easy to operate. After keying in the required length and pressing the start button on the keyboard, the well designed, solidly constructed trolley moves at speed to the required position.

Advantage

TigerStop reduces costly errors, increases productivity, improves quality, eliminates stop set-up times giving a fast payback with reliability.

Stops

Depending on your material needs several stops are available.

Accuracy and precision for heavier loads.

Heavy Duty offers precision, accuracy and speed for your industrial applications.

Heavy Duty'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?
Heavy Duty's brake system helps guarantee that you don't end up miscutting parts.

Push it, Pull it, Position it.
Heavy Duty gets the job done!

Accuracy

0.2mm

Max Length

21m

Capacity

600kg

Easily installs on:

- Bending machines
- Chop saws
- Drilling presses
- Punching and forming equipment
- Mortisers
- Miter saws
- Radial arm saws
- Tenoners
- Horizontal bandsaws
- Boring equipment
- Upcut saws

Tiger Fences

Tiger CrossCut

Profile size	108 x 108 mm
Precision	0,1 mm
Voltage	220 Volt 50 Hz
Speed	30 - 250 mm/sec
Programs	up to 99 lists
Display	4 line LCD
Working length	stop 1: 1625mm stop 2: 3150mm

Save time

Just think how much time your sawyer will save by not having to set, reset and readjust your rip fence. Now each time your operator needs to move the fence to a precise position, all he has to do is punch in the width of the part and hit the "Start" key and TigerFence moves to the precise position (0.08 mm repeatable accuracy), the first time...every time. TigerFence is a retrofit to your sliding or standard table saw.

Automate ripping on your sliding table saw, and at the same time increase accuracy. Instead of walking to the other side of the saw to adjust the rip fence, your operator just punches in the width of the rip, hits START, and TigerFence moves to that precise position. TigerFence fully replaces your existing rip fence and gauge.

Easily installs on:

- Sliding table saws
- Cabinet saws
- Table Saws
- Shapers (as front fence)
- Tenoners
- Raised panel
- equipment

Fences

Repeatable Accuracy	0.1mm
Power Requirement	220 Vac @ 8 Amps
	50/60 Hz Isolated Circuit
Drive Type	19mm hi-lead screw drive
Working speed	Up to 250mm per second
Motor Type	DC full loop servo w/optical encoder



Better accuracy

With its powerful screw drive and compact size, the TigerCrossCut (TCC) is the perfect solution to automate crosscutting on your sliding table saw or chop saw. The TCC fits most brands of sliding table saws. Offering increased accuracy, the TCC can be the perfect solution when a high accuracy stop is required. The TCC is not designed for push feed applications. With a range of 60" at the first stop, the range increases to 120" at the second stop when fully extended.

Can be installed on most saws including:

Altendorf®, Bauerle™, Casadei™, Chambon™, Delta®, Ema™, Forma™, Giben®, Griggio™, Grizzley®, HolzHer®, Jet™, Kamro™, Kufo™, Laguna™, Lazzari™, Lobo™, Martin™, Minimax™, Panhans™, Paolini™, Powermatic®, Robland™, Rojek®, Sac™, SawStop®, SCM™, Sicar™, Stema™, Watkin™, and many other brands.

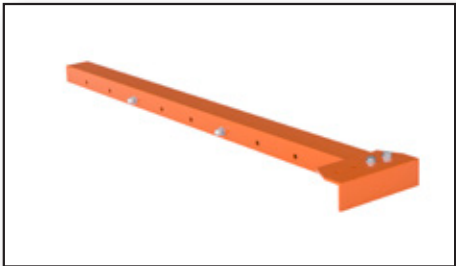
The above trade names are the property of their respective owners and not related to nor property of TigerStop
Some models may require purchaser to modify attachment for installation.

TigerFence

Profile size	108 x 108 mm
Precision	0,1 mm
Voltage	220 Volt 50 Hz
Speed	30 - 250 mm/sec
Programs	up to 99 lists
Display	4 line LCD
Working length	1270mm / 1550mm

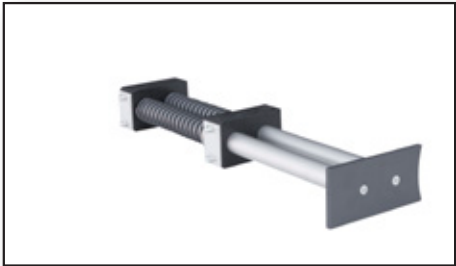
Handling your materials

Depending on your material several pusher arms are available.



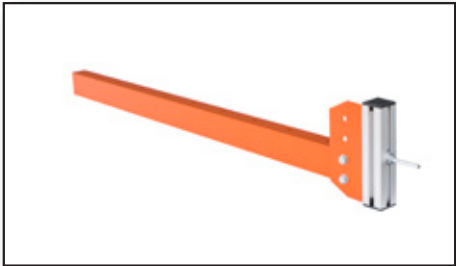
Extended Arm 100 cm

Easy to attach to the flip away stop.
Positions the material to Zero Point.
Used for Set Point and Push Feed functions.
Other lengths available on request.



