



VEKTA
ADVANCED AUTOMATION

/ SCALABLE AUTOMATION FOR FRAME & TRUSS MANUFACTURERS

BUILD SMARTER

**Automation designed for your business.
Not the other way around.**

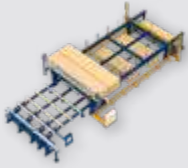
/ PRODUCT CATALOG



SCALABLE AUTOMATION FOR FRAME & TRUSS MANUFACTURERS

/ Why Vekta	03	/ 04. Fabrication	16
/ 01. Infeed	04	/ 05. Conveying	22
/ 02. Cutting	06	/ 06. The Vekta Difference	30
/ 03. Outfeed	12		

The Vekta Family of Scalable Automation Solutions



/ 01
INFEEED
PACKFEEDER; STAK N GAP /
AUTOMATED INFEEED TABLE



/ 04
FABRICATION
AUTONAILER; COMPONENT
MASTER; FINISHING TABLE;
JACK JIG; ZERO PRESS



/ 02
CUTTING
RAZER; P3; RTO; STUD CUTTER;
AUTO STACKER



/ 05
CONVEYING
STAKPRO FRAME/TRUSS;
SMART ROLLER;
TRUSS TRANSFER; STAKROLLER;
VACUUM LIFTER; PICKFEEDER



/ 03
OUTFEED
DIRECT DELIVERY SYSTEM (DDS);
MINI MULTISTATION OFK; OFK

**Contact us to book a Vekta
Automation Assessment**

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INNOVATION BUILT TO PERFORM



Run with confidence

Go from surviving to thriving, knowing you'll hit deadlines with consistent output, reliable uptime and the clarity to make confident decisions across every shift.

Reliable / Supported / Confident



Your space. Your pace

Customizable, modular systems shaped around your layout, workflow and investment pace, integrating seamlessly with the software and processes you already rely on.

Modular / Scalable / Streamlined



Less waste. More output

People working smarter, not harder — wasting less time and material, using machines more effectively, and creating more value from the same resources every day.

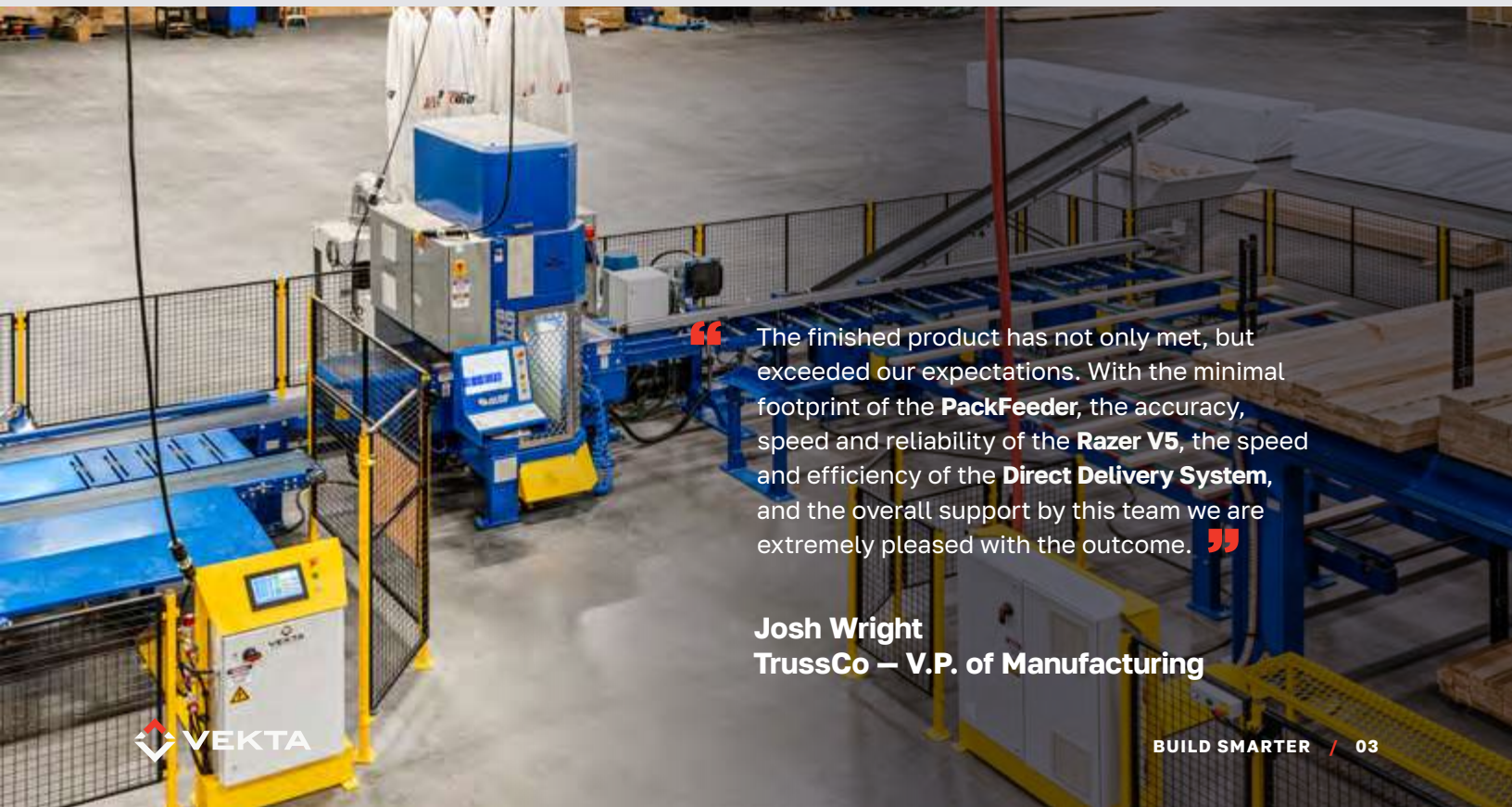
Innovative / Thoughtful / Intuitive



Productivity without bottlenecks

More throughput, more capacity and more uptime — giving you a smoother line, stronger flow and a more productive operation without adding extra labor.

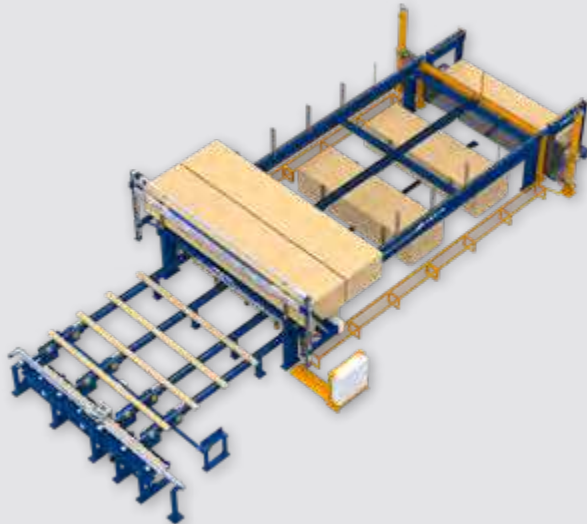
Productive / Consistent / Dependable



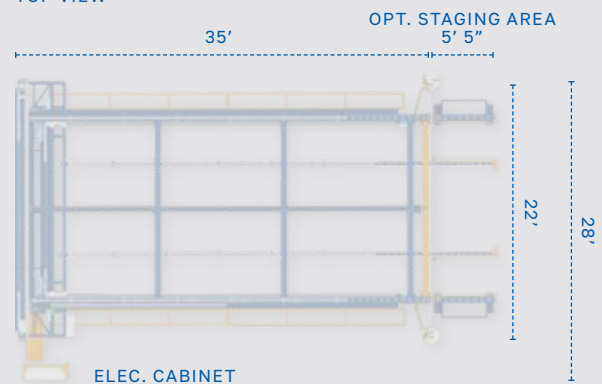
“The finished product has not only met, but exceeded our expectations. With the minimal footprint of the **PackFeeder**, the accuracy, speed and reliability of the **Razer V5**, the speed and efficiency of the **Direct Delivery System**, and the overall support by this team we are extremely pleased with the outcome.”

Josh Wright
TrussCo — V.P. of Manufacturing

EASIER, SAFER INFEED THAT KEEPS UP WITH YOUR SAW



TOP VIEW



Your saw is only as fast as its feed – manual loading leads to downtime, fatigue, and costly errors.

With the smallest footprint on the market, Vekta's compact dual-level PackFeeder intelligently scans, selects, and delivers boards to the saw at lightning speed – eliminating excess inventory, transportation and waiting times.

