VEKTA

ADVANCED AUTOMATION

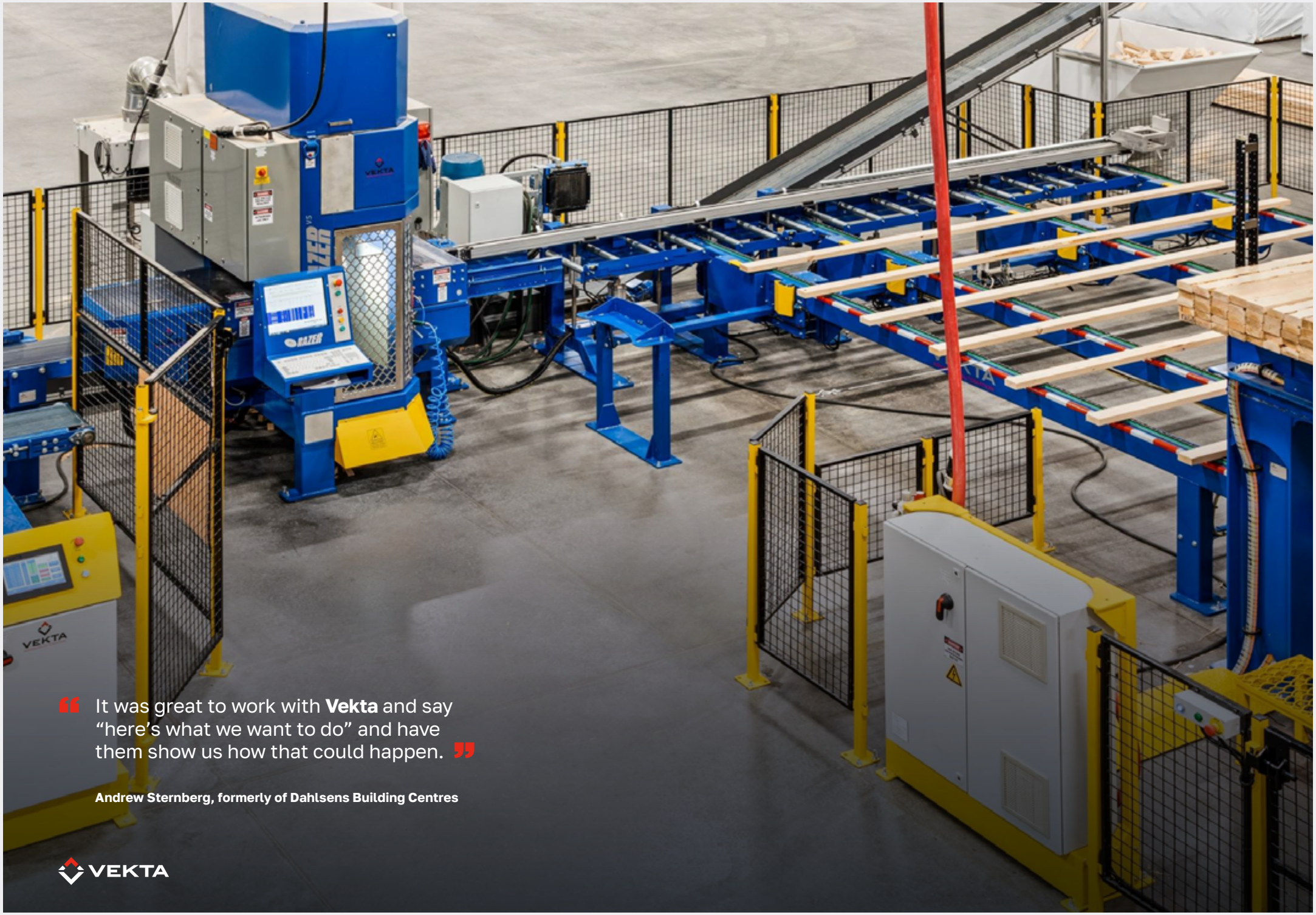
/ SCALABLE AUTOMATION FOR FRAME & TRUSS MANUFACTURERS

# BUILD SMARTER

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

/ CAPABILITY STATEMENT

AUSTRALIAN MADE




> It was great to work with **Vekta** and say “here’s what we want to do” and have them show us how that could happen.

**Andrew Sternberg, formerly of Dahlsens Building Centres**

VEKTA

# UNPACKING THE VEKTA ADVANTAGE


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AUSTRALIAN MADE

ENGINEERING, SERVICE & SUPPORT

ENGINEERING, SERVICE & SUPPORT

# ENGINEERING WITH PURPOSE

Smarter production automation, designed for your business. Not the other way around.