Spring Buffer 70 / 100 cm

To facilitate the handling of heavier pieces of material.
Choice between 2 standard lengths to position to Zero Point (longer available on request).



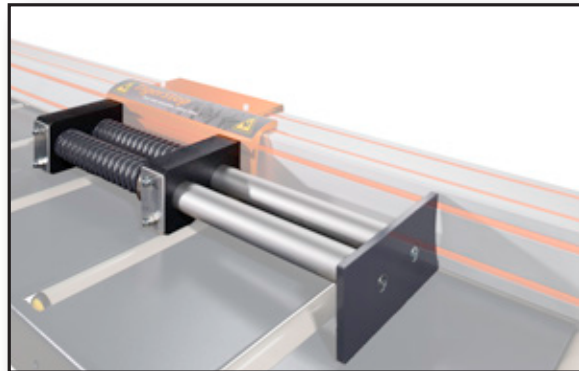
Stop arm for Single-end tenoning

With height adjustable stop.



Pneumatic tiltable arm

With height adjustable stop.



Find the perfect fit for your TigerStop

If you have an application, you can bet that TigerStop has an accessory to help you push, pull or position your material.



Find the perfect fit for your TigerStop

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



TigerOptimizer

Optimizing software package
Allows for optimisation of material through user adjustable modes to provide the best yield of materials.
The software is pre-programmed in the controller.

Label Printer and Software package

Prints text or bar-codes with text labels for your parts.
Automatically strips self-adhesive labels for easy application to your finished pieces.
(Requires Tigeroptimizer)



2" Label Printer



4" Label Printer

Bar code Scanner

Send the Tigerstop to position by scanning a bar code with the required length. Includes required cables, etc...



Wired Barcode scanner



WirelessBarcode scanner

Telemeter

Electronic measuring gauge to measure lengths transmitting them wireless to the TigerStop.
Direct control over the TigerStop, or storage of lengths into the list memory. Expansion with TigerStop level 3 software for optimizing lengths available.
Up to 8 telemeters can be used simultaneously in the same factory floor.
Measuring lengths up to 2800mm.



Telemeter



Telemeter mounting brackets

Ethernet to serial converter

To drive one or two TigerStop through your LAN.



Short Haul Modem Set

If your computer is further than 15 meters from the TigerStop, you need a short haul modem set to insure good communication between them. The customer has to supply the cable (in red on image) between the modems.



USB to serial converter

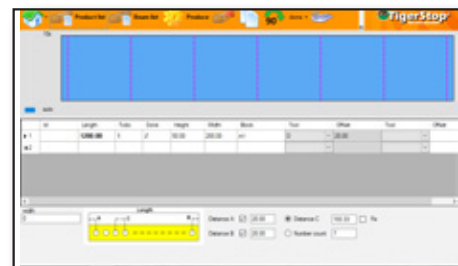


IO Panel



TigerLink 6

Download software package
Do you use design and cut listing software or Excel?
Combine cut lists or download multiple cut lists to multiple TigerStop cut list locations simultaneously.



Beamworks

Software
Software for machining pieces with different successive tools like saws, drills, mills. All this in combination with the TigerStop automated push feed device.
A simple product list is used to direct the TigerStop for positioning and relay machinery activation.
Importing files from excel (or other tabulation programs) and some draw programs is possible.



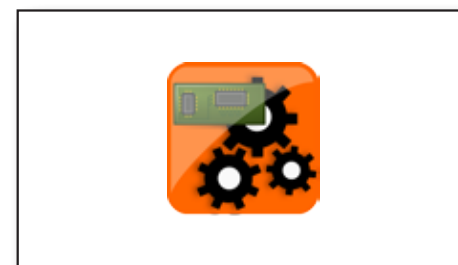
Tiger X-Y

Includes TigerSet



Tiger Touch

Software



Tigerstop automatic machine start

Software



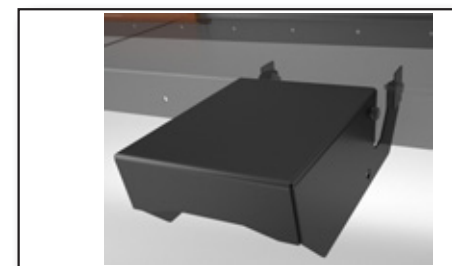
TigerStop interlock box

Software
Software option with the required 24 Volt DC in and output signals, to start an existing machine and the automatic push feed cycle.
Includes required cables and external connection box.