Features

- / Requires ≈75% less space than equivalent systems
- / Dual-level design allowing for different size packs with optimal space utilization
- / Flexible loading – option to split packs and reconfigure bunk sizes to maximize versatility
- / The PackFeeder was developed specifically to keep up with high-speed linear saws (like the Razer), as such, it has unmatched speed, accuracy and reliability

Options

- / Integratable with third party saws
- / PackFeeder staging area for quicker lumber restock
- / Stand-alone and various sizing options available

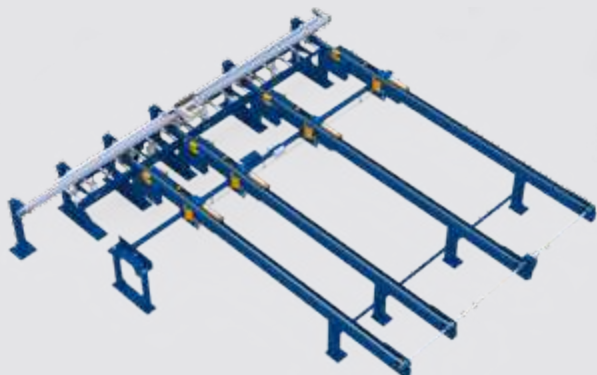
Specifications: PackFeeder

Max. number of packs	24*
Typical pick cycle time	15 secs (up to 2 boards at a time)
Standard PackFeeder sizes (number of bunks)	14 USA sized*
Supported lumber sizes	Min – 2"x3" x 7' Max – 2"x12" x 20'
Power req.	32A @ 415VAC / 480VAC

Total number of packs dependent on the physical size of the packs used

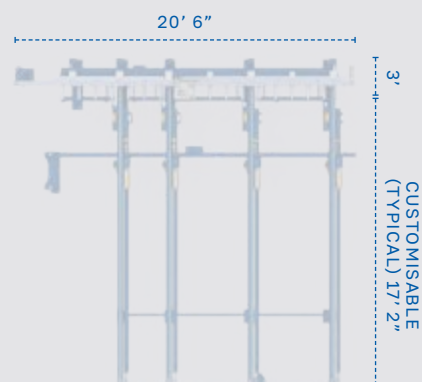


See it in action!



VEKTA **STAK N GAP** **AIT**

TOP VIEW



Used in tandem with the PackFeeder the Stak N Gap (SNG) upgrade to the Automated Infeed Table (AIT) will fully automate all infeed processes.

Once delivered, lumber will be inspected and stacked before cutting – eliminating human error and safety risks.

Specifications: Stak N Gap / AIT

Height – overall	4' 3"
SNG cycle time	8-20 s
Supported lumber sizes	Min – 2"x3" x 7" Max – 2"x12" x 20"

Features

- / A modular upgrade for the existing Vekta Automated Infeed Table (AIT), adding full infeed automation with no increase to footprint or maintenance
- / Retrofittable to any existing standard AIT system and integrates seamlessly with the Razer's native software
- / Eliminates mistakes, labor on the infeed side of your linear cutting
- / Boards are gapped, separated and tracked for more accurate detection
- / The AIT retains a significant buffer of lumber – no lost time during picks

Options

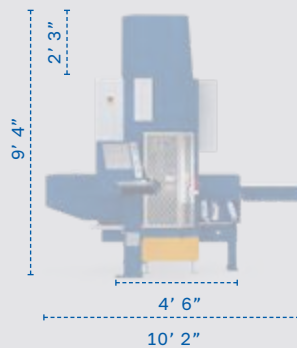
- / Built to your specifications – thresholds and automated features can be adjusted by the user
- / Adjusted to suit your plant layout, extra functionality can be turned on or off as needed



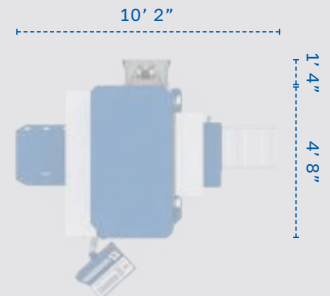
PRECISE CUTTING WITH THE VEKTA RAZER^{V5}



SIDE VIEW



TOP VIEW



The Razer V5 is Vekta's full-featured saw, designed to have maximum flexibility and capability with the ability to perform a huge range of cut types and other functions.

Manufactured to the same exacting standards as the Razer V5, the Razer S5 is simplified to suit a plant primarily interested in cutting common roof truss components and basic, non-raking wall frames. The result is a less expensive linear saw with features tailored specifically to truss plants.

Features

- / Compatible with ALL NAIL PLATE SOFTWARE
- / The industry's smallest footprint
- / Customizable to suit your factory processes; material flow, multiple layout options, location of waste conveyor and dust extraction
- / Unsurpassable accuracy and precise cutting that ensures products are to correct specifications

Options

- / Modular – automated or manual infeed and outfeed options to suit your budget and needs
- / Integrate one or more saws into Vekta's Direct Delivery System

Specifications: RAZER V5

Throughput*	250-350 truss comps. per hour 400-550 frame comps. per hour
Cut accuracy*	+/-1/16" typical
Cutting width – max.	14" (6" for double stacks)
Cutting depth – max.	3 3/4" (single or double stack)
Cutting length – max.	Unlimited
Lumber length – min.	2' 7"
Member length – min.	<1/16"
Main cut angle	0 to 180°
Bevel cut angle**	-67° to +67°
Cut types	Straight, Single/Compound Bevel, Taper, Birdsmouth (zero overcut), Trenching (3 sides), Rip, Bevel Rip, Notch, Drill
Number of cuts per member	Unlimited
Power & air req.	3ph, 415/480 VAC +/- 10%, 50 Amp, 50/60 Hz 340 l/min at 690 kPa (12 cfm at 100 psi)

* Actual results are site dependent with consideration to lumber condition and member geometries

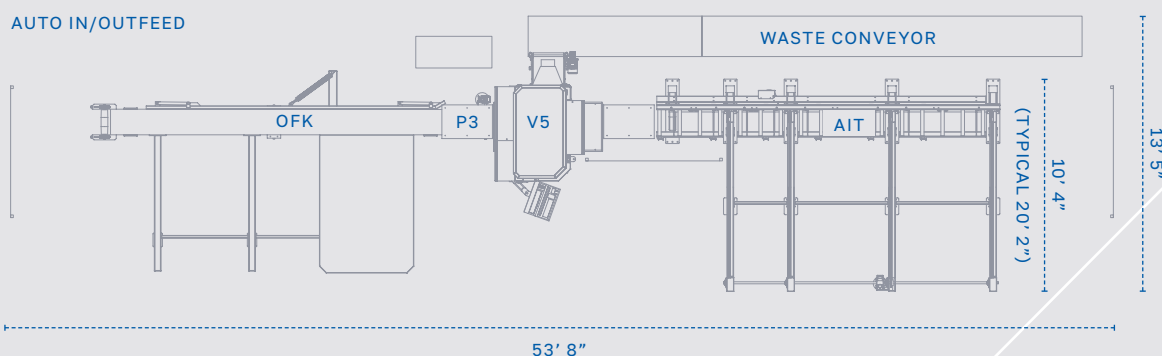
** Actual bevel limits based on lumber thickness and saw head tools

Sample Layouts

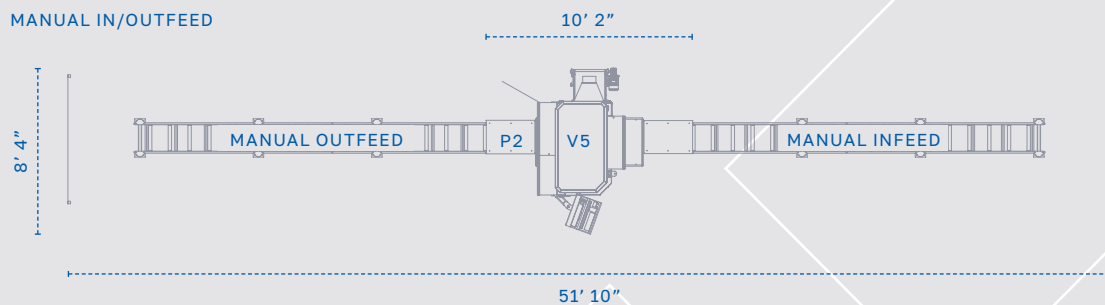
Flexibility, compatibility, scalability – work with Vekta to develop a comprehensive solution to suit your existing or new plant layout.

Whether you want automated or manual infeed and outfeed options our equipment is fully customizable to suit your factory processes.

AUTO IN/OUTFEED



MANUAL IN/OUTFEED



See it in action!

THE INDUSTRY FAVORITE FOR ACCURATE, HIGH-QUALITY PRINTING

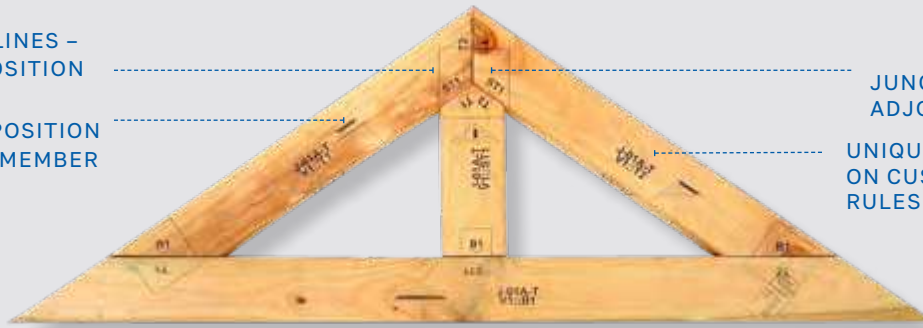


NAIL PLATE OUTLINES –
ORIENTATION/POSITION

ORIENTATION & POSITION
MARK FOR EACH MEMBER

JUNCTION LABELS FOR
ADJOINING MEMBERS

UNIQUE LABELING BASED
ON CUSTOMIZABLE
RULES



Designed specifically for the needs of the Truss and Frame Industry, the P3 printer has been leading the industry for over a decade.