## Who we are

Vekta designs and builds automation for frame and truss manufacturers across the globe. From material handling and saws to printing, conveyance and framing lines, we engineer systems that cut faster, move smarter and keep production flowing.

## How we work

We're engineering-led and customer-driven. Our hardware and software are developed together, our installations are guided by people who understand plant reality, and our support is built to minimise downtime and risk. Everything we make is modular, integratable and designed to complement the way your plant actually runs.

## Why we exist

Every plant faces bottlenecks: labour pressure, wasted movement, workflow issues, excess waste. We build automation that removes those constraints and gives fabricators the ability to run with confidence, day after day.

## What we believe

Automation should adapt to your space, your pace and your production goals. It should be reliable, upgradeable and built to last. Automation solutions should deliver measurable, real-world improvements that unlock your business potential.

# DELIVERED GLOBALLY, SUPPORTED LOCALLY

We are a global company, headquartered in Australia, with boots on the ground everywhere our clients need us.

**Est. 2009**
we are backed by years of industry expertise and innovation.

**400+**
projects delivered.

**Offering 20+**
types of equipment.



# MOST PLANTS BEGIN AUTOMATION WITH A SAW. VEKTA DID TOO.

## Scalable automation for frame & truss manufacturers.

We started Vekta in 2009 with one machine that reset expectations for accuracy, uptime and reliability.

But cutting was only the start of the journey.

Material still needed loading. Jobs needed delivering. People walked more than they built. Assemblers waited. Trolleys blocked flow.

And every plant needed something slightly different to **maximise production.**

- Feeders that load smarter.
- A delivery system that puts members where they are needed.
- Printers that reduce errors and speed up assembly.
- Intelligent rollers, kick-offs and post-assembly stackers designed to fit the smallest footprint.
- Software that optimises to your demands and feeds back in real time.

Every product exists for one purpose: to **remove bottlenecks.**

- Reduce waste.
- Ensure safety.
- Lift throughput.
- Maintain momentum.
- Provide feedback.

Your layout, your building, your software, your nail plates. Vekta integrates into the world you already operate in. No locked ecosystems. No forced choices. Automation that fits.

Some customers automate step by step. Others go straight to full-line automation. Vekta is built for both — modular when you need to grow, and complete when you want a total solution from the get-go.

No two plants run the same way, and they shouldn't have to.

Real automation should adapt to your pace, scale as you grow, and produce less waste, deliver more output and predictable flow.

And it should perform the same on day 1,000 as it did on day one.

**That's why we exist.**
Smarter automation for frame and truss manufacturers who refuse to be boxed in.

# INNOVATION
# BUILT TO PERFORM

What that means to you is...

**Run with confidence**

**Reliable / Supported / Confident**

**Less waste. More output**

**Innovative / Thoughtful / Intuitive**

**Your space. Your pace**

**Modular / Scalable / Streamlined**

**Productivity without bottlenecks**

**Productive / Consistent / Dependable**



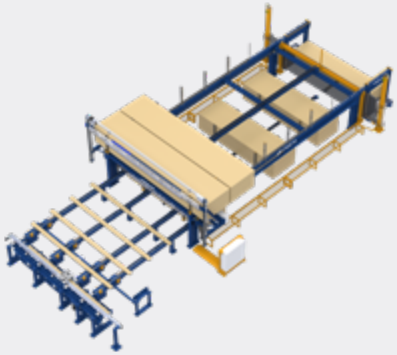

> “Our business is quite small yet we have easily been able to justify purchasing **Razer** saws. I also know that some of the biggest pre-fabrication plants in Australia have **Razer** saws as well, so really, whether you’re small or large they’re a great solution.”

**Nick Steens, Independent Timber Supplies**

# MORE THAN A SAW

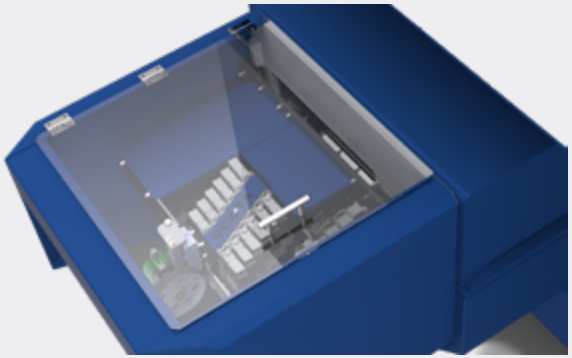
Vekta builds the automation that strengthens every stage of frame and truss production, from how timber is loaded, cut and printed, to how it moves, assembles and flows through your plant.