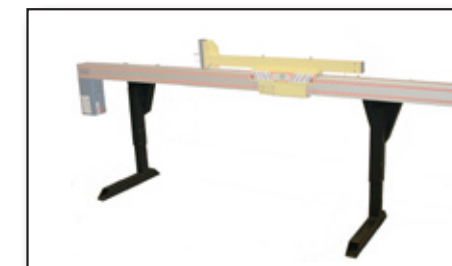
Closed roller tables



Width	370mm	520mm
Roller Length	350mm	500mm
Roller diameter	Ø 50mm	Ø 50mm
Centre distance	300mm	285mm
Single table	1.2m / 2.4m	1.8m / 2.5m
Lengths up to	24m	24m



Support brackets
For reception of material before processing.
To be mounted on the front of the inclined tables.



Support legs for Single-end tenoning
Minimum 2 pieces needed.

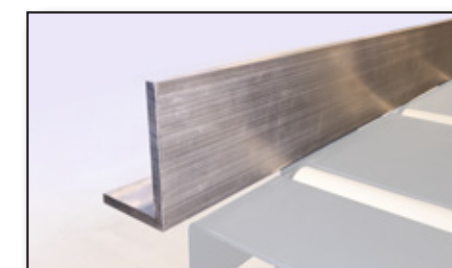
Flat top table



Width	370mm	520mm
Single table	1.2m / 2.4m	1.8m / 2.5m
Lengths up to	24m	24m



Attachment Bracket
Used to stabilize the TigerStop for mounting to existing tables or structures.
They are not required when you purchase a TigerStop feed table.



Side fence for in and out feed tables
Lengths from 1m to 6m
When ordering tables without a Tigerstop the side fence is not included.

Combined tables



Table for	Total Length
TigerStop 3 / HD4	3.6m
TigerStop 4	4.2m
TigerStop 4.8 / HD6	5.4m
TigerStop 5.4	6.0m
TigerStop 6.0	6.6m
TigerStop 6.8	7.2m
TigerStop 7.4	7.8m
TigerStop 8.0	8.4m
TigerStop 8.5	9.0m
TigerStop 9.2 / HD10	9.6m

The compact

The TigerStop saw TS350 is a fast, flexible and safe pushfeed cross cut saw for many applications. Cutting with high accuracy of packs, profiles and single pieces is guaranteed. The well known Tigerstop control panel has extensive programming possibilities. Simple to use, capacity of 100 programmable cut lists.

Everything is controlled through an easy to use controller

For an optimum material transport the machine and the tables are tilted at an angle of 8 degrees backwards.



Optimization on the fly.

Saw speed can be set for a smooth finish or a quick cut

The sawblade turns in such a way as to pull the material, clamping it against the guardrail.



Advised Accessories

Length Optimizing.



Defect marking.



Online data transfer



Label printing

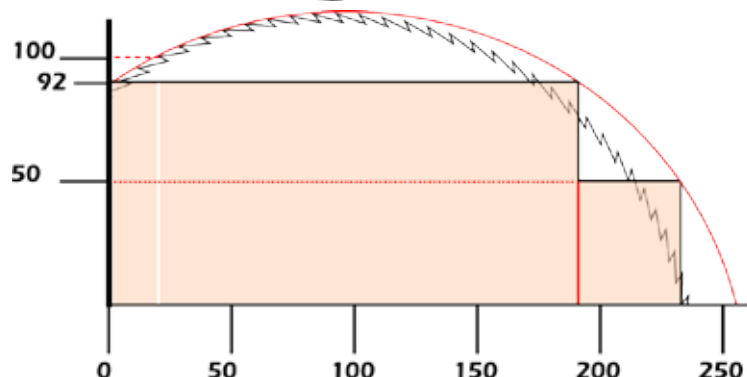


Loading station



TS350

Saw blade diameter
350mm
Cutting capacity
92x160mm/50x200mm
Motor Power
3kW
Display
4 line LCD
Working height
920mm
Waste extraction
2 x Ø 100mm
Feed speed
up to maximum 60m/min.
Accuracy
+/- 0,2mm



