



INJECTION MOULDING **FOR** ROTATIONAL MOULDING



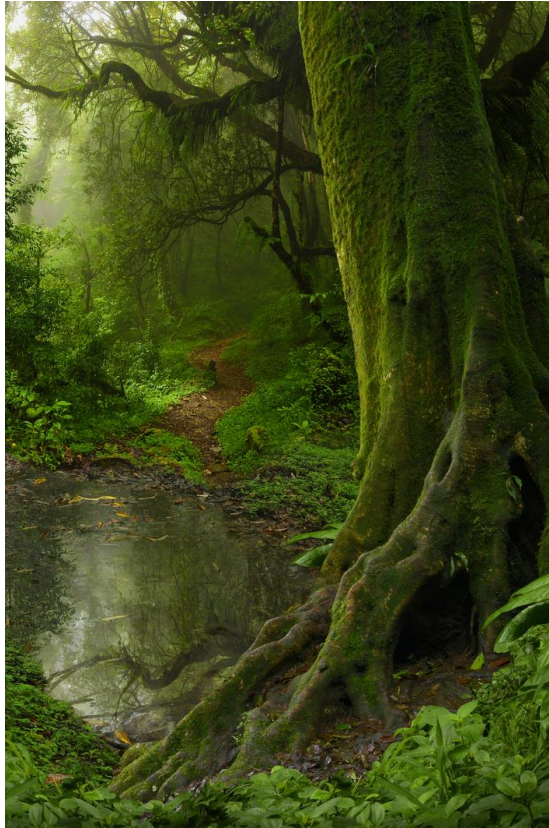
THE HISTORY OF ROTO QUIP

# Let's start at the beginning.

Established in 1994, Roto Quip entered the rotational moulding industry with a clear goal: to supply injection moulded components to the rotational moulding industry, primarily for rotational moulded tanks. Since then, our journey has been one of continuous growth and innovation.

With our in-house design and mould-making facilities, we've honed our ability to deliver top-tier products, earning us a global reputation as leaders in the supply of lids, fittings, and accessories for rotational moulded tanks.