That's why Vekta's solutions are designed as a modular ecosystem, each part performing on its own, and transforming what your plant can do when combined.



### PackFeeder & Fully Automated Infeed

Load timber faster, safer and with no errors including flipping for bow and double stacking.



### P3 Printing

Flexible & precise markings that remove guesswork and support building.



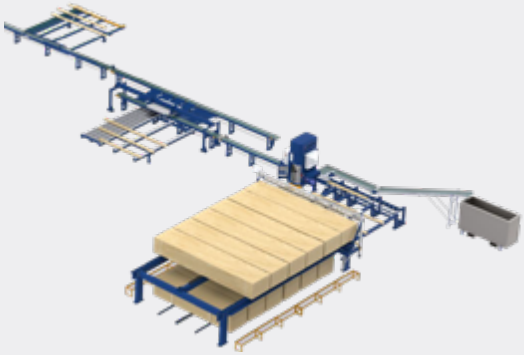

### Razer

High-speed, accurate cutting for trusses, walls and floors.



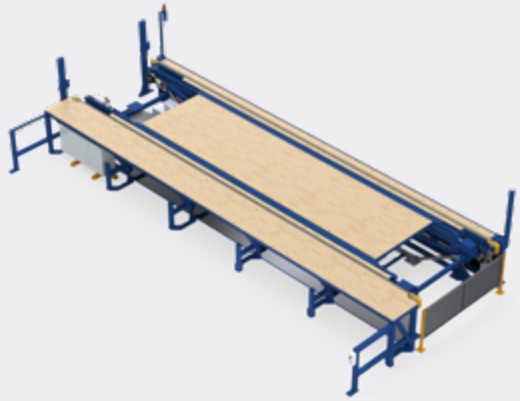
### Real-Time Optimisation

Reduce waste and cut multiple jobs at once with dynamic flow control and remote recuts.



## Direct Delivery System (DDS)

Move components where they need to be, in the correct order and with fewer touch-points.



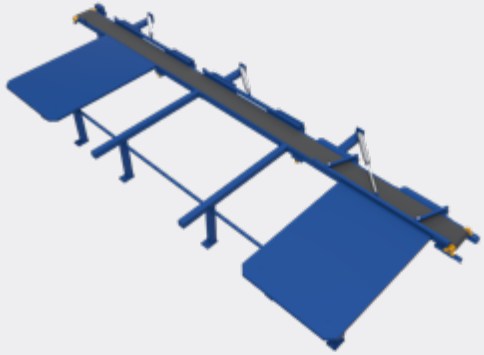
## Fabrication Tables & Tools

Improve assembly speed, accuracy and ease of work.



## Delivery & Stacking

Deliver and stack finished trusses and frames quickly and prepare them for transport.



## Conveyors & Component Handling

Organise jobs, eliminate trolleys and keep flow consistent across shifts.



## Framing & Assembly

Streamline frame fabrication through modular component assembly and delivery.




## Engineering Support & Updates

Keep systems performing with hands-on engineering support and online assistance.

# ENGINEERING WITH YOU, NOT AT YOU

Vekta's approach is practical and engineering led. We design for accuracy, durability and real-world reliability. Our global team provide hands on support and continuous improvement.

We work closely with fabricators to ensure automation performs in their unique environment.

When you choose Vekta, you gain a partner invested in your long-term success.



### Built on real experience

Innovative, smart automation shaped by people who understand how frame and truss plants actually run and what it takes to keep production moving.



### Grounded in collaboration

A partner who listens, shows up and understands your operation and who supports your team through installation, improvement and the realities of daily production.



### Designed for flexibility

We design to adapt, not lock in. Automation that fits your layout, your space and your workflow. Updates in functionality and design are available to all Vekta users upon release.