TS550

The universal

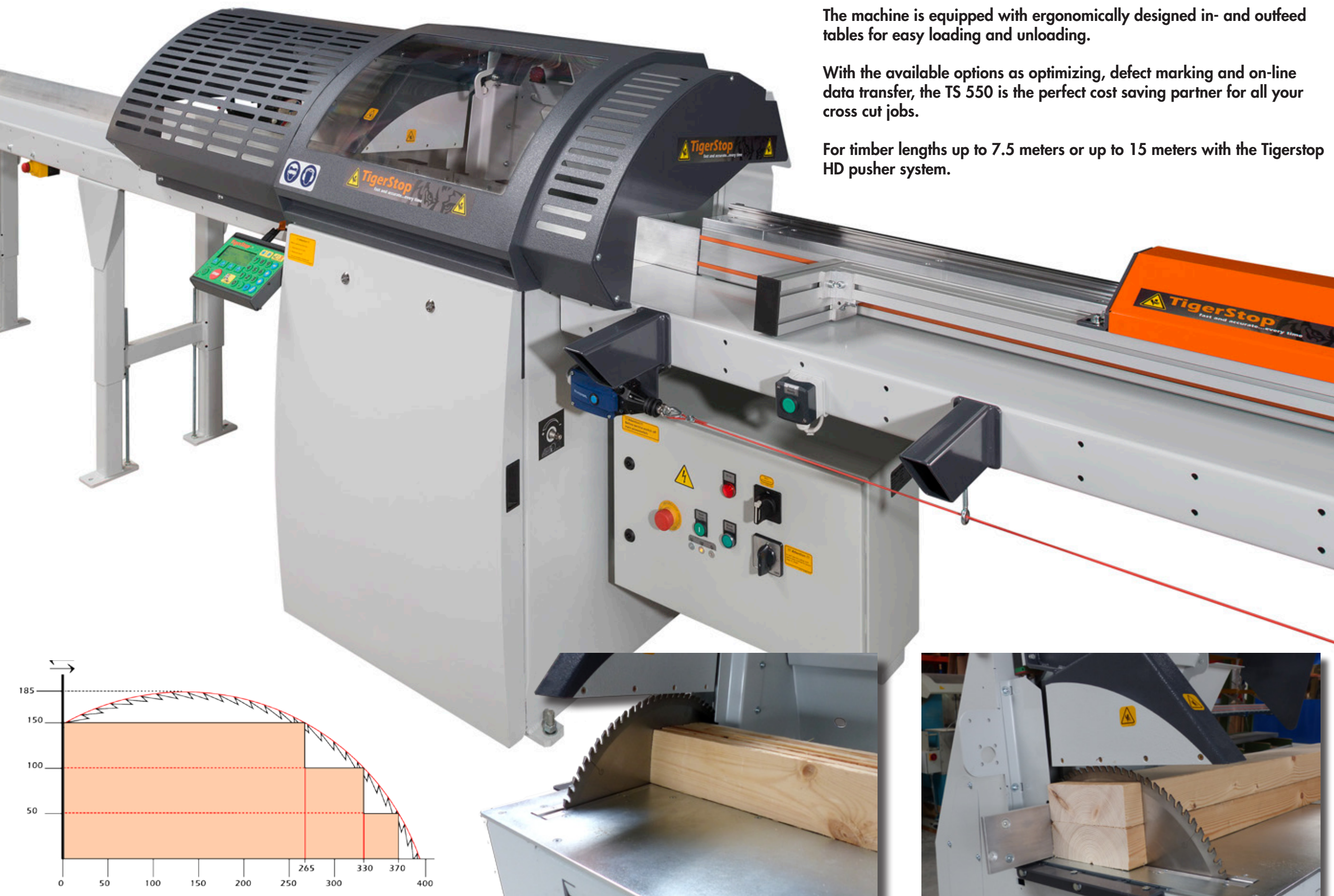
The Tigerstop saw TS550 is a Universal pushfeed cross-cut saw with a large capacity.

Used in the furniture, packing, joinery and sawmilling industry where a high precision and production is required.

The machine is equipped with ergonomically designed in- and outfeed tables for easy loading and unloading.

With the available options as optimizing, defect marking and on-line data transfer, the TS 550 is the perfect cost saving partner for all your cross cut jobs.

For timber lengths up to 7.5 meters or up to 15 meters with the Tigerstop HD pusher system.



Advised Accessories

Length Optimizing.



Defect marking.



Tiger Touch



Label printing



Loading station



TS550

Saw blade diameter
500 OR 550mm
Cutting capacity
100X280mm or 150x150mm
Motor Power
5.5kW or 7.5kW
Display
4 line LCD
Working height
3 to 16m
Waste extraction
1 x Ø 120mm
Feed speed
up to maximum 50m/min.
Accuracy
+/- 0,2mm

TS 800

The industrial

Thanks to its cutting capacity the Tigerstop saw TS 800 is your partner for the bigger sizes.

The machine is suitable for almost any cross-cut job:
Solid wood components and I-beams for the building industry, wood panels, composite material, plastics etc.

Timber lengths up to 15 meters can be processed with the TS 800.

Advised Accessories

Length Optimizing.



Defect marking.