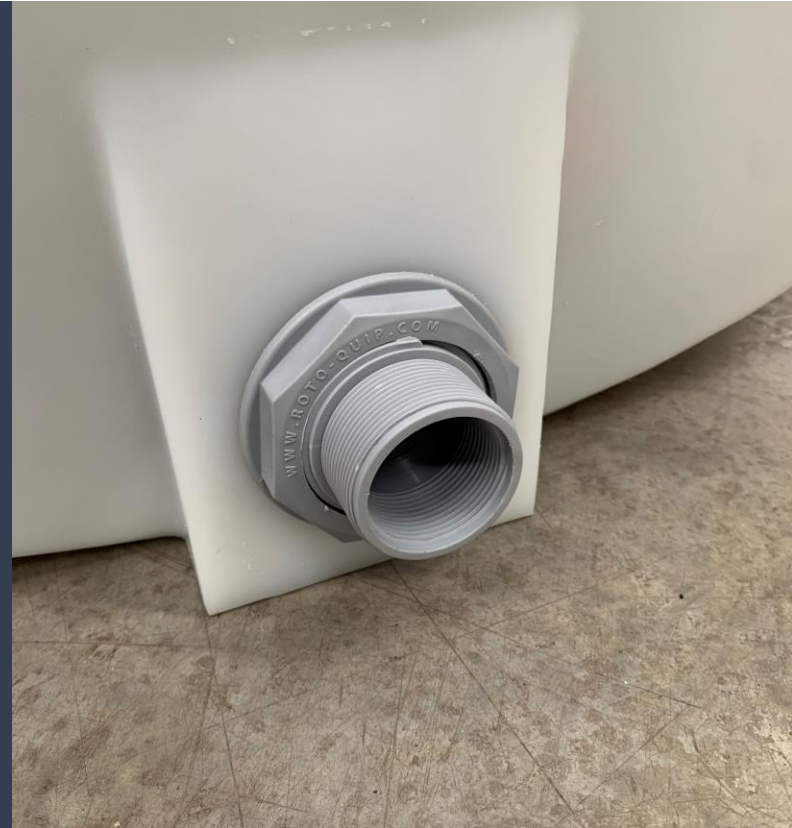




THE HISTORY OF ROTO QUIP

# Where we are Going?

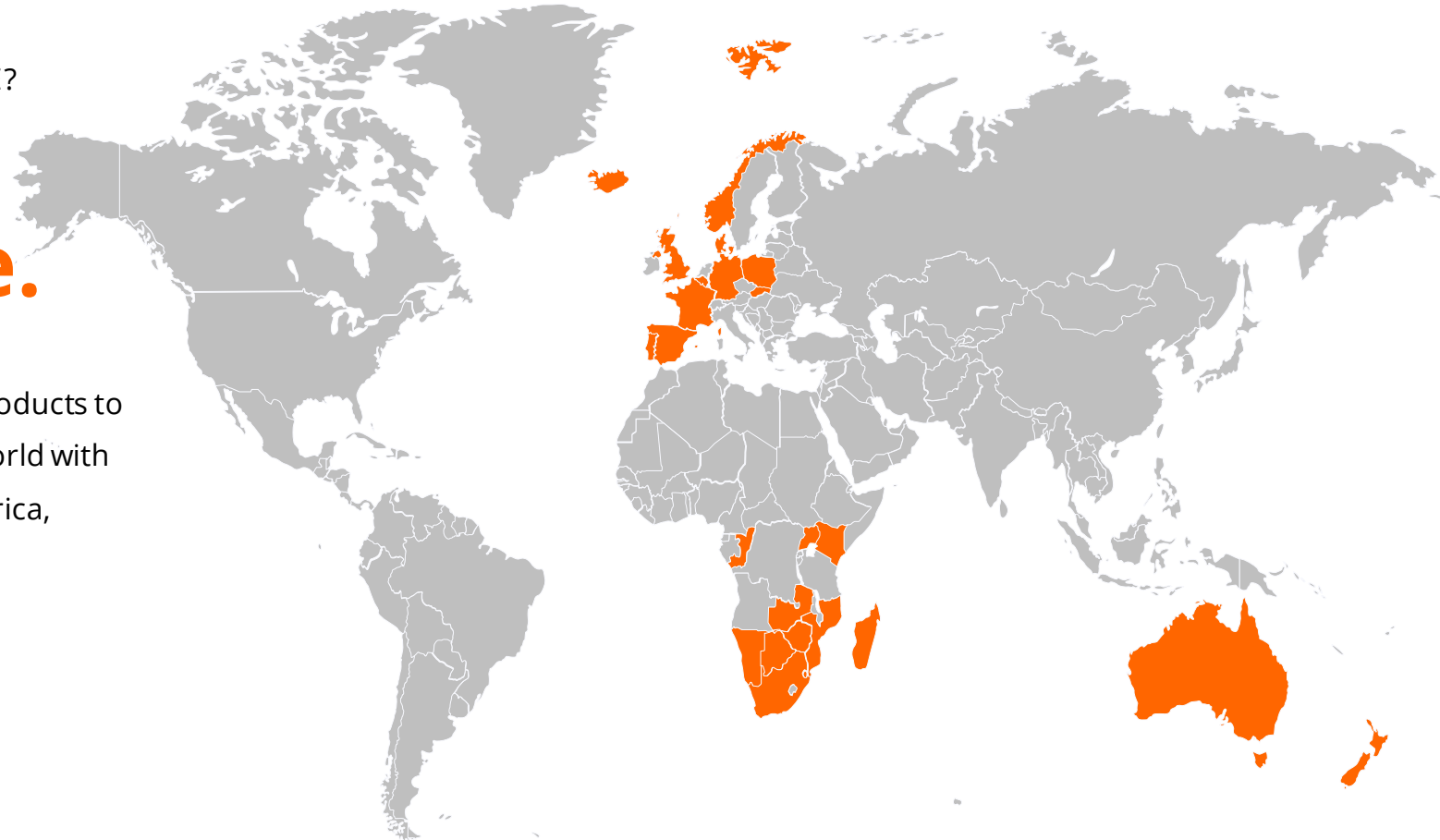
But we haven't stopped there. Recognizing the need to adapt to changing market dynamics, we've expanded our focus to include a wider range of injection moulded products for the rotational moulding industry as a whole.



WHERE DO WE OPERATE?

# Global Presence.

We currently export our products to 24 countries around the world with our primary focus being Africa, Australia and Europe.