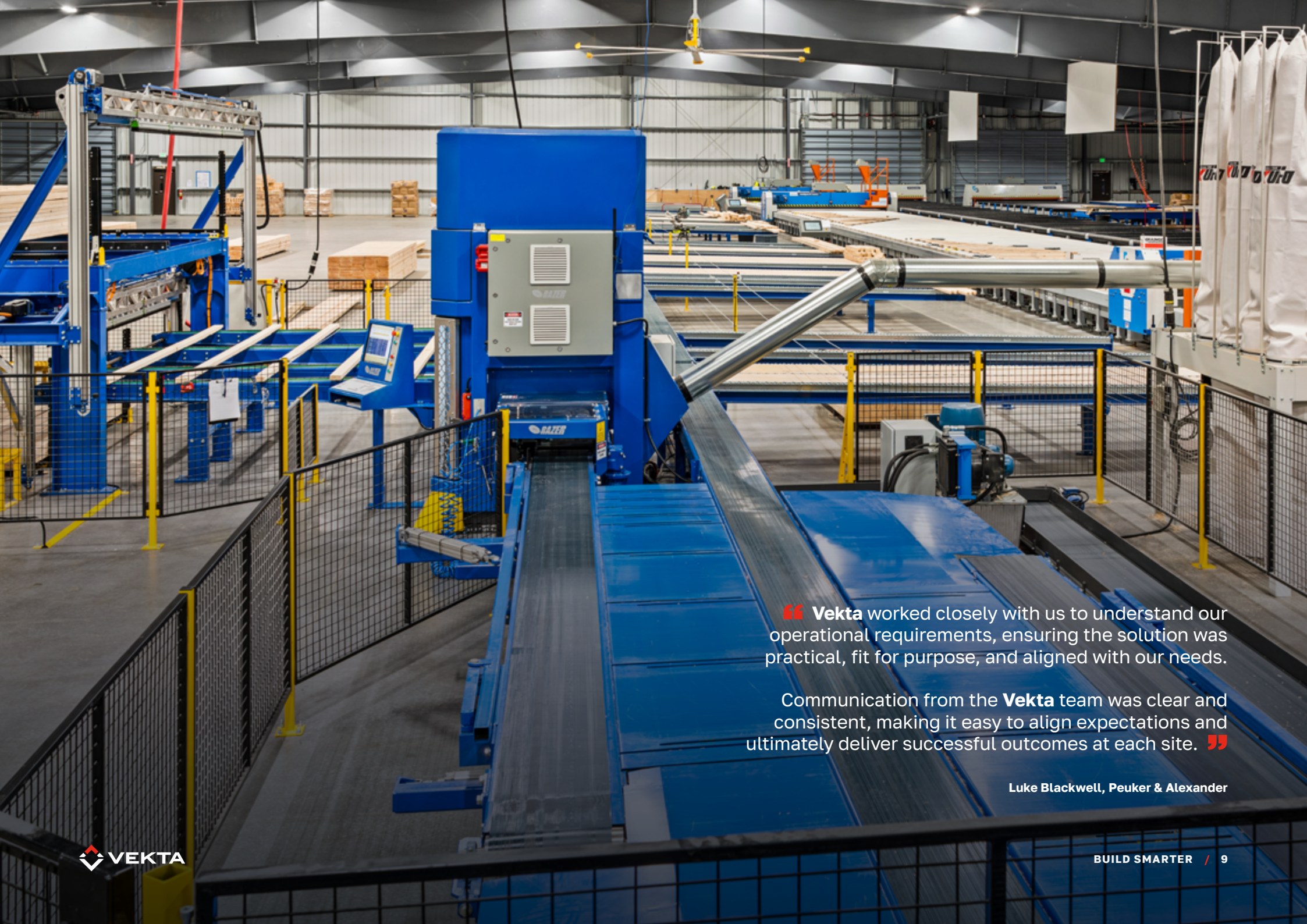
### Eyes on the future

All Vekta upgrades are backwards compatible. We don't believe in making existing equipment obsolete, meaning your equipment stays relevant well beyond the initial purchase date.



### Driven by discipline

Smarter production only matters when it is reliable. Our engineering, processes and quality standards ensure stable and predictable performance across every shift.



> **Vekta** worked closely with us to understand our operational requirements, ensuring the solution was practical, fit for purpose, and aligned with our needs.
>
> Communication from the **Vekta** team was clear and consistent, making it easy to align expectations and ultimately deliver successful outcomes at each site.
>
> **Luke Blackwell, Peuker & Alexander**

# ENGINEERS WHO STAND BEHIND THEIR WORK

## Vekta's strength comes from its engineers.

The people who design the systems are the same people who install them, support them and improve them. They understand the realities of fabrication. The tight spaces, the production deadlines, the pressure of keeping a line running and the need to get things right the first time.

Customers value Vekta because our people bring clarity and confidence to complex plants. They speak your language, understand your workflow and know how to solve problems without adding noise. Support is direct and practical. Advice comes from real experience. When production is on the line, you talk to someone who knows your equipment and understands your plant.

This approach builds long-term relationships. Customers stay with Vekta because they trust the people behind the systems as much as the systems themselves.

# ENGINEERING EXPERTISE AT EVERY LEVEL



## Ed Serrano

/ Managing Director

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

With over two decades in timber 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 recognised innovator in advanced automation for frame and truss manufacturers.