Tiger Touch



Label printing



Loading station



TS800

Saw blade diameter:

550mm

Cutting capacity:

140x450mm or 50x800mm

Motor power:

5.5kW

Display:

4 line LCD

Saw stroke:

hydro pneumatic
with speed adjustment

Waste extraction:

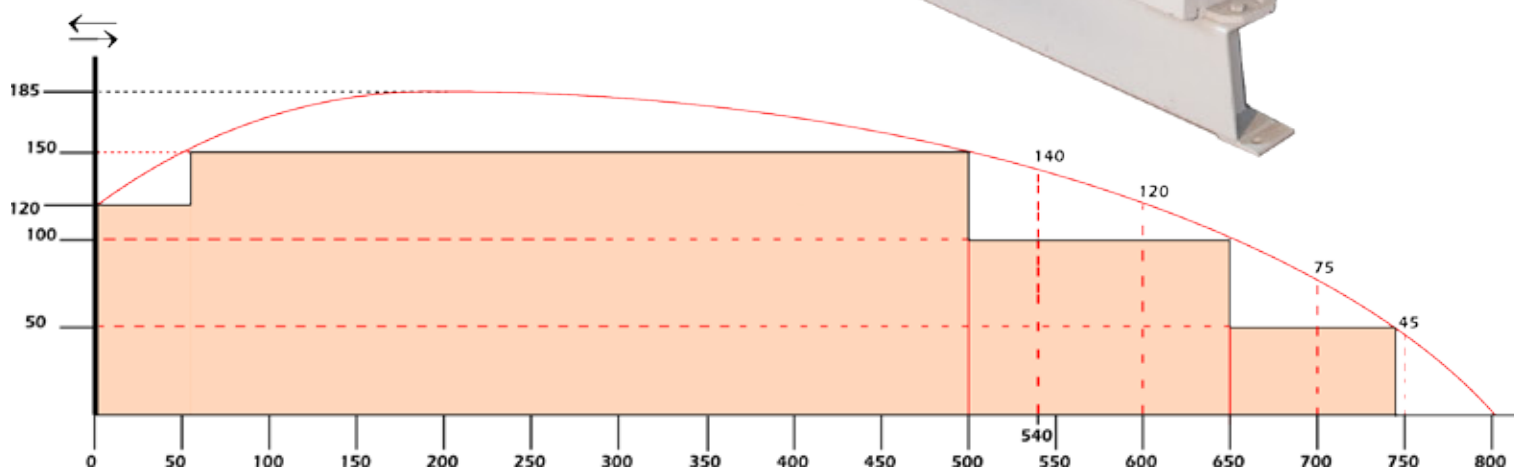
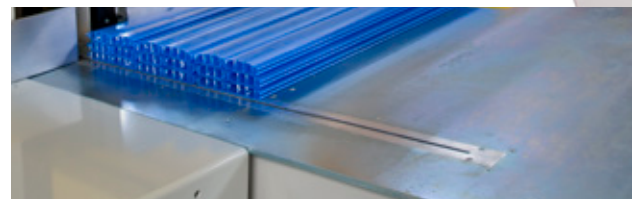
1xØ120mm and 1xØ150mm

Feed speed:

up to maximum 40m/min.

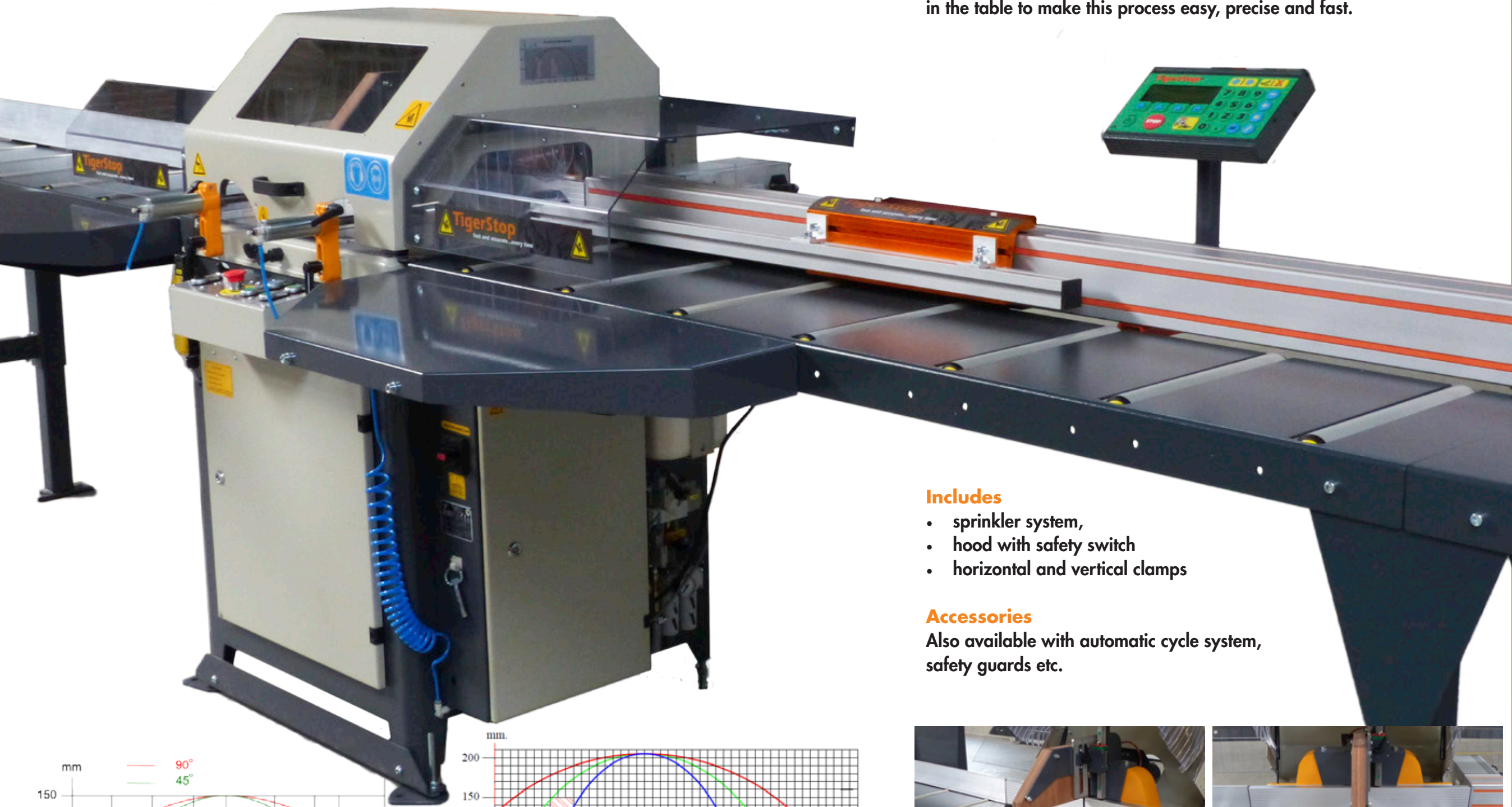
Accuracy:

+/- 0,4mm



TSA420 SC550

Cross-cut angle saw with TigerStop pusher for aluminium and plastics/synthetics



Details

The sawing mechanism is mounted under a rotating table, this table rotates on its central axis thus maintaining the zero point.

Setting the angle is done manually, several notches for angles are built in the table to make this process easy, precise and fast.

Setting the angle is done manually, several notches for angles are built in the table to make this process easy, precise and fast.

TSA420

Cutting height:

max 145mm

Cutting width:

180mm at 50mm height
(at 90 degrees)

Cutting angles:

30-45-90-135-150 degrees

Sawblade:

420mm

Motor power:

2,2kW

Voltage:

400 Volt 50Hz

Saw drive:

Hydropneumatic

Clamping:

2x vertical and 2x horizontal

SC550

Cutting height:

max 205mm

Cutting width :

300mm at 100mm height
(at 90 degrees)

Cutting angles:

30-90-150-150 degrees

Sawblade:

550mm

Motor power:

3kW option 4kW

Voltage:

400 Volt 50Hz

Saw drive:

Hydropneumatic

Clamping:

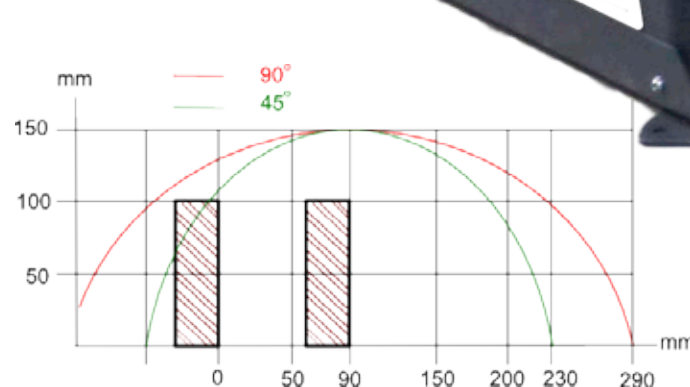
2x vertical and 1x horizontal
(2x horizontal optional)

Includes

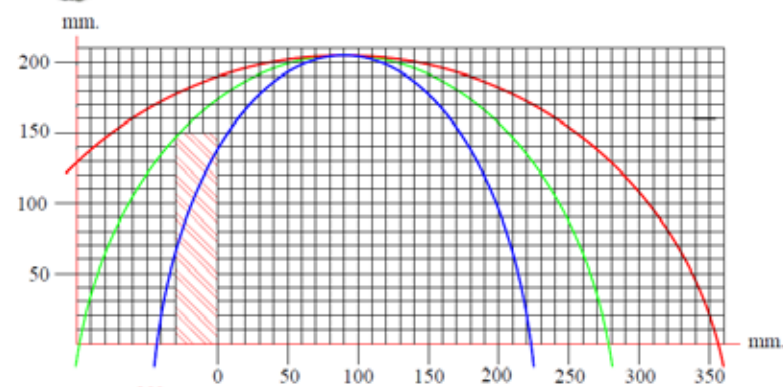
- sprinkler system,
- hood with safety switch
- horizontal and vertical clamps