It is a high-resolution, highly configurable option for the Razer saw used to print position-dependent information onto cut components in real-time.

Specifications: P3 Printer

Print resolution	300dpi
Positional accuracy	1/16" typical
Printable faces	2 (top and side)
Printable member length	1/16" – 33'
Print speed max	4' 7"/sec

Features

- / Prints on two sides (top and side)
- / Fully configure what is printed on each individual member to minimize waste
- / Print logos, checklists, nail plate outline and orientation, assembly information, overhang detail and much more
- / Low cost parts and consumable
- / Grayscale photo printing (dithering)

Options

- / Feed direction and fence line configurable





VEKTA

REAL-TIME OPTIMIZATION

AGILE JUST-IN-TIME
PRODUCTION

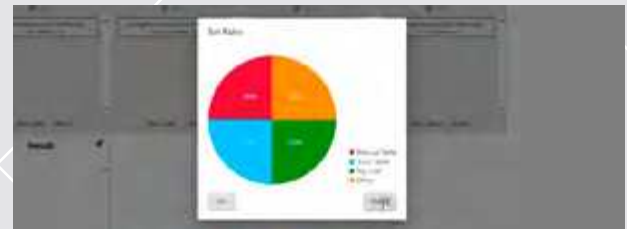
REAL-TIME
ADJUSTMENTS & RECUTS



SINGLE OPERATOR
MULTI-SAW
MANAGEMENT

CONTROL THE SYSTEM
FROM ANY DEVICE

Vekta's innovative Real-Time Optimization (RTO) software leverages decades of technology advancements and intelligent algorithm development to facilitate Just-In-Time delivery and provide unparalleled flexibility and control of your cutting and production planning.



Features

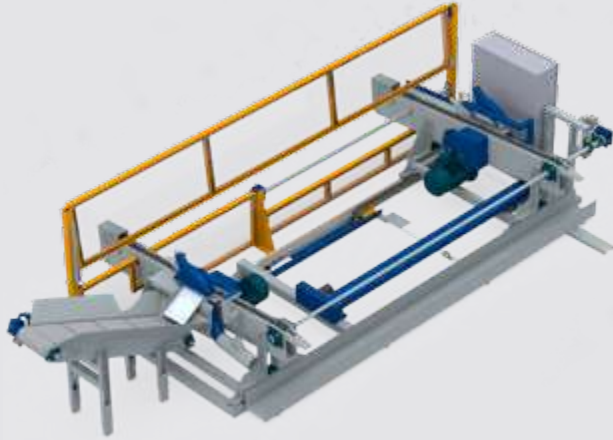
- / Simultaneous optimization – instantly optimize multiple jobs together across assembly stations, minimizing waste
- / Decentralized interface – empower your jig operators with the ability to schedule zero-disruption recuts, without the saw operator, directly from the point-of-use. Load, adjust, reorder and reroute jobs in real-time from any network device
- / Real-time adjustments – adapt cutting volumes and flow to meet dynamic point-of-use demand
- / Multi-saw management – efficient single operator control of multiple saws, reducing labor requirements and costs
- / Continuous cutting lists – eliminate end-of-file waste through seamless job transitions, optimizing material usage

Options

- / Simple kick-off rules to control your point of use needs
- / Direct delivery systems designed and custom-built to your plant and delivery needs

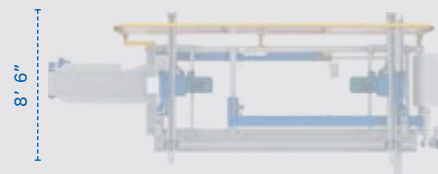


See it in action!

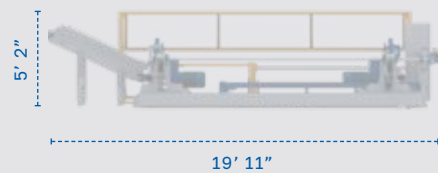


VEKTA **STUD CUTTER**

TOP VIEW



FRONT VIEW



The Stud Cutter is designed to accurately cut studs to set lengths at high speed.

The studs are loaded manually, one to four pieces at a time, and can cut up to 60 pieces per minute with an accuracy of $\pm 0.2\text{mm}$ (less than $1/64"$). The Stud Cutter can be supplied with an automated outfeed stacker to make it a one-person operation.

Features

- / Servo positioning of saw to accurately cut to length, $\pm 0.2\text{mm}$ (less than $1/64"$)
- / Full guarding to obtain maximum operator safety
- / Touchscreen display with cutting management, diagnostics, saw positioning, and job allocation
- / Waste conveyor for offcut removal
- / Standard TCT sawblades used
- / Heavy and robust construction

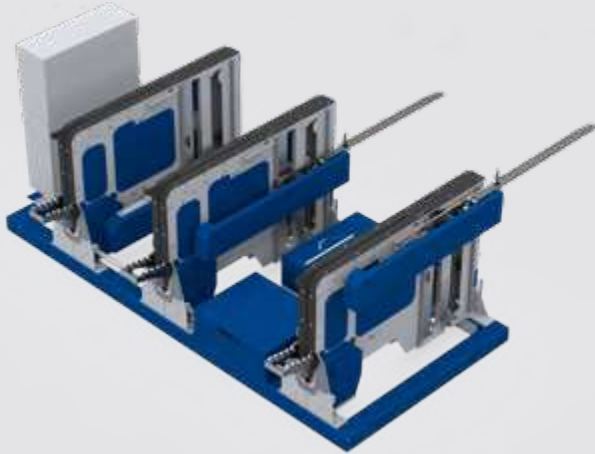
Options

- / Pair with the Auto Stacker and/or infeed options for increased productivity

Specifications: Stud Cutter

Lumber size	2"x2" to 4"x4"
Lumber length	8' to 12' 9"
Cut stack	Up to 4 pcs/lug
Chain lugs	15 lugs/min.





VEKTA AUTO STACKER

TOP VIEW



FRONT VIEW



The Auto Stacker is the perfect solution to continuously stack lumber into packs without supervision.

This machine is ideally suited to any molding, finger jointing or stud cutting line and will improve productivity and safety.

The Auto Stacker is a robust, reliable, economical and user-friendly solution for stacking lumber.

Specifications: Auto Stacker

Lumber size	1"x2" to 4"x12"
Lumber length	6' to 20'
Pack size	Min - 2'x2'
Throughput	2-3 layers/min or 20 pcs/min.

Features

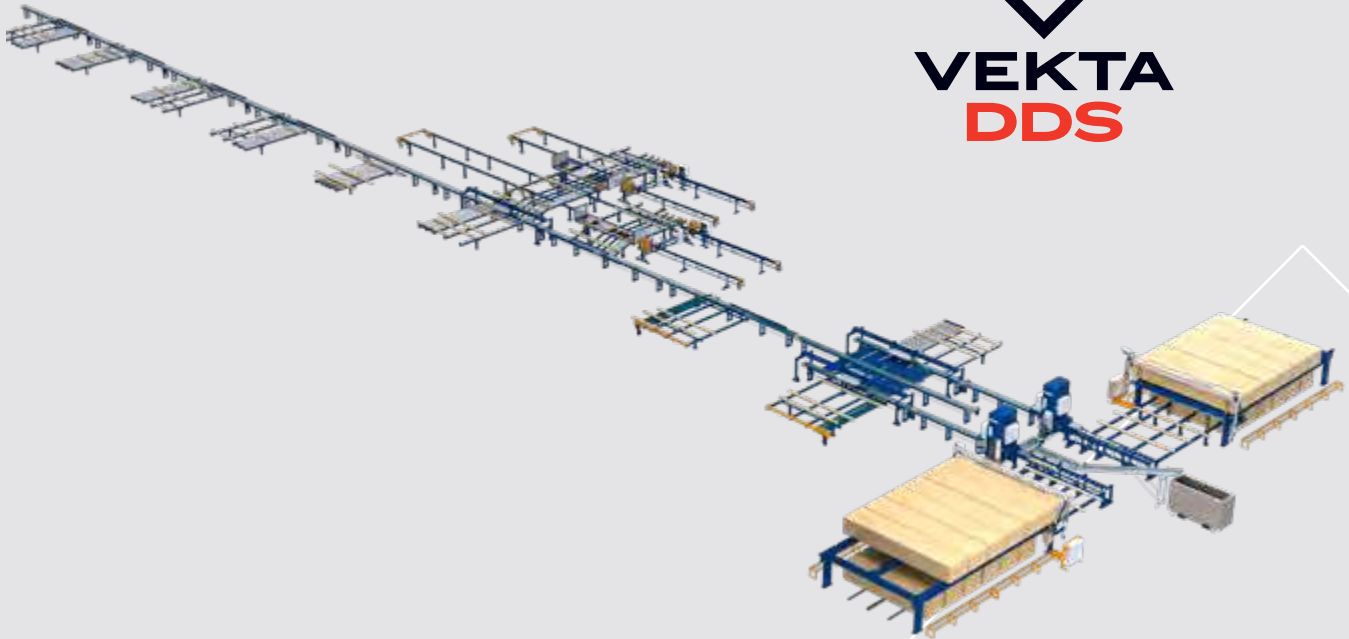
- / Ability to have heads movable for different lumber types and sizes
- / Option to add fillets / slats to lumber stacks
- / Touch screen operation
- / Pack tallying
- / Integrated self-diagnostic and remote-diagnostic systems
- / Heavy and robust construction

Options

- / Pair with a pack outfeed conveyor for improved throughput



DELIVERING CUT MEMBERS WHERE YOU WANT FOR EASY ASSEMBLY.