# Product Offering.



Lids - Lid and Ring

**SIZES**

250mm to 450mm



Lids - Cap Style

**SIZES**

65mm to 175mm



Male Bulkhead Fittings

**SIZES**

15mm to 100mm



Female Bulkhead Fittings

**SIZES**

15mm to 50mm

# Product Offering.



**TORNADO Spin Weld**

**SIZES**

15mm to 50mm



**Baffle Balls**

**SIZES**

355mm



**Filter Screens**

**SIZES**

250mm and 450mm



**Vents**

**SIZES**

Various



THE HISTORY OF ROTO QUIP

# We are ready to work with you.


At Roto Quip, we're always eager to collaborate with new customers on exciting projects. Whether it's refining existing designs or exploring new avenues, we're committed to delivering excellence every step of the way. Let's create something extraordinary together.

Let's Talk

# What's Next?

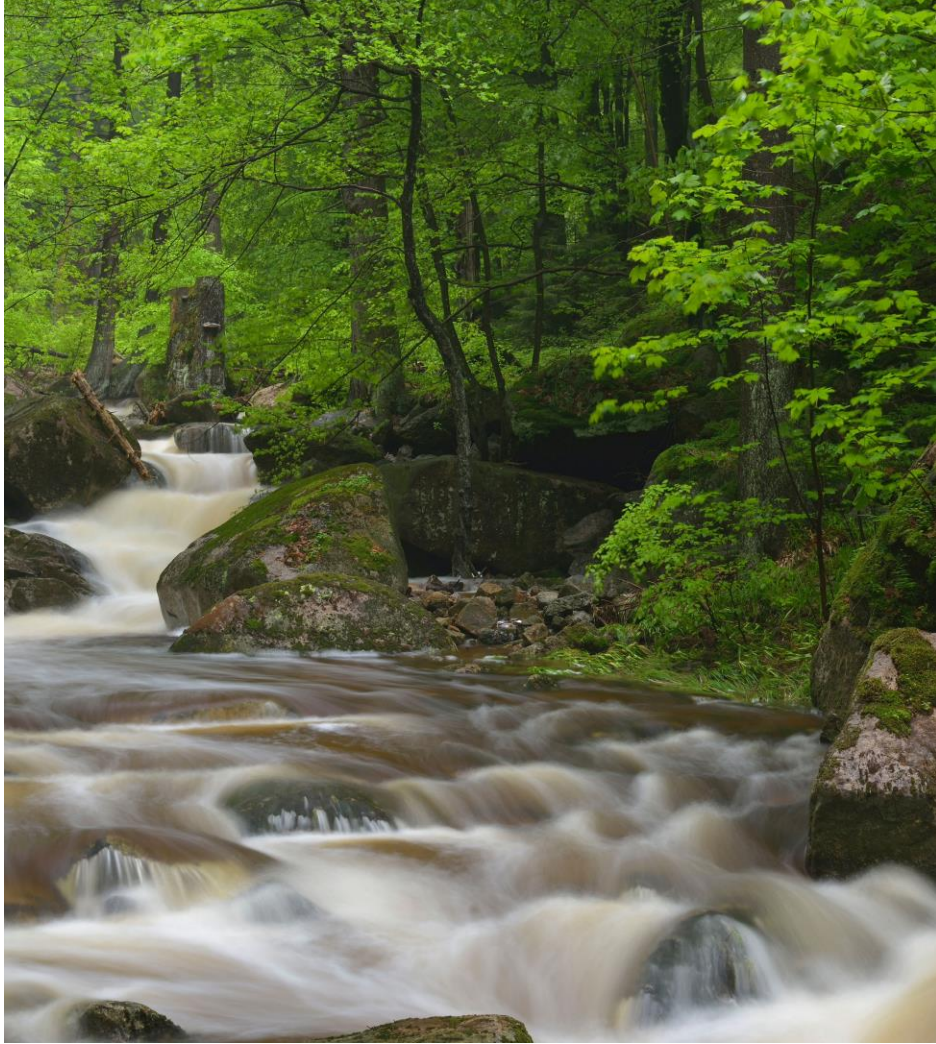






**That which can be  
measured,  
can be improved.**

~  
Peter Drucker



# ROTO iD

## THE SIMPLE SOLUTION

ROTO-iD is a groundbreaking production management solution specifically engineered for the rotational moulding industry, harnessing the transformative capabilities of RFID (Radio-Frequency Identification) technology. ROTO-iD represents a paradigm shift in manufacturing operations, offering unrivalled efficiency, accuracy, and traceability throughout the production and product lifecycle.