## Morad Sharif

/ General Manager, AUS/NZ

Morad Sharif is the General Manager for Vekta Australia, leading commercial operations and customer partnerships across the region. With a mechanical engineering background and extensive experience in plant automation and capital equipment delivery, Morad works closely with manufacturers to improve throughput, efficiency and long-term plant performance.

Thanks to comprehensive training in Lean manufacturing, Morad is known for his practical, solutions-first approach, connecting engineering capability with operational realities on the factory floor. Morad focuses on collaboration, clarity and measurable outcomes, helping ensure Vekta systems are not only innovative, but genuinely valuable to the businesses that rely on them.



## 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, process 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.

# HOW PLANTS GROW WITH VEKTA

From a single saw to full-plant automation, our solutions and approach are built for how you work and designed to suit your space, and your pace of rollout.




**Cutting:**
**Start With The Razer Saw**

The foundation of modern automation.

- Razer V5/S5
- P3 Printer

01.

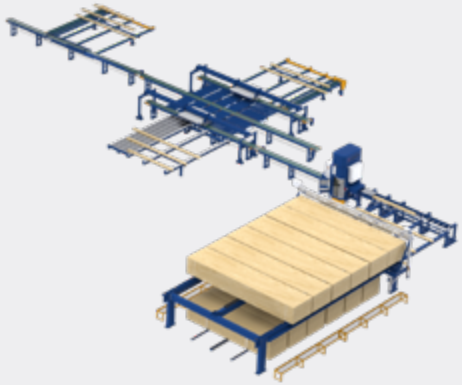


**Infeed:**
**Add Smarter Infeed**

Timber loaded at pace, without the strain.

- PackFeeder
- Auto Infeed Table
- Stak N Gap

02.

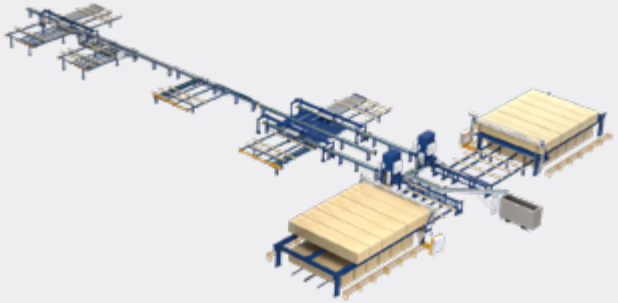


**Outfeed:**
**Add Smarter Outfeed**

Keep jobs moving. Keep production predictable.

- Direct Delivery System
- Single Direction Kickoff
- Dual Direction Kickoff
- Destacking Kickoff
- Standard Kickoff

03.



**Delivery:**
**Add Conveyors and Transfers**

Movement without walking, lifting or waiting.

- Conveyors
- Transfers
- Gravity Kickoffs
- Powered Kickoffs
- Incline Conveyors
- Serving Multiple Saws

04.

# CONTINUE TO EVOLVE WITH VEKTA

Automation that grows as your business grows. Upgrades, expansions and ongoing support ensure your system performs year after year. Vekta continues improving modules, software and processes as the industry advances.

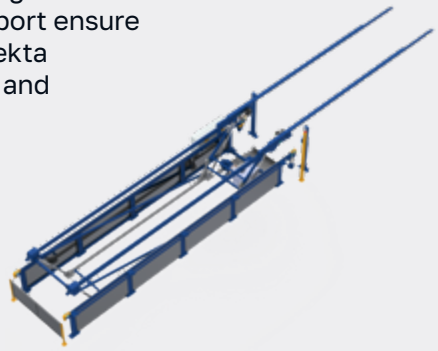


## Frame Fabrication:
### Add Nailing and Assembly Automation

Turn throughput into finished product.

- Manual & AutoNailers
- Finishing Tables
- Component Assembly
- Buffered Delivery