Accessories

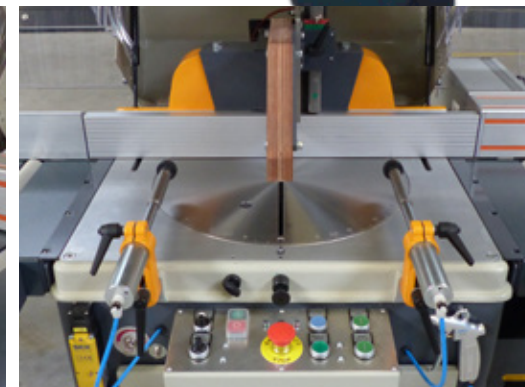
Also available with automatic cycle system, safety guards etc.



TSA420



SC5500



Up-stroke angle cross- cutting saw model UKA 600

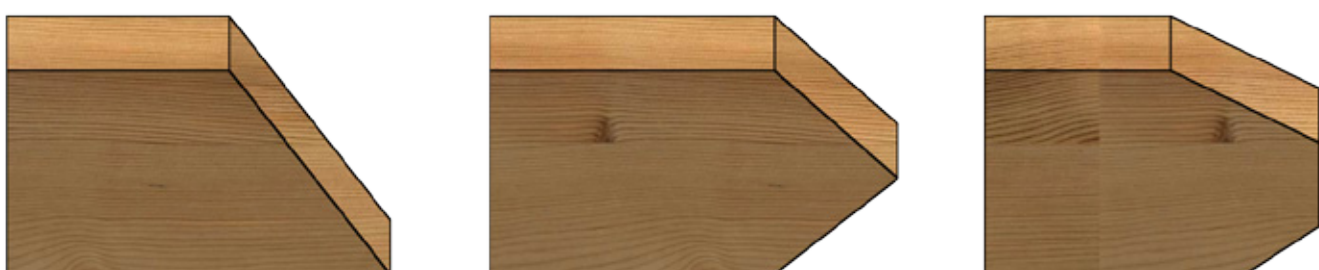
The installation is engaged using a dual buttons press system, or automatically when fitted with a TigerStop push-feed system.
The angle of the cuts is set using a TigerStop digital DC-servo controller.

After programming a cut, or a list of cuts into the controller the saved settings can be used on the fly. Once the materials are loaded the feed and cut cycles proceed automatically.

PC with Tiger Angle/ BeamworksPC with TigerAngle programme, computer and computer cabinetTo control angle on the saw and Tigerstop pusher simultaneously.



For straight and angle cuts
Between 20 and -20 degrees



UKA600

- Maximum cutting height
170 mm
- Cutting capacity
About 350 mm at 90 degrees
(75 x 350mm , 100 x 300mm)
- Saw-blade Diameter
600mm
- Cutting angles
20- 90- 20 degrees
or 30 - 90 - 30 degrees in
full automated use
- Motor power
5,5Kw
- Requirements
400 Volt 50Hz
- Working height
950mm
- Saw stroke
Pneumatic adjustable

TigerAngle

Cutting angles, especially compound angles, is no one's favorite job. Setting stops, settings 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 an efficient and flexible saw for your wall, roof and truss components.

Just enter or download your parts and angles into BeamWorks, and let TigerStop cut the parts with precision and comfort!

Beamworks 3D

control for pusher and angle adjustment
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. The TigerAngle is suitable for wood, plastic and aluminium cutting.

Aluminium



Wood



PVC



ZS200N 3D

Cutting capacity at 90 °
420mm option 500mm
Cutting capacity at 45 °
295mm
Cutting height at 90 °
200mm
Cutting height at 45° tilt
140mm
Angle adjustment range
45-90-25°
Angle adjustment range for tilt
60-90-30°

ZS170N 2D

Cutting capacity at 90 °
450mm
Cutting capacity at 45 °
310mm
Cutting height at 90 °
170mm
Cutting height at 45° tilt
115mm
Angle adjustment range
45-90-25°
Angle adjustment range for tilt
(manually)
45-90-60°

Standard TigerAngle features

- Stop and push feed function
- Automatic push feed cycle
- Memory capacity for 99 hotkey positions
- Memory for 99 cut-lists as stop or pusher
- Saw kerf compensation
- Increment function
- Zero point corrections
- Programmable head and tail cut
- Adjustable speed acceleration and deceleration
- Built in calculator
- Mounting left and/or right side