The Vekta DDS (Direct Delivery System) is highly configurable and optimizes one of the most labor intensive, least efficient steps in a plant – delivering cut components from saw to jig for assembly. Easily maintained and repaired, there is no need to hire engineers to maintain the equipment.

Utilize Vekta Real-Time Optimization (RTO) software to schedule and optimize together multiple jobs at once and reduce operator intervention whilst retaining control.

Features

- / With Just-In-Time delivery, start assembly moments after cutting commences – no need to cut all or most of a job before assembly begins
- / Highly configurable to suit new and existing factory layouts
- / Accepts cut components from one or more saws
- / High speed rotation options for moving components to a conveyor line that is 90° to the first conveyor
- / Ability to split the conveyor into multiple lines feeding in different directions
- / Dual and single direction kick-off mechanisms can be positioned anywhere along the conveyor lines

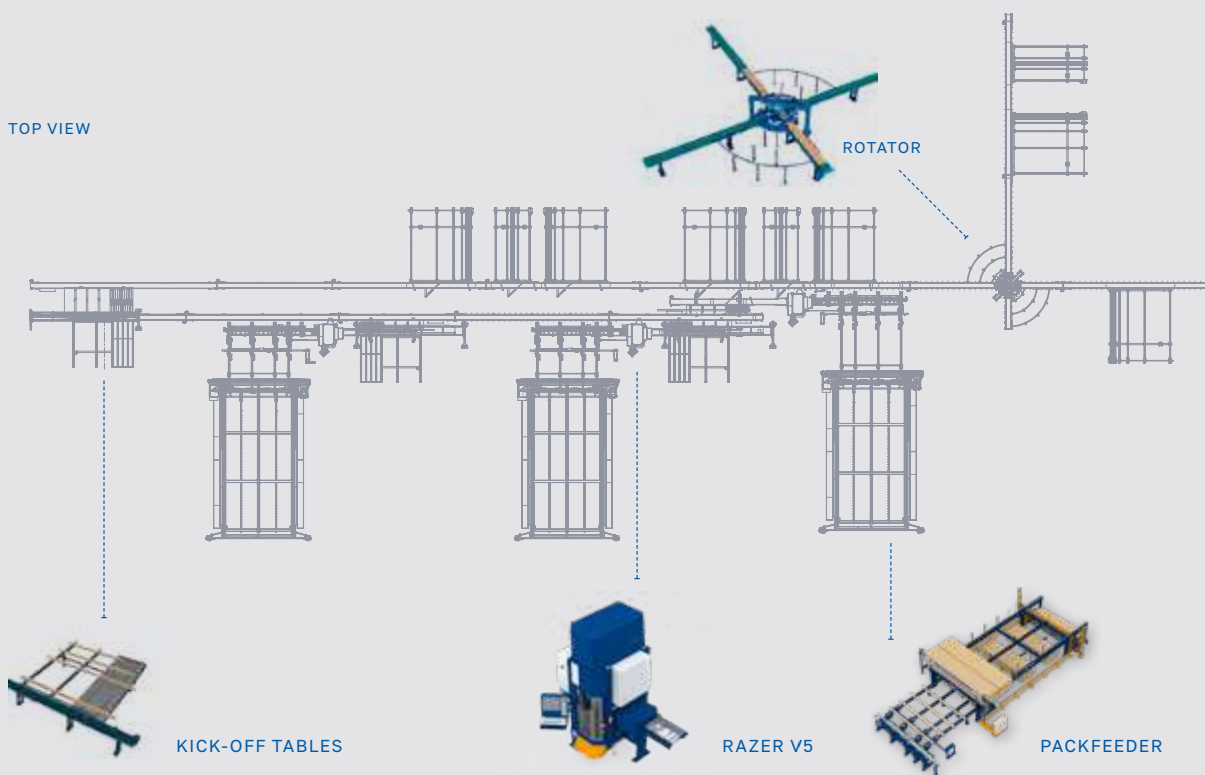
Specifications: Direct Delivery System

Number of kick-off locations	1 - 99
Layout of conveyor line	Customized
Kick-off options	Single, Single Destack, Dual Direction, Dual Direction Destack, Transfer
Table options	Gravity, Powered, Standard
Power & air req.	415 / 480VAC @ 32A

- / All cut components are justified to suit the kick-off locations and factory layout
- / Powered and unpowered tables
- / Printing location and orientation based on how the member will be picked up at point-of-use
- / Kick-off components based on configurable rules (type of member, location in truss/frame, dimensions)
- / Maximum safety with minimal labor and maintenance
- / Operation and safety solutions customized for each and every installation – not a one-size-fits-all approach
- / Interface at console and/or portable tablet

Sample Layout

Fast, accurate and safe – work with Vekta to develop a comprehensive and customized DDS solution to streamline your factory.

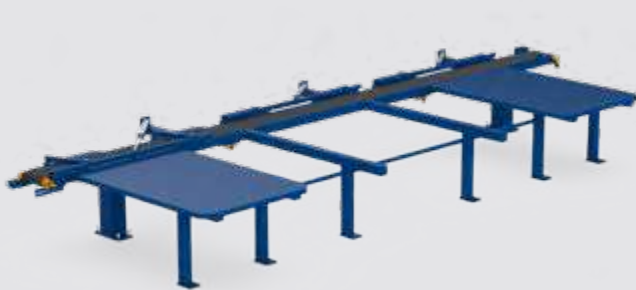


Options

- / Scalable – add more conveyors and/or kick-offs in future as needed
- / Customizable system designed and built specifically for your site
- / Designed to work with real-time optimization and just-in-time delivery. Utilize these features to automate many traditionally manual processes
- / Multiple kick-off and direction options

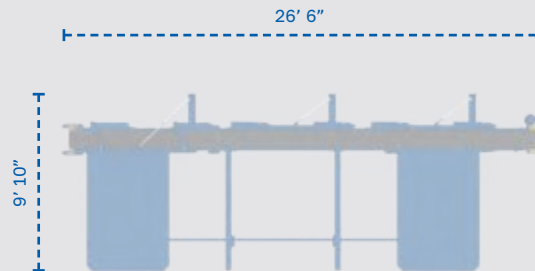


See it in action!



VEKTA **MINI MULTISTATION** **OFK**

TOP VIEW



Increase your efficiency and flexibility without sacrificing floorspace.

The Mini Multistation Outfeed Kick-off (OFK) gives you a second full-size kick-off area, allowing you to separate your cut members by job, type, length and reduce your sorting time on the outfeed.

Features

- / Simple rules to govern the kick-off location of your members, offcuts, reuse, and waste
- / Cut two jobs at once and kick to different locations or split your components by whatever means suits you
- / Minimal maintenance & easy to source spares

Options

- / Extended safety options including e-stop lanyards, switches and light curtains always available and can be added later
- / Upgrade to a dual direction kick-off to push members in both directions after cutting (de-stacking capability available)
- / Easily change your kick-off rules at any time to suit the job

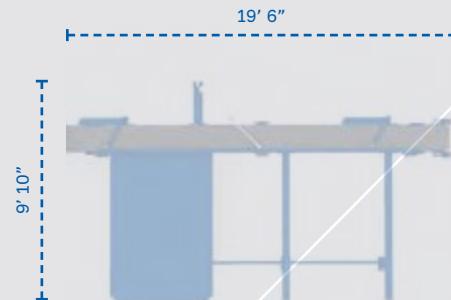
Specifications: Mini Multistation OFK

Kick-off cycle time	<2 secs
Max. delivery locations	4 (kick-off 1, kick-off 2, middle between tables, off end)





TOP VIEW

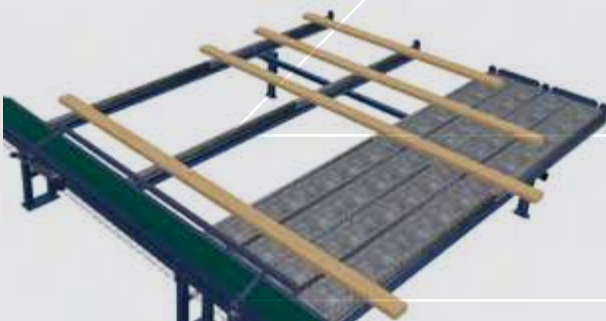


Vekta Outfeed Kick-off (OFK) offers versatile outfeed solutions to complement high-speed linear saw cutting.

Single kick-offs built to a specific orientation and shape, or upgrade to a Direct Delivery System (DDS) complete outfeed solution.