**05.**

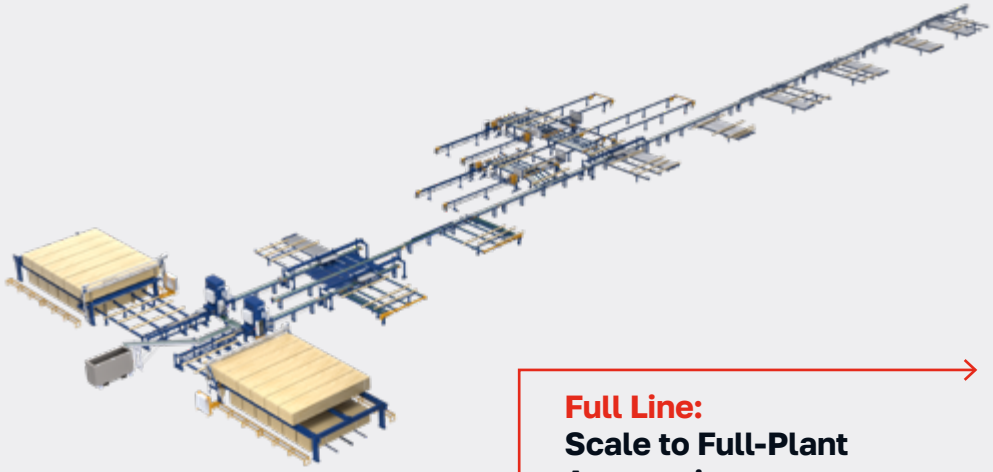


## Stacking and Handling:
### Add Stacking and Handling Automation

Automated delivery and stacking with no labour.

- StakPro Frame
- StakPro Truss
- Smart Roller Conveyors
- Smart Chain Transfers
- Truss Transfers

**06.**



## Integration:
### Integrate With Your Plant

Automation that fits what you already use.

- Software integration
- Software Customisation
- Nail Plate Compatibility
- Layout Flexibility
- Serving Multiple Saws
- Statistics & Feedback
- Local & Remote Support

**07.**

## Full Line:
### Scale to Full-Plant Automation

Grow step by step or install everything at once.

- Infeed
- Cutting
- Outfeed
- Direct Delivery
- Sorting
- Assembly
- Stacking

**08.**

# FROM MANUAL BOTTLENECKS TO MULTI-PHASE AUTOMATION

**Australia**

A staged automation journey that grew a single operator saw into a fully integrated plant — cutting waste, labour, downtime, and bottlenecks with each upgrade.

Worldwide Truss & Frames partnered with Vekta over multiple phases of plant expansion. Beginning with a Razer V5 and Automated Infeed Table, they incrementally added PackFeeder, framing automation, conveyors, stacking, and finally DDS + RTO.

Each upgrade was customised to the plant layout and workflow, enabling continuous performance gains without full-plant shut-downs. The result is an end-to-end automated line that adapts to rising demand and remains scalable for future phases.

> “One of the biggest benefits of working with **Vekta** is that they’re willing to listen to your ideas and bring that together with their own ideas so that there’s a win-win.”

**Clinton Wells, Managing Director, Worldwide Truss and Frames**

HEAR MORE FROM WORLDWIDE & SEE THEIR PLANT HERE

# FULL-PLANT AUTOMATION FROM DAY ONE

**Washington, USA**



An early US site to adopt a true Direct Delivery System, multiple Razers, PackFeeders and full-line integration, built to solve labour pressure and production flow.

TrussCo Centralia partnered with Vekta to create one of the most automated plants in the United States. By combining multiple saws, PackFeeders, and a bespoke DDS, the plant can process and deliver components in sequence directly to assembly.

The system supports Just-In-Time cutting, multiple job streams, and reduced manual handling — removing bottlenecks and enabling consistent high-volume production.

> "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, V.P. of Manufacturing**

**SEE TRUSSCO'S PLANT IN ACTION**

VEKTA

# AUTOMATION BUILT FOR DIFFERENT PLANTS, DIFFERENT MARKETS

Vekta systems operate in plants of every size, from compact independents to large, high-volume manufacturers.