Automatic angle adjustment
using TigerStop servo drive



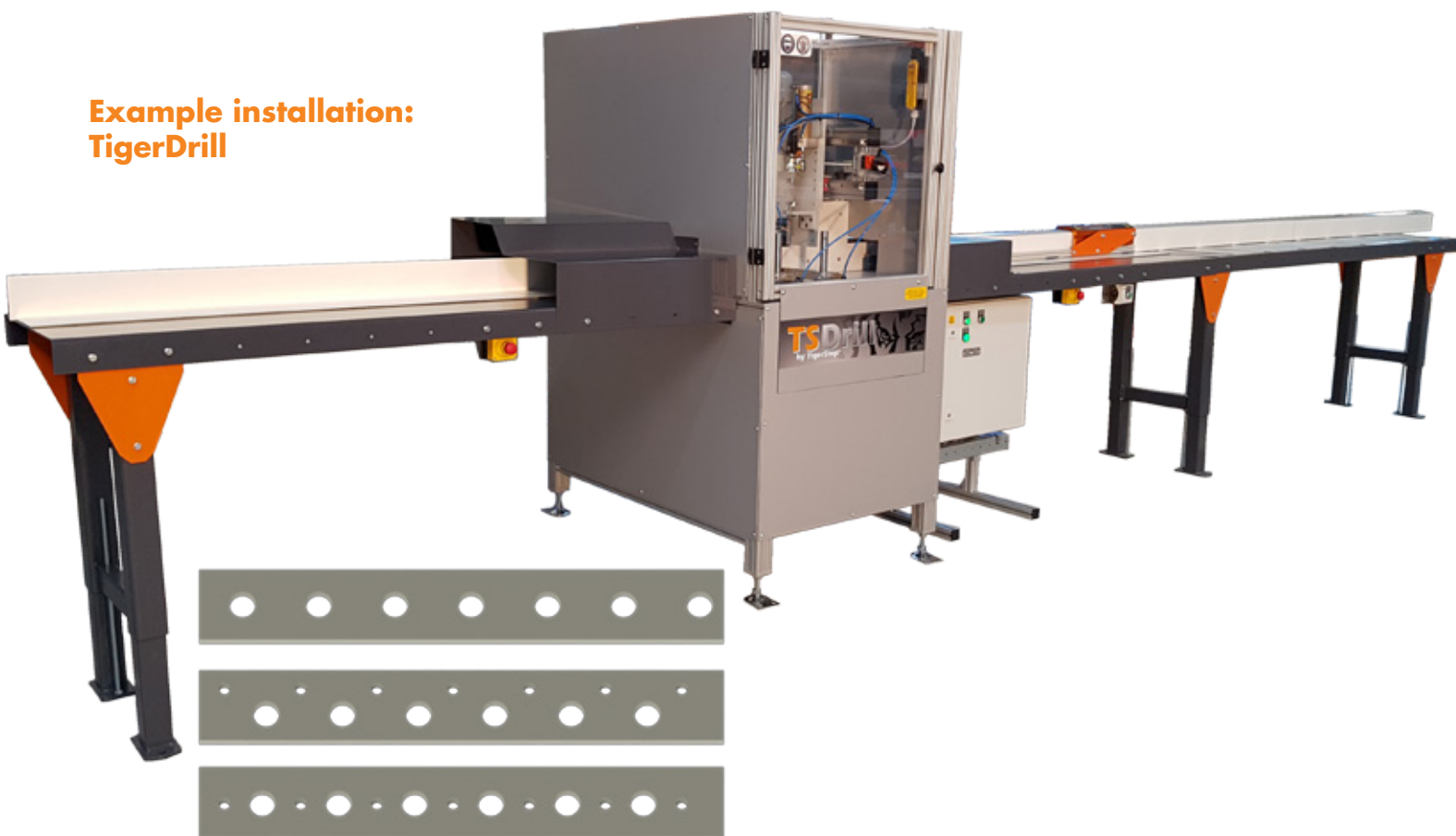
Maximum cross-sections
up to 200 x 420 mm
(Option for 500mm)
0,05 degrees Precision

Timber length
up to 8.5 m standard
(Option up to 15 m)

**Example installation:
TSA420 and TigerDrill drilling and cross-cutting**



**Example installation:
TigerDrill**



TigerStop drilling installation TSDrill with direct drive

Suited for aluminium, PVC or wood.
Machine functions fully automatically using a Tigerstop positioning system

Drill-head
one vertically or
two vertically or
one vertically and one horizontally

Motor power
1,5kW

Speed
2800 rpm

Choice between
2000 and 3500rpm

Drilling stroke
150mm

Bore capacity
About 35mm in wood
16mm in aluminium

Drill drive
Pneumatic with speed regulator and hydraulic brakes

Drill take up
ER25 collet with conical clamp bush

Setting of the Y-axis
With double linear 200mm
With manual setting and digital display or using a
pneumatic cylinder to switch between two
positions using Beamworks Multitool Software.

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