Features

- / Unlock the full potential of the P3 printer with an intelligent conveying outfeed
- / Standard tables can be replaced with gravity roller tables (pictured lower left) or powered chain kick-offs (pictured lower right) as required



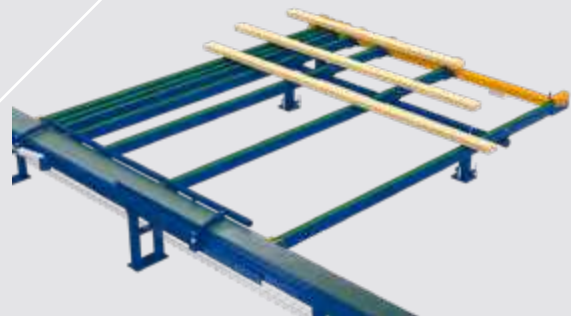
Specifications: OFK

Height – overall from floor	2' 12"
Lumber length to destack*	1' 7" – 20'
Kick-off cycle time	<2 secs

*Small members are deposited to the front of the saw

Options

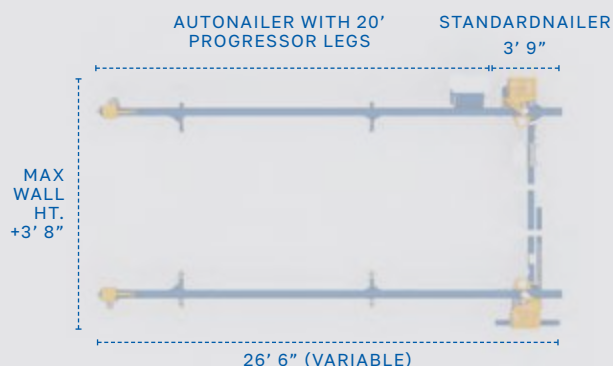
- / Single and dual direction kick-off solutions – with de-stacking capability



FASTER, SAFER, MORE ACCURATE FRAME & TRUSS PRODUCTION



TOP VIEW



The AutoNailer is Vekta's premium wall panel fabrication system. With automatic positioning of the wall panels, even the most inexperienced operators can assemble complicated frames.

Intelligently guided via our proprietary software, operators are led through step-by-step whilst keeping track of building metrics and statistics.

Features

- / Full integration with our range of conveying, finishing and stacking options
- / Vekta's whole framing line requires minimal maintenance and upkeep and can be built to accommodate any size frames or lumber
- / One touch clamping and nailing of top/bottom plates
- / Intelligent guidance systems – less downtime needed to train new staff and more time spent building
- / Full range of complimentary machines that can handle every facet of framing – Nog and Component Masters for stud, fireblock, and opening components (cutting, nailing and delivery)

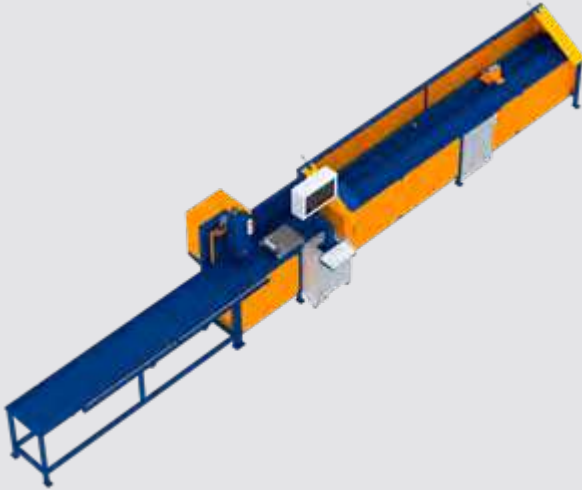
Specifications: AutoNailer

Production capacity per 8 hour shift	AutoNailer: 800–1600 linear ft StandardNailer: 500–1000 linear ft
Cycle time	<3 secs
Min. wall height	4' 11"
Max. wall height	Variable – up to 13' 9" max.*
Max. wall length	AutoNailer: 20' (based on progressor length) StandardNailer: Unlimited
Lumber sizes	2"x3" to 2"x6"

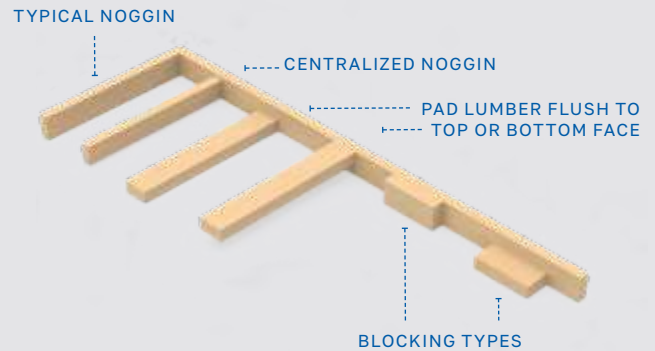
*Customizable based on required lumber geometry

Options

- / Customizable sizing and delivery and outfeed options to suit your plant setup and needs
- / *Size and length option configurable
- / Options for cutting all framing components at point-of-use
- / StandardNailer also available – our budget frame fabrication system that can be upgraded to the AutoNailer at any time.



VEKTA COMPONENT MASTER



The Vekta Component Master is built exclusively to support your wall panel line. Capable of cutting and nailing your wall components as needed and delivered straight to the point-of-use.

Operate in cut, assemble, or cut-and-assemble modes to suit your factory processes. Fabrication of sub-assemblies has never been easier.

Features

- / Cut and nail your studs and blocks, as well as, opening components for quick and easy installation
- / Small footprint, safe and easy to use
- / Hybrid operation – accepts pre-cut members or cut from raw lumber
- / Highly accurate progressors ensure quality component assembly with minimal human error and reduced labor
- / Highly versatile for all sub-assemblies
- / Increase framing throughput by pre-assembling components

Specifications: Component Master

Lumber width / height	2"x2" to 2"x6"
Raw lumber / cut stud max length	14 feet
Cutting cycle time	3-4 seconds
Nailing cycle time	
Cutting accuracy	<1/16"

Options

- / Nog Master – a dual progressor variation specifically suited to high speed stud/fireblock cutting and assembly also available
- / Backwards compatible with future modular upgrades (screwing, drilling)
- / Flexible nail gun integration, with larger coil options
- / Combine with a cross-over (studs) or curved conveyor (all pre-fabricated components, including opening components) to create a delivery system and component buffer

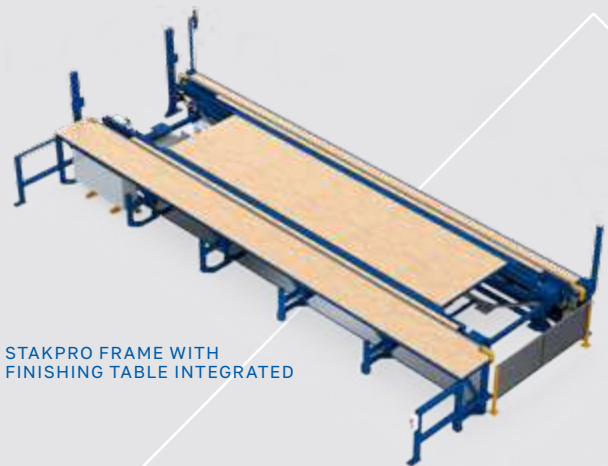
VEKTA FINISHING TABLES



STANDALONE FINISHING TABLE

Features

- / Pneumatic pop-up rail facilitate frame progression with minimal manual handling
- / Built in air connections for pneumatic tools
- / Each table designed and built to suit your plant layout and needs
- / Progress frames once completed with little to no manual handling (and no overhead cranes)
- / Add a powered chain line with backstops to add automation and control to your framing line, you decide when your next frame is delivered
- / Multiple options for stacking and line control and extended safety measures can be installed at any time



STAKPRO FRAME WITH
FINISHING TABLE INTEGRATED

Features

- / Both the StakPro Frame and a Finishing Table combined
- / Save precious floor space by combining two major parts of your fabrication line
- / Stack your frames / panels as soon as they are complete with no manual handling
- / Can be setup with 'one-touch' automation





VEKTA JACK JIG



The 5 head Jack Jig is a heavy-duty press designed for quick and easy production of Jack and Hip trusses.

The Zero Press is a single head press designed for quick and easy production of trusses.

In both products, truss components are loaded manually then nail plates, fed from a cartridge, are automatically positioned and pressed in under 30 secs (under 20 secs for the Zero Press).