Explore

ROTO-ID – THE SIMPLE SOLUTION

# What's the big Idea.

ROTO-iD focuses on Post-Mould Production efficiencies via RFID technology. The "Track and Trace" functionality of RFID technology allows ROTO-iD to track production through the various post moulding processes.

Post moulding process, such as assemblies, are divided up into workstations. At each workstation has a predetermined amount of work needs to be done to a product before it can move to the next workstation, similar to the concept of the assembly line.

Moulding  Stock



# ROTO-iD – 3 Part Solution.



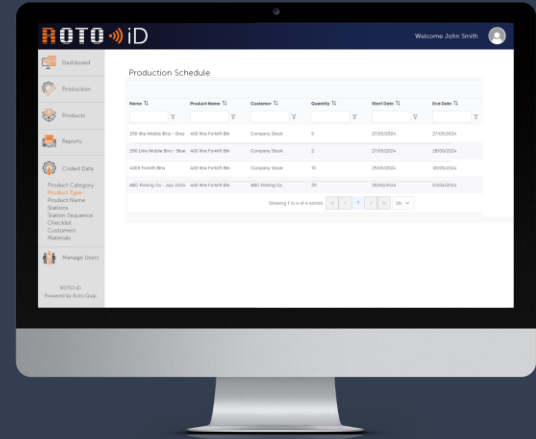
## ROTO-iD Tags

Injection moulded Polyethylene RFID Tags, installed on a rotomoulded products via Spin Welding.



## RFID Reader

Handheld RFID reader to scan production and send information to the ROTO-iD Software.



## ROTO-iD Software

Cloud based production management software designed specifically for the rotational moulding industry.



### 1. RFID Tags

ROTO-iD Tags use a UHF Chip (Ultra High Frequency).



### 2. RFID Readers

ROTO-iD uses the Chainway C66 RFID Reader.



### 3. RFID Software

ROTO-iD – RFID software for production and asset management of rotational moulded products.

## RFID TECHNOLOGY

# How does **RFID Work?**

RFID Technology consists of 3 components; Tags, readers and software.

**Tags:** An RFID Tag (ROTO-iD Tag) is installed onto each product you want to track. The tag contains a microchip and an antenna. The chip is encoded with a unique EPC number (Electronic Product Code).

**Reader:** An RFID reader is used to scan a tag. The reader sends out an electromagnetic waves. When the RFID tag gets hit by the reader's electromagnetic waves, it powers up and sends back the information stored on the chip (EPC Number).

**Software:** The reader picks up this response from the tag and reads the information. The information is then sent directly to the ROTO-iD software.

# RFID in Practice.

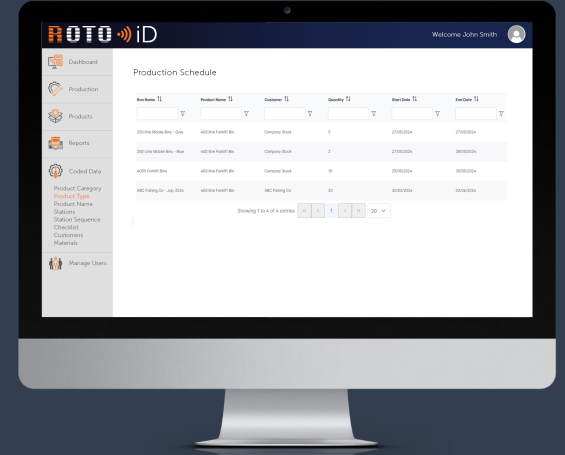


RFID Tag

Electromagnetic Wave sent by the RFID Reader.



