

## THE EXCELLENCE ISSUE



# SIMPLE V9

## Error reporting made easy!

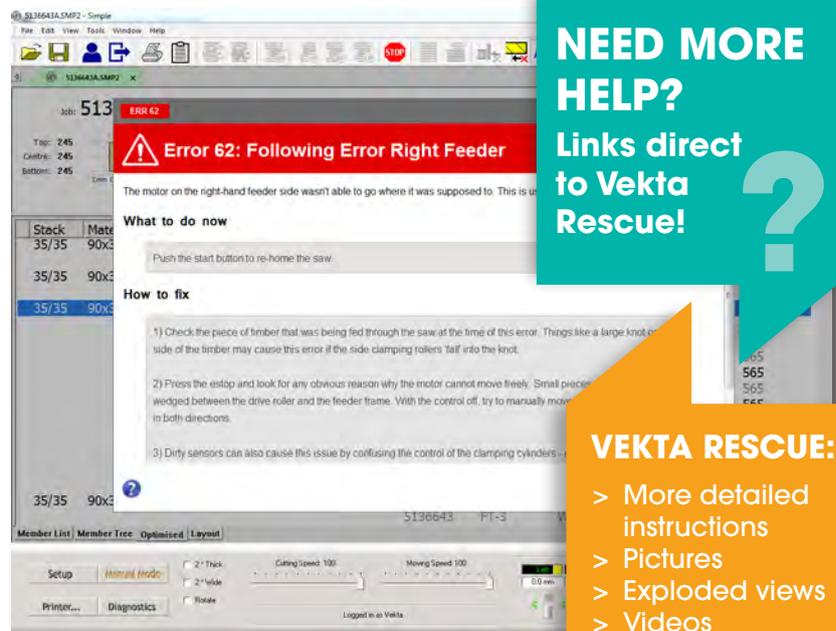


Simple V9 has focused on updating and further simplifying the diagnostic and error reporting systems for the Razer Saws.

The instructions, details and language used have been written for a target audience of a young teenage operator with no formal experience in machinery or the Truss and Frame industry. The aim is to provide such an operator with every opportunity possible to solve problems without needing any additional help, therefore, reducing your downtime.

### Changes include

- Reports which are easier to understand
- Clearer format for display
- Detailed information for resolving each issue
- Basic overview section
- 'What to do now' section (short-term solution)
- 'How to fix' section (long-term solution)
- All errors use a code number for easy reference
- Integrated with Vekta Rescue. Links error reports with more comprehensive information and solutions
- Saves a snapshot of the machine situation when an error occurs. If assistance is needed, this helps Vekta support staff to resolve the issue more quickly. Includes:
  - Current operator
  - Exact time & date of error
  - Current file in use
  - Current position in running job
  - Current settings



**NEED MORE HELP?**  
Links direct to Vekta Rescue!



### VEKTA RESCUE:

- > More detailed instructions
- > Pictures
- > Exploded views
- > Videos
- > Other suggestions



THE EXCELLENCE ISSUE

PRIORITY 1



INNOVATION

2016 is the year of innovation at Vekta with the continued development of our entry level linear saw.

Our engineers are busy designing a new saw that will be safe, high speed, accurate and flexible. The best part - all of this will be available at a price which is set to compete with new semi-automated pull-saws!

MEET THE VEKTA TEAM Q&A

Meet Daniel Schmid, our service technician

Tell us a bit about your family?



I have been married to my beautiful wife, Joannah, for just over a year or so, and we have a dog Millie... Well I know she's a dog, but I don't think she does!

What helped you decide you wanted to work at Vekta?

My wife says I'll never grow up! But, I always wanted to be an archaeologist.

What did you want to be growing up?

After working in the Defence force and the oil and gas industry, I wanted to work in an industry where you were dealing with customers face to face on a daily basis. Since joining Vekta I have found that when you can resolve an issue for our customers and get them back on track it is a very rewarding feeling. I enjoy knowing that I've found a solution to their problem and they are happy with the outcome.