Features

- / Servo positioning of truss angle +/- 0.5°*
- / Touchscreen display with truss management, diagnostics, and angle positioning*
- / Full perimeter guarding to obtain maximum operator safety
- / Heavy duty construction – heavy duty bearings, steel, and frames are used to withstand the most rugged of operating conditions

*Jack Jig only



VEKTA ZERO PRESS



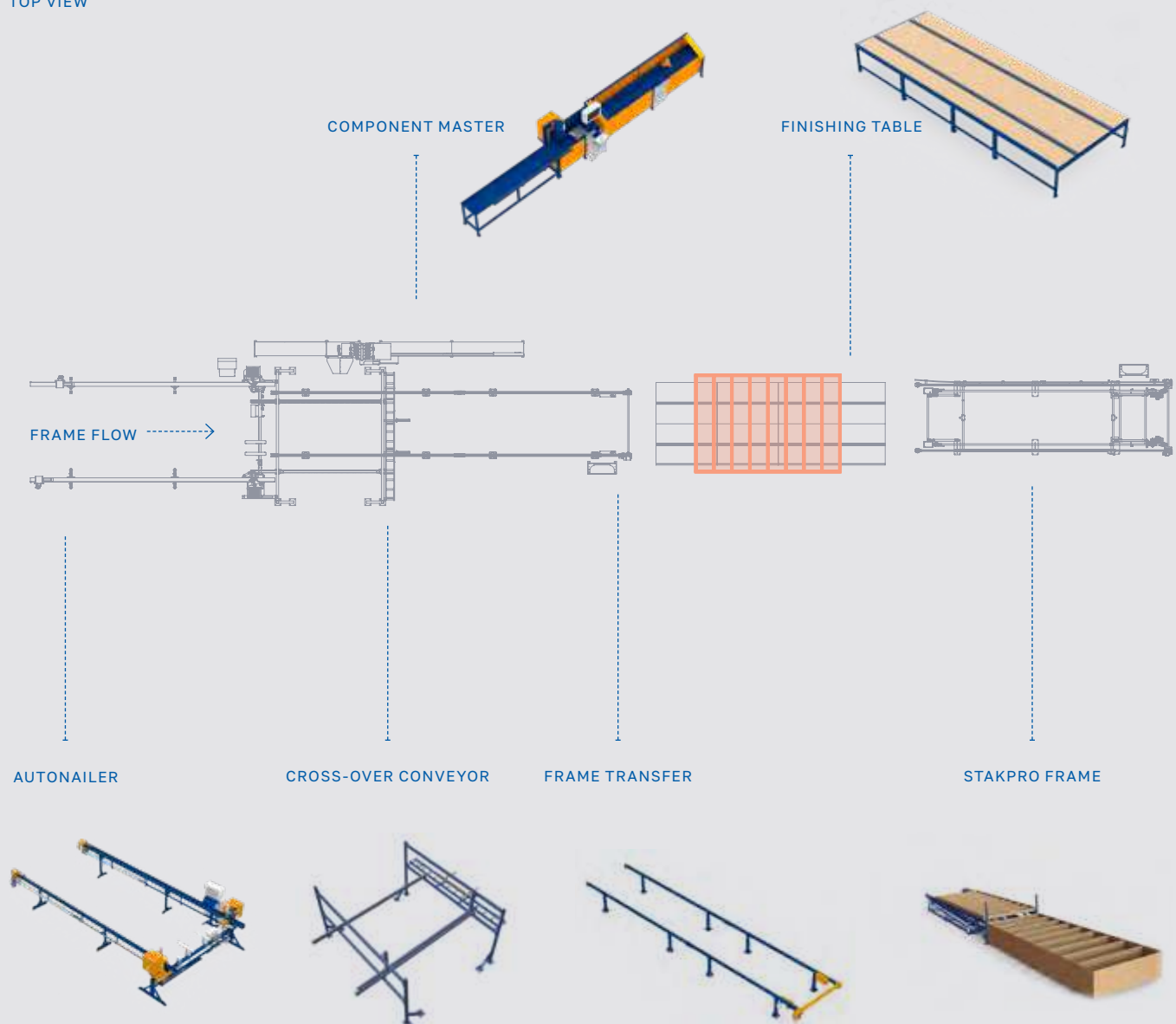
Specifications: Jack Jig & Zero Press

Truss angle	15 to 40°*
Pressing force	30000 lbs
Cycle time	Jack Jig: <30 secs Zero Press: <20 secs
Number of press heads	Jack Jig: 5 Zero Press: 1

- / Operator Health & Safety (OHS) – having the press at a comfortable working height, helps reduce OHS concerns and eliminate operator back complaints
- / Quality worldwide components – only high-quality components such as; IFM, Lenze, and Eaton have been used and are available worldwide
- / Minimal installation time – put in position, install perimeter fencing and light curtains, connect air and electricity, then it is ready to go

VEKTA FRAMING SOLUTIONS

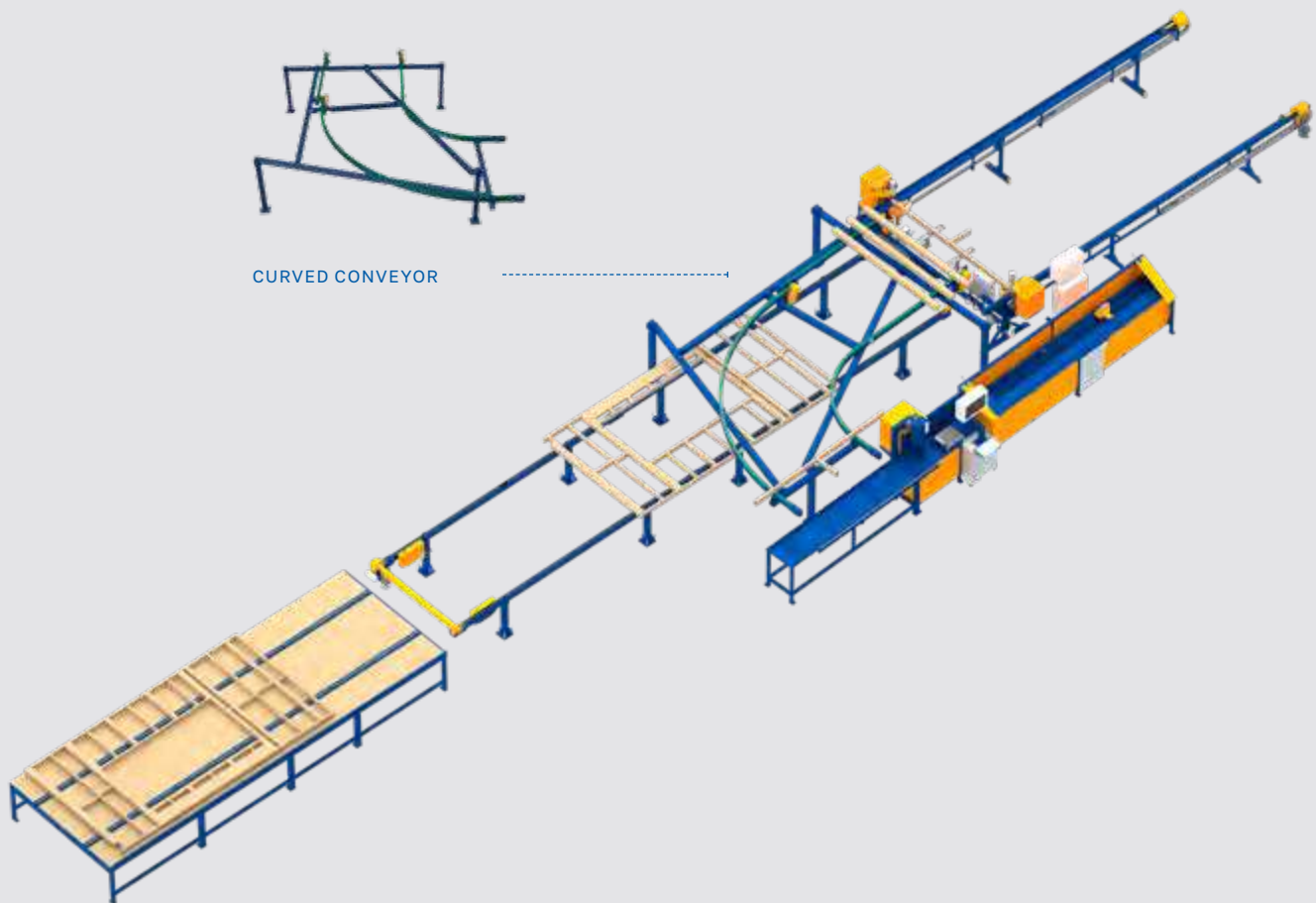
TOP VIEW



Sample Layout

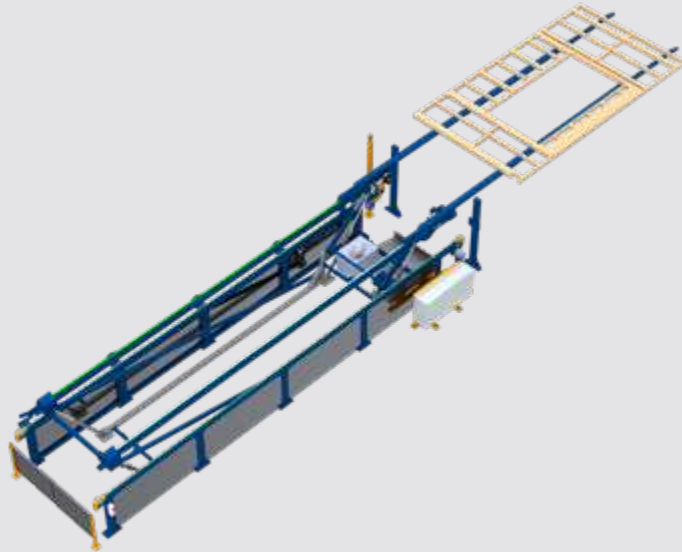
Vekta's custom framing solutions will help you streamline your framing line to give you increased accuracy and productivity.

3D RENDERED VIEW

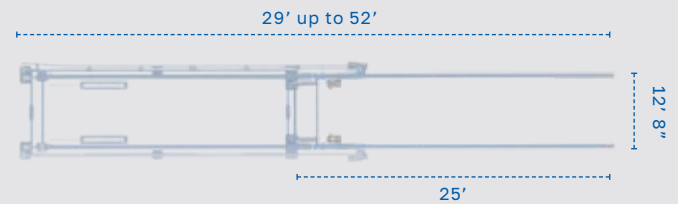


See it in action!