RFID Reader



ROTO-ID Software



# RFID in Practice.

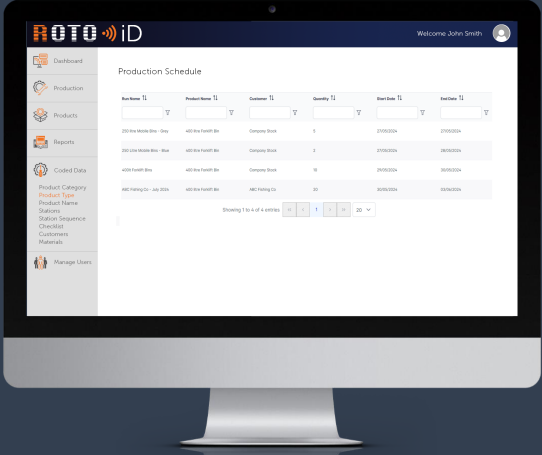


RFID Tag

Returning signal from the RFID tag containing EPC number. (Electronic Product Code)



RFID Reader



ROTO-ID Software

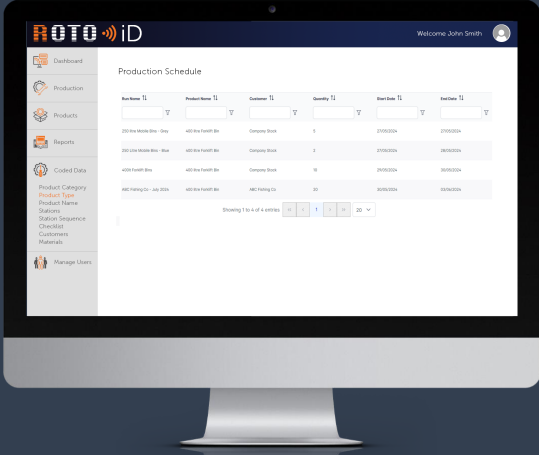


# RFID in Practice.



RFID Tag

Information sent to  
ROTO-ID Software



ROTO-ID Software



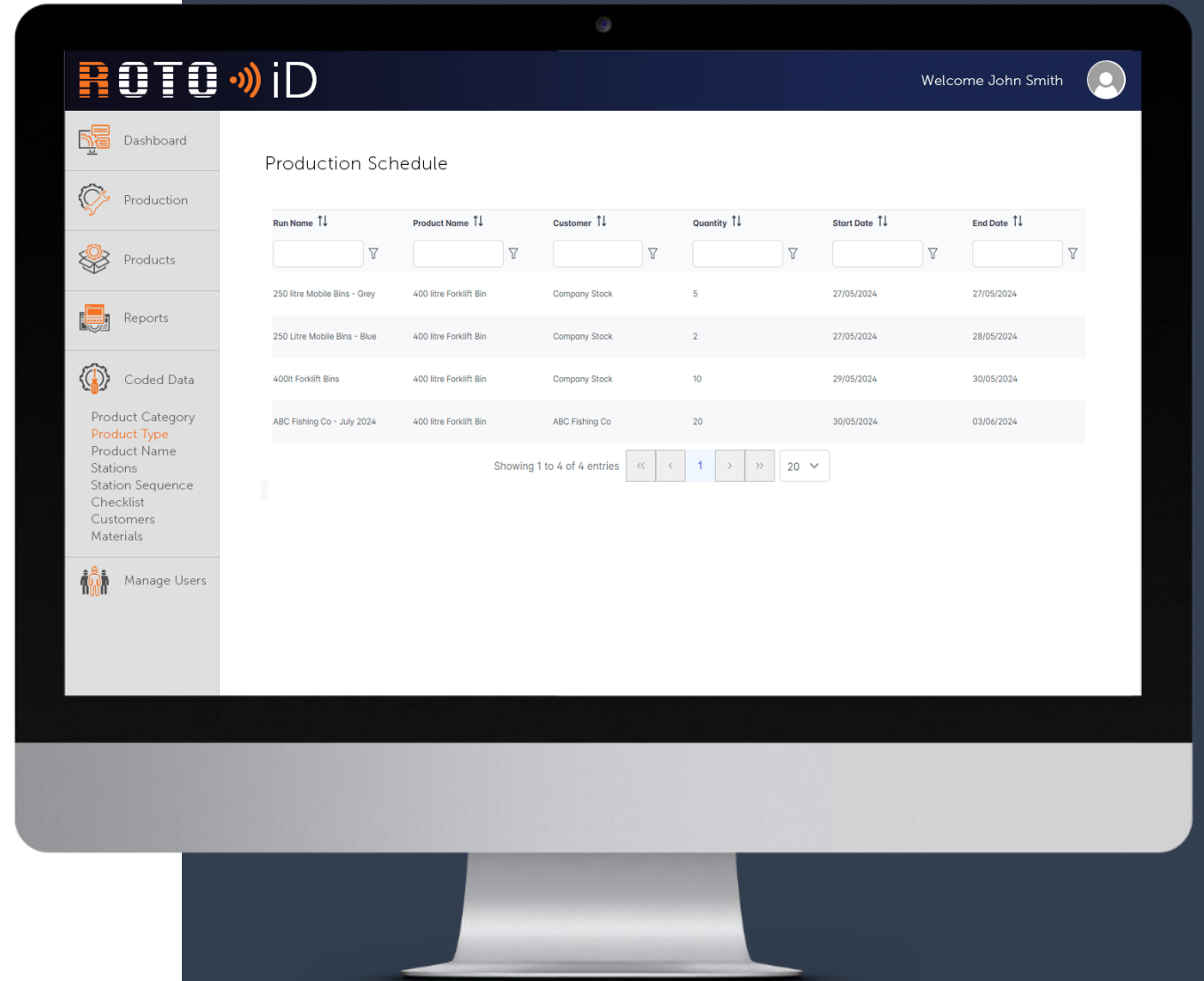
RFID Reader





# RFID in Practice.

The Information is then displayed on the ROTO-iD Dashboard, giving the user a full view of the current production on the shop floor as well as what still needs to be produced.



ROTO-ID SOLUTION: ROTO-ID TAGS

# ROTO-ID Tags.

- Material: Polyethylene
- Diameter (OD): 51mm
- Height (installed): 8mm
- Chip Options: UHF / NFC
- Chip: Higgs 9 / Mifare 1K
- Standard Colours:
  - Roto Quip Grey
  - Anthracite Grey
  - Alert Orange
  - White (Natural)
- Custom Colours: Upon request