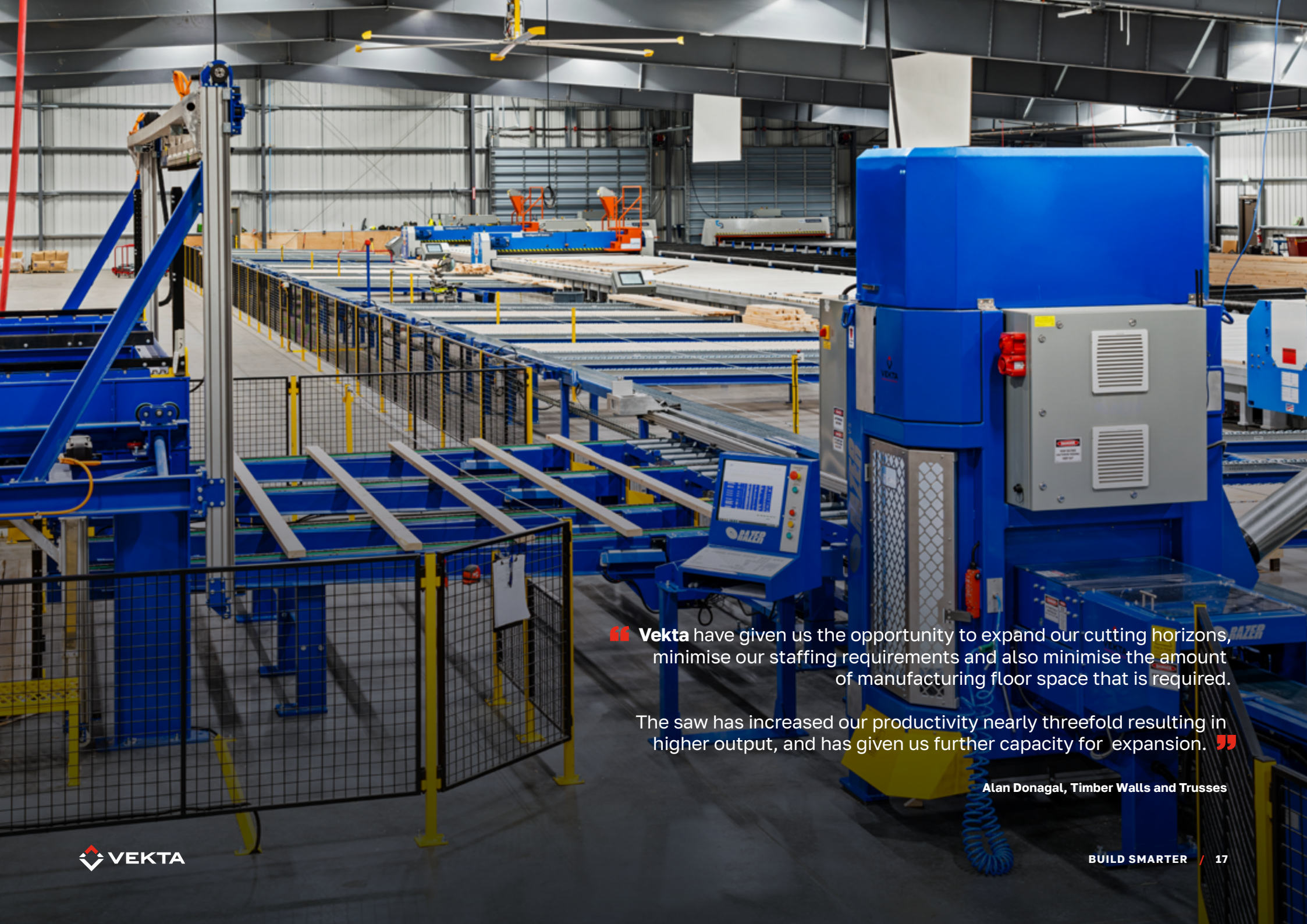
Our automation is designed to fit different layouts, workforce profiles and production pressures, and our support teams stay close to the plants we serve.

Wherever we operate, customers choose Vekta because we respond quickly, support them on the ground and keep their production running with consistent performance. Our modular systems let plants start where it matters most, scale over time, and maintain stable output through reliable engineering and timely service.

## Who We Support:

- **Independents and owner-operated plants**
- **Multi-site groups and distributed networks**
- **Corporates scaling manufacturing capacity**
- **Space-restricted plants**
- **High-volume operations**
- **Growth-focused plants**

**Flexible / Scalable / Proven**



> **Vekta** have given us the opportunity to expand our cutting horizons, minimise our staffing requirements and also minimise the amount of manufacturing floor space that is required.
>
> The saw has increased our productivity nearly threefold resulting in higher output, and has given us further capacity for expansion.
>
> **Alan Donagal, Timber Walls and Trusses**

# AUTOMATION THAT FITS PERFORMANCE THAT LASTS

**Adaptable / Capable / Reliable**

Most automation providers expect plants to adapt to their machinery. Vekta takes the opposite approach. We engineer machinery that adapts to the plant.

Our systems are modular, space efficient and upgradeable. Our software is built for now and the future. Our support teams work closely with fabricators across the industry.

Fabricators choose Vekta because we solve bottlenecks, improve flow and help plants run with confidence.

### Proven internationally

Performance proven across AU, NZ, US and CAN.

### Engineering-led support

Support that reduces downtime and risk.

### Measurable gains

Increases in speed and accuracy. Reductions in waste and labour reliance.

### Designed to integrate

Compatible with leading design, nail plate, and plant systems.

### Modular systems

Modular systems that expand and adapt with plant requirements.