CONVEYING & STACKING REDUCING BOTTLENECKS, ERROR AND INJURY



TOP VIEW



The Vekta StakPro Frame is placed at the end of a framing line (indoors or outdoors) and has two arms that lift the assembled frames and stack them – all at the touch of a button.

Remove injury risk and manual requirements for automated frame delivery and stacking.

Available in multiple model options.

Features

- / Removes the hazardous manual handling task and the risk for one or many people
- / Scalable delivery, finishing and stacking solutions that focus on speed, efficiency and increased plant productivity
- / Modular system option including integrated and stand-alone finishing tables, idle rollers, chain drives, and automated stacking

Options

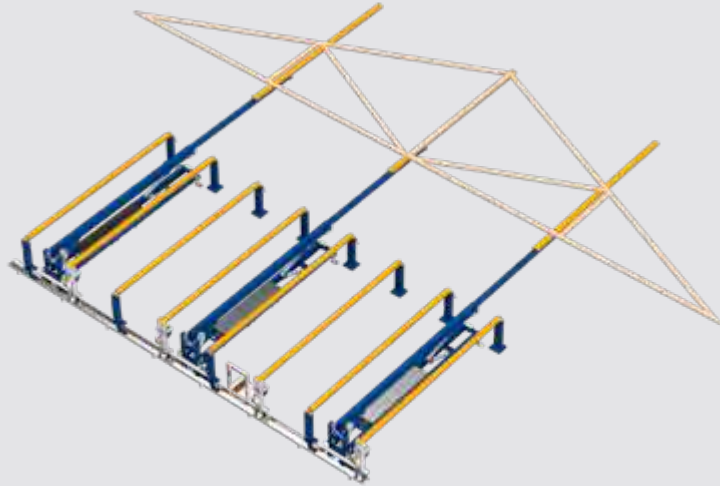
- / Control: manual operation via remote pendant and/or automation kit
- / Can be integrated into current systems for fabrication
- / Heavy duty models for larger and heavier panels available

Specifications: StakPro Frame

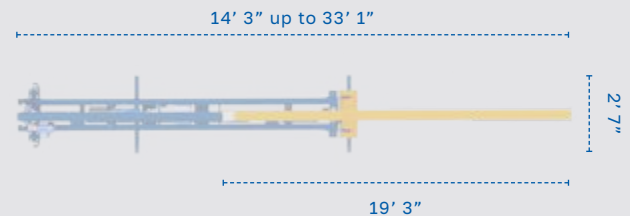
Model options	Standard Heavy Duty Finishing Table Integrated
Safe working load	200 lbs - 1500 lbs (based on model)
Cycle time	45 secs to 90 secs (max)
Integration options	Gravity infeed, Automated Chain Drives (with backstops), Integrated Finishing Table
Automation options	Full Automation (requires Vekta Chain Drives), One-Touch Automation, Remote Operation + Control



See it in action!



TOP VIEW



Remove the need for wasting time and precious staff on manual handling work that can be done more safely and efficiently by the StakPro Truss.

Easy to install, maintain and operate with variable levels of automation to suit your operational needs.

Features

- / Removes the hazardous manual handling task and the risk for one or many people
- / Scalable delivery, finishing and stacking solutions that focus on speed, efficiency and increased plant productivity
- / Modular system – add it to existing rollers or use the our Smart Roller Conveyor for complete automation



Specifications: StakPro Truss

Safe working load (per boom)	175 lbs
Cycle time	25 - 45 secs
Model options	External – standalone Internal – rail mounted
Number of booms per bay	1 minimum - 4 maximum typical

Options

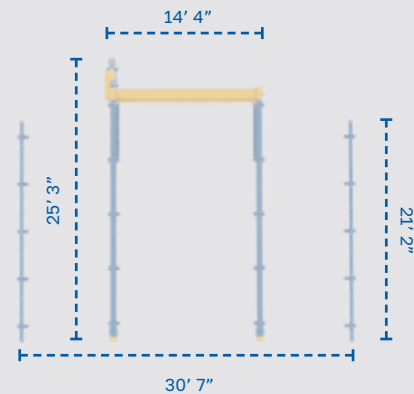
- / Manual operation via remote pendant and/or automation kit
- / Exterior (standalone) and Interior (jig-mounted) options available
- / Integration options – Smart Roller Conveyor (SRC), standard rollers, StakRoller, Truss Transfer



See it in action!



TOP VIEW



Vekta's Truss Transfers are a heavy-duty chain conveyance system designed to move full stacks of trusses.

When a stack of trusses is complete, the Truss Transfers move the stack out of the way immediately to eliminate bottlenecks at the stacking station .

Features

- / Eliminates bottlenecks with immediate truss transfer
- / Takes time pressure off forklift operators
- / Remote control movement at the touch of a button
- / Extremely durable – heavy duty chain conveyance system designed for full stacks and external conditions
- / Simple and reliable to maintain and repair

Specifications: Truss Transfer

Safe Working Load (SWL)	5500 lbs
Height – ground to top of chain	1' 2"
Max height of stacks	3.5 m
Transfer speed	1 ft/sec

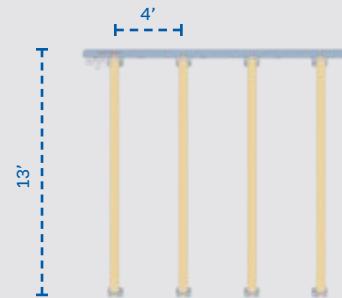
Options

- / Perfect for integration with the Vekta Smart Roller Conveyor and StakPro Truss systems
- / Add later for any StakPro Truss system





TOP VIEW



With Vekta's StakRoller, utilize or recapture precious floorspace whilst increasing your productivity and eliminating bottle necks.

The StakRoller keeps truss stacks in the optimal orientation for picking up with a forklift.

Features

- / Can be built to any length or extended later, conveniently built in bays to facilitate scaling and maintenance
- / Retractable reaction posts allow apex inverted stacking and rolling of trusses
- / Allows for on-the-spot strapping of trusses, moving them quickly and making room for the next set

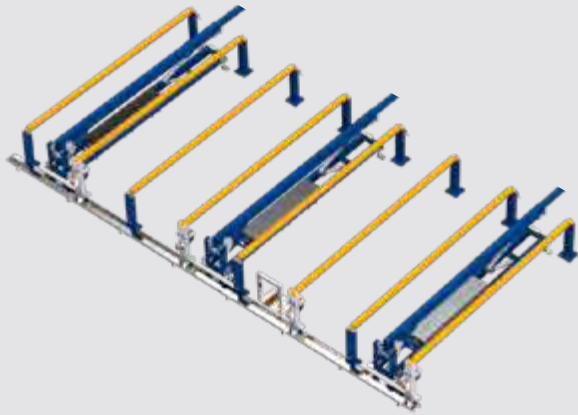


Specifications: StakRoller

Weight limit (60ft span)	10,000 lbs
Speed	1' 7" per sec
Max. stack height	40 trusses
Rollers per set	4
Max. number of rollers	Unlimited

Options

- / Set up multiple bays downstream to organize your flow and truss placement
- / Extra safety features available upon request and can be installed at a later date
- / Potential for single button operation – systems rolls trusses and prepares for the next one



TOP VIEW



The SRC (Smart Roller Conveyor) automatically moves your trusses to the center of the required bay for stacking.

When integrated with upstream systems, SRC knows exactly which bay each truss needs to be delivered to.

The use of a handheld pendant allows the operator to perfect positioning and handle stacking at multiple bays making the process safer, easier and more efficient.

Features

- / Faster, safer, easier and more efficient than manual transfer
- / Designed to suit your layout
- / Every second roller is driven by its own motor
- / Controlled by handheld remote
- / When integrated with upstream systems, SRC knows exactly where each truss needs to be delivered to

Specifications: Smart Roller Conveyor

Width – roller length (truss can be wider)	13'
Height – ground to top of roller	2' 9" (Typical)
Length – roller conveyor line	To suit layout – roller conveyors typically spaced at 4'
Roller drive arrangement	Every second roller is driven by its own motor

Options

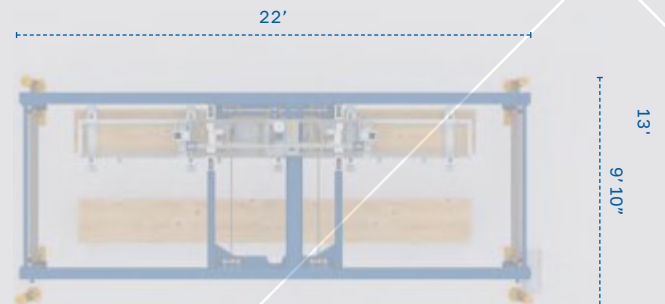
- / Fully customizable automation at the design stage including zone control, multiple bays, auto-stacking, collision avoidance, upstream integration, safety systems





VEKTA VACUUM LIFTER

TOP VIEW



The Vacuum Lifter can be used to stack or destack lumber using vacuum heads – enabling one piece or one layer of lumber to be stacked at a time.

The Vacuum Lifter is a robust, reliable, economical and user-friendly solution to stacking and destacking your lumber.