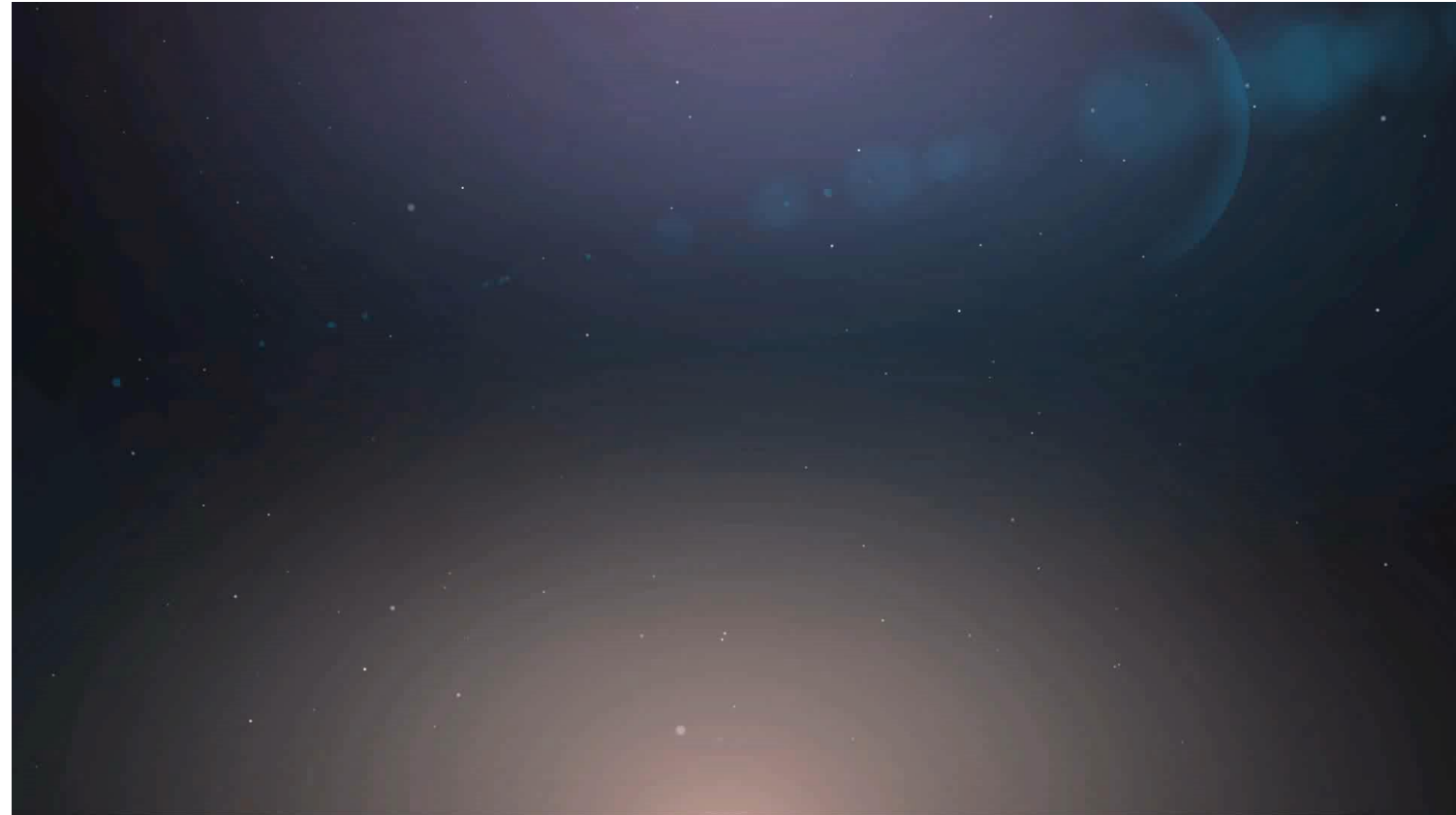


ROTO-iD SOLUTION: ROTO-iD TAGS

# How to install a ROTO-iD Tag.

ROTO-iD Tags are installed using a spin weld process. Once installed the tag is permanently fused to the rotomoulded product.

[Visit our YouTube Channel](#)





ROTO-ID SOLUTION: RFID READER

## The **RFID Reader.**

The RFID reader acts as a link between the RFID tags and the ROTO-iD Software. The ROTO-iD Mobile App is installed onto the reader and enables the reading and transfer of the data on the RFID Tag to the ROTO-iD Software.



ROTO-iD uses the Chainway C66  
Handheld RFID Reader.



ROTO-ID SOLUTION: RFID READER

# The ROTO-iD Mobile App.

Once installed and set up the ROTO-iD Mobile App is synced to the ROTO-iD software and will send updates from the shop floor to the Dashboard. Users from various departments (production, sales, purchasing) can view the updated information in real-time.



Chainway C66



ROTO-ID SOLUTION: RFID READER

# Chainway C66.

The ROTO-iD Mobile App was developed to work on the Chainway C66 RFID reader. This reader is available directly from Roto Quip.



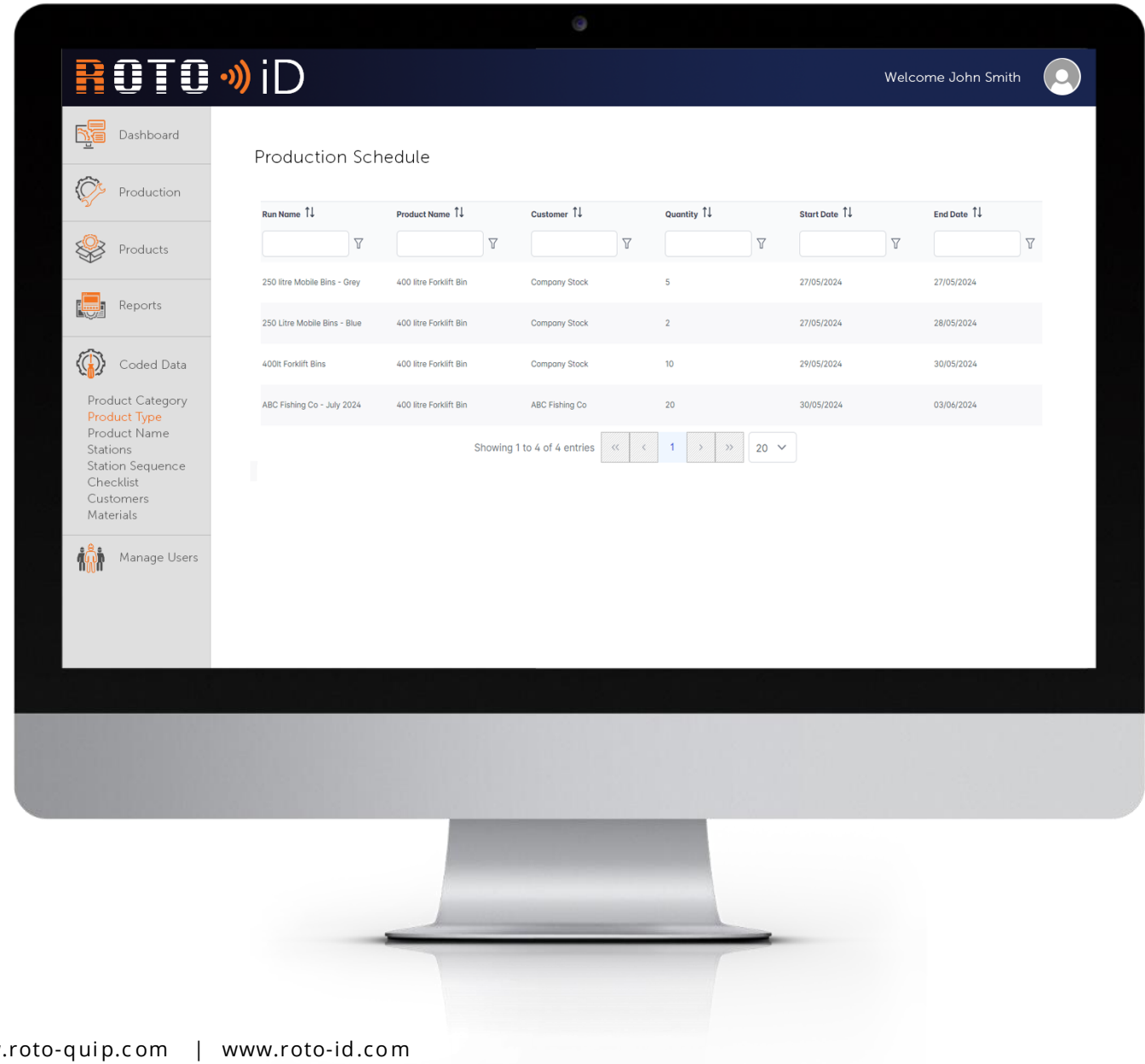
Chainway C66 RFID Reader with UHF Sled

ROTO-iD SOLUTION: ROTO-iD SOFTWARE

# Desktop **Layout.**

The software layout is simple and intuitive and offers the user all the necessary information to make informed decisions.

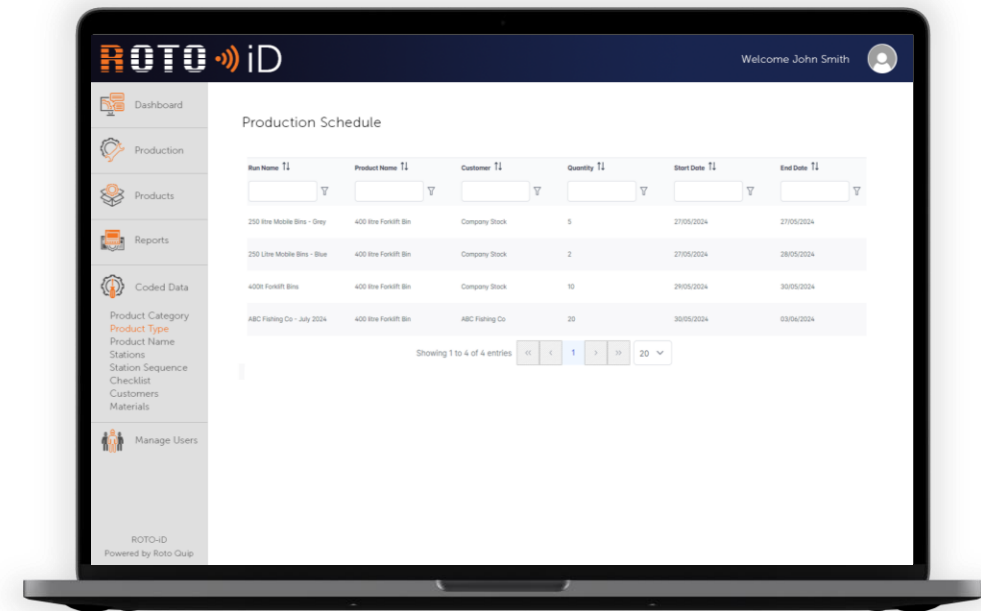
[www.ROTO-id.online](http://www.ROTO-id.online)



ROTO-ID SOLUTION: ROTO-ID SOFTWARE

# Features of ROTO-ID.

- Track production at each workstation in real-time.
- Create checklists for work that