> The speed and volume of components cut by the **Razer** in one shift is impressive, accuracy of components cut as well as the checking system to ensure the operator loads the correct timber size is a great quality control measure.

**Nathan Salam, Sydney Frames and Trusses**

# IT'S TIME TO BUILD SMARTER.

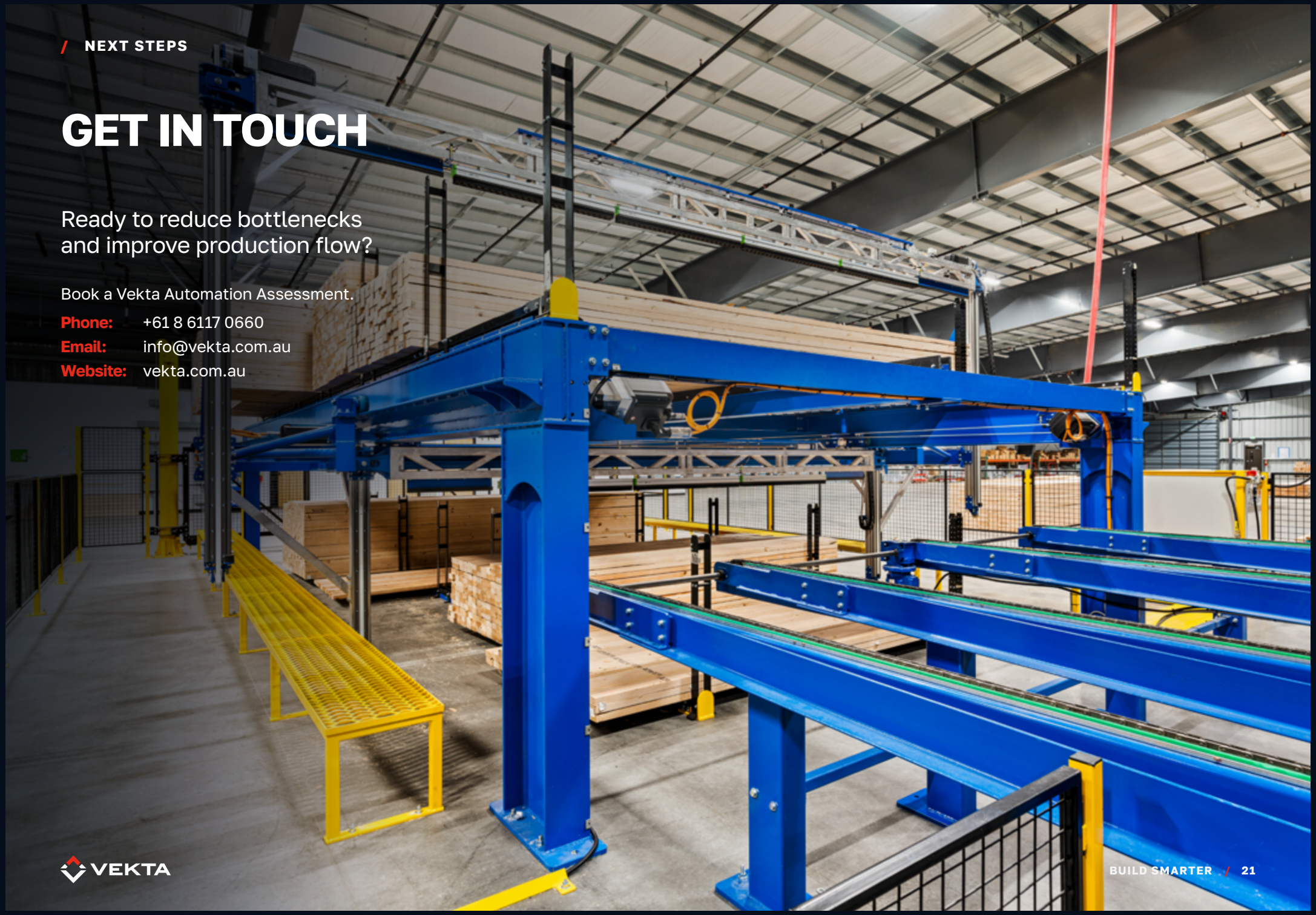
- Higher throughput across peak periods
- Consistent and quantifiable uptime
- Lower waste through more accurate cutting and scheduling
- Stronger control over quality and assembly accuracy
- Improved flow with fewer touch-points and less handling
- Faster onboarding for new operators
- Lifting output without increasing labour pressure

# GET IN TOUCH

## Ready to reduce bottlenecks and improve production flow?

Book a Vekta Automation Assessment.

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