Specifications: Vacuum Lifter

Lumber size	up to 3' 11" wide x 4" high
Pack size	up to 3' 11" x 3' 11"
Lumber length	1' 8" – 19' 8"
Speed capacity	2 layers per min.

Features

- / Vacuum heads with automatic shut valves standard
- / Touch screen operation
- / Pack tallying
- / Integrated self-diagnostics system

- / Internet ready for remote diagnostics
- / Heavy and robust construction
- / Standard (static) build option or Heavy Duty (gantry movement) available

Options

- / Fillet / slat sweeper (removal) optional
- / Integratable with third party system or standalone operation



EFFICIENT & INTELLIGENT LOOSE LUMBER PICKING



VEKTA
PICKFEEDER

Slowly gathering and organizing loose lumber manually is now a thing of the past. Stand-alone automated picking is here!

With a compact footprint and newly developed software, Vekta's dual-level PickFeeder system intelligently scans, selects, and delivers lumber boards to the stack at lightning speed – eliminating downtime, fatigue, and costly errors.

Features

- / Utilizes the Vekta PackFeeder's dual-level design allowing for optimal space and stock utilization
- / Flexible loading – option to split packs and reconfigure bunk sizes to maximize versatility
- / Bunk space for 14 typical USA sized lumber packs*
- / Manually create a picklist directly on the system and select grade, length and type of lumber or open a pre-existing third party picklist and hit start

Specifications: PickFeeder

Max. number of products per PackFeeder	24*
Typical pick cycle time	15 s (up to 2 boards at a time)
Total picking area	29' 6"
Supported product sizes	Min – 2"x3" x 8' Max – 2"x12" x 20'
Power req.	32 A @ 415 VAC / 480 VAC

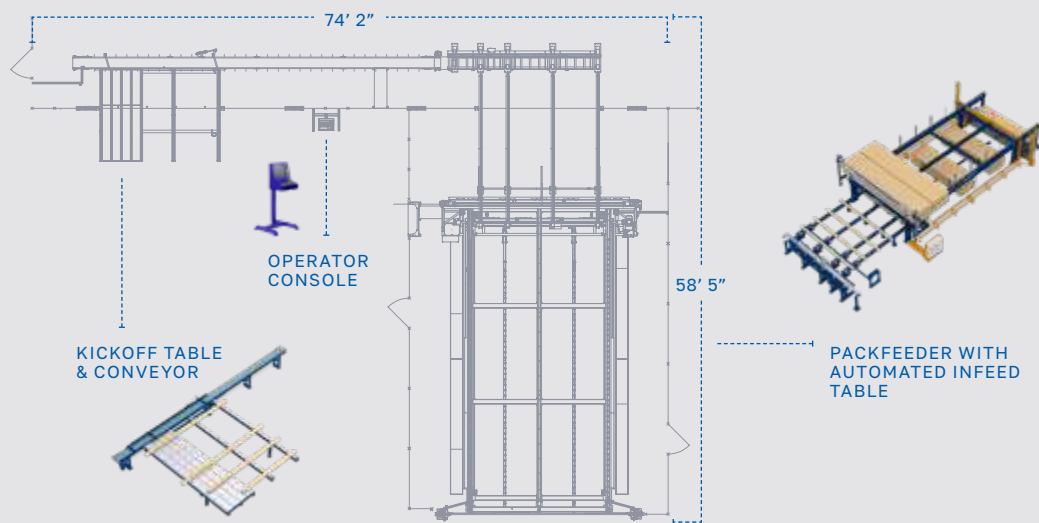
Options

- / Currently being developed and tested to pick non-lumber materials such as sheathing, metals and cement sheets
- / Integratable with third party systems
- / Combine multiple PackFeeders into your PickFeeder system to increase volume or range of product
- / Include Vekta Automated Infeed Table & Direct Delivery System to deliver product to different areas
- / Include stacking and lifting solutions to automate even more of your picking and bundling process
- / Pick and feed a third party saw or pre-pick lumber for jobs in the exact order you need it

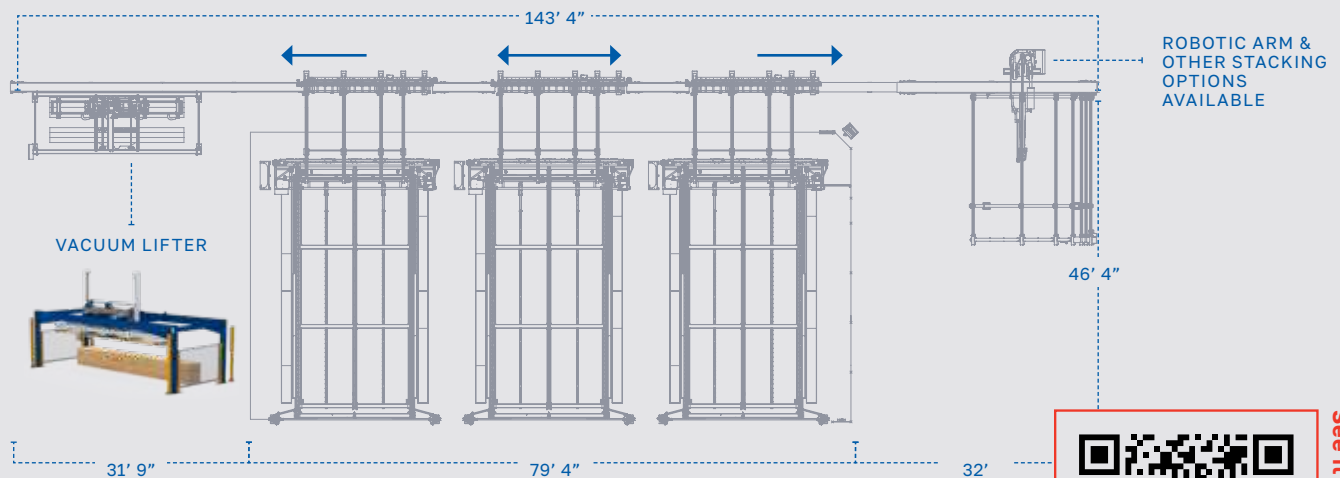
Sample Layouts

The flexible and safe automated picking & delivery system – work with Vekta to develop a fully customized PickFeeder solution to streamline your loose lumber picking.

SINGLE STACK SYSTEM

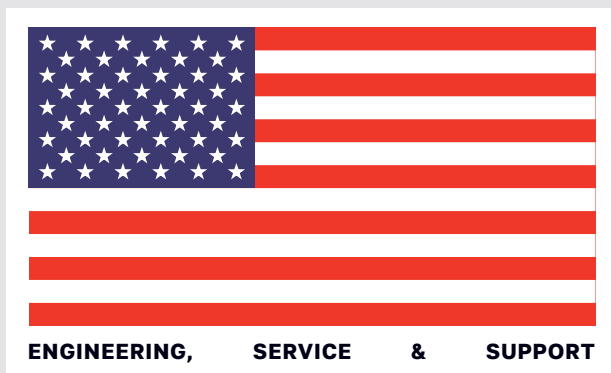


DUAL STACK SYSTEM – 3x PACKFEEDERS, AUTOMATED INFEED, DIRECT DELIVERY SYSTEM CONVEYORS & STACKING OPTIONS



See it in action!

UNDERSTANDING THE VEKTA DIFFERENCE



Vekta understands that automated machinery in a Truss and Frame plant can become your best team member.

If your saw is down, production, deadlines and reputation can also suffer.

At Vekta, nothing takes a higher priority than a customer with a technical problem.



Industry Leading Service & Support:

- / Spare parts held in Minneapolis, Perth, Melbourne, and Auckland
- / Parts can be dispatched on the same day as ordered
- / Online and phone remote support available no matter where you are located

Vekta Rescue – the Always Available Online Guide:

- / Step by step information for problems with software, cutting issues, optimization and printing
- / FAQ's
- / Maintenance procedures – daily, weekly, monthly

- / Dedicated customer support team
- / Post-install consultation to ensure you are getting the most out of your equipment
- / Technicians and Engineers who receive extensive training on all Vekta equipment

- / Training checklists
- / New information is continuously being added to support all Vekta products



Ed Serrano

/ Managing Director

Ed Serrano is the American-born Managing Director of Vekta USA and Vekta Automation in Australia. A mechatronic engineer by training, Ed founded Vekta in 2009 after acquiring the IP for the Razer Linear Saw.

With over two decades in lumber automation, he brings deep plant-level understanding and a relentless focus on systems that genuinely improve production outcomes. His leadership across both markets has shaped Vekta into a recognized innovator in advanced automation for frame and truss manufacturers.



Aaron Bahner

/ General Manager, USA

Aaron Bahner is the General Manager of Vekta USA, leading the business across the USA, Canada and South America. With a Masters of Science in Industrial Technology and decades in heavy industry, Aaron is known for bringing people, processes and ideas together.

He combines hands-on manufacturing experience, Lean manufacturing principles and strong commercial leadership to help customers and teams perform at their best.



/ Vekta's Team

Vekta's team know what it means to be competent and accountable. They know when to act and when to seek help. They know how to best support you and your business.

Vekta's team have an industry-leading reputation for consistently delivering high-quality service to customers in different parts of the globe.



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Global Support

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