Before working at Vekta, what was the most unusual or interesting job you have ever had?

I was in charge of a small group of maintenance techs on board submarines. I had to find solutions to issues daily and there was pressure to ensure the job was done correctly first time every time. The nature of the work meant that I had to have a very good understanding of the submarine machinery.

What has been your favourite memory/achievement at Vekta?

I've only just started with Vekta, but have already enjoyed the close feeling that the team has. I have enjoyed finally understanding how our Razer Saw works and I am currently in the process of writing up all our maintenance and servicing procedures that our customers will be able to access online to further improve the customer service that we provide.

THE EXCELLENCE ISSUE

# VEKTA RAZER V5 vs S5

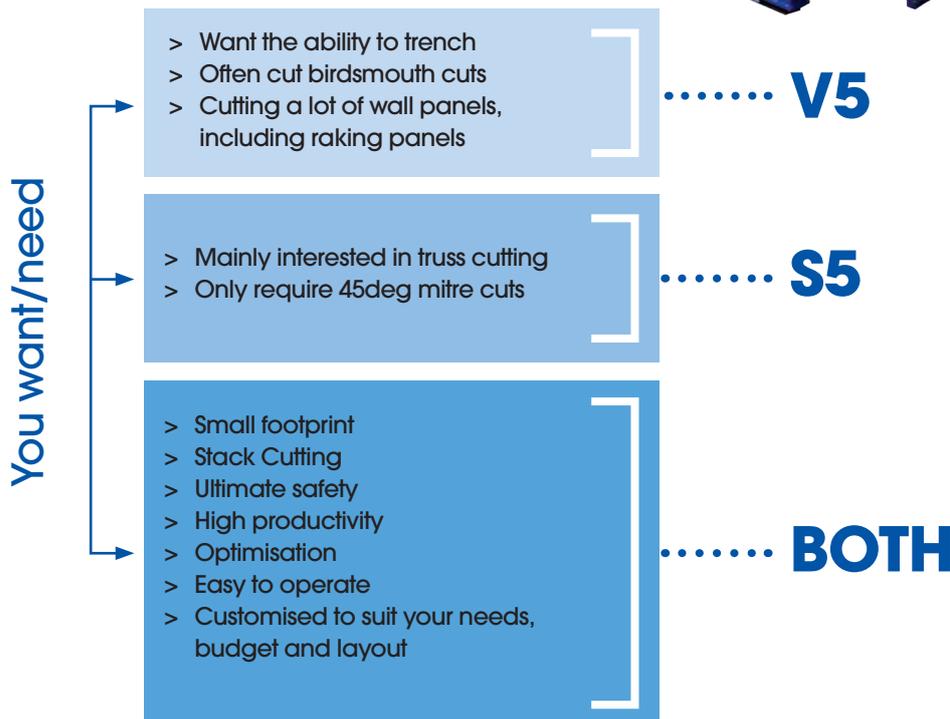
**A common question is 'What is the difference between the the V5 and the S5 Vekta Razer?'**

Basically, the V5 is the full-featured version of the Razer saw and is designed to have maximum flexibility and capability. The V5 can perform - trench cuts, drilling, mitre cuts at various angles, courtesy cuts (shallow cuts on the underside of wall bottom plates on either side of the door openings), zero-overcut birdsmouth cuts and several other functions.

However Vekta recognised that many truss plants wouldn't require a number of these abilities. Therefore, the S5 was developed to suit a plant that was primarily interested in cutting common roof truss components and perhaps basic, non-raking wall frames. By replacing some of the servo-driven movements on the V5 with pneumatic actuators and the hydraulic motor with a high-density servo motor for the saw blade itself, the result was a saw that was better suited to many truss plants and about 25% less expensive than the original V5 Razer. Customers should only pay for what they need!



## Which Vekta Razer Solution suits you?



## OUR CORE VALUES

**From engineering and design to the manufacturing of products and building relationships, Vekta upholds these core values.**

### SAFETY

IT'S TOP OF OUR LIST

From design to engineering, manufacturing, install and training - safety supersedes everything at Vekta.

### EXCELLENCE

OUR PRODUCTS LEAD THE WAY

At Vekta, we are continuously striving for excellence in our engineering, manufacturing, software and customer relations

### TECHNOLOGY

WE'RE ALWAYS INNOVATING

Vekta is highly adaptable and we pride ourselves on providing innovative technological solutions that are customised for each individual business and their unique needs.

### CUSTOMER FOCUS

WE'VE GOT YOU COVERED

From buying, installation, training and technical support Vekta focuses on the customer- their needs, their requirements, their satisfaction.

## THE EXCELLENCE ISSUE



# ELUCIDATING WITH ED

*Elucidate (v) Make something clear; explain; illuminate; shed light on*



## UPTIME KILLERS

Linear saws are designed to be highly flexible and highly automated – shouldn't the saw be running virtually 100% of the time? Probably not - unless your plant is abnormally automated or you happen to be living in a fairy-tale! Here are the top five things I've seen that adversely affect your up-time:

### Timber not ready

This is probably the biggest up-time killer and is usually the easiest to sort out. The saw isn't working for you if it doesn't have timber going through it and timber won't be going through it if there's nothing loaded on the livedecks. Most linear saws will give you the ability to print off the material picklists in advance – for good reason! Simply ensure that a policy is established that there is ALWAYS to be timber on the livedecks. Jobs should be picked in advance and even if there is only a few minutes left in the shift and the operator knows he isn't going to start cutting the next job today, that livedeck should have timber on it! It should be ready to rock and roll first thing in the morning.

### Small job sizes

When most linear saws finish cutting a job file, cutting stops - clearly. While it might not seem like the saw is sitting idle for long periods between jobs, the reality is that this 'break' continues until the operator has finished whatever it was they happened to be doing at the time. This might only be a minute but it could also be 20 minutes. The point is that the 'break' provides an opportunity for the saw to stop cutting. Period. The more often this opportunity occurs, the lower your saw's up-time is. Try monitoring the number of components in job files, or at the very least, the number of files cut in a given day. Speak with your nailplate supplier and/or saw manufacturer about ways to get around this scenario.

### Incorrect timber picking

This is like a passenger in your car yanking on the park break as you're zipping along a freeway. Not particularly funny. If a picker makes repeated mistakes in loading the timber in the correct order, I hate to say it but they might be better in another position – say

pushing a broom. Getting the timber in the right order isn't a particularly difficult thing to do but it's critical to making sure your linear saw is running at capacity.

### Recurring Errors and Warnings

Linear saws are complicated and built to be highly flexible. I'm sure they all have comprehensive diagnostics systems which will flag errors and warnings if something isn't right. But these should ONLY happen when something isn't right. If your operators are seeing a warning or an error displayed regularly, the questions why should be asked. If it's related to something that you would consider 'normal' for your plant, I suggest you talk to your saw manufacturer about how to minimise the error. Nothing 'normal' should ever be seen as 'abnormal' by the saw.

### Too many steps

Your operator is there to operate your saw. If he isn't there, then your saw isn't operating. Keep an eye out for his movements during the day. If he's having to travel away from the saw to get timber, another job to cut, paperwork, push a trolley somewhere, searching for a trolley, (you get the idea) your saw most likely isn't running. You want that operator tethered to that saw like a dog on a chain! Spending a little time minimising the number of steps he has to travel away from the saw will save you big time in the long run.

*Ed Serrano is the Managing Director of Vekta Automation. Ed has more than 10 years of experience with the Prefabricated Truss and Frame industry, all of which has involved the Razer linear saw and other forms of automation. With a solid understanding of the conditions and needs of truss plants and his experience in industrial automation, he has helped many plants overcome machinery obstacles and has been instrumental to the success of the Razer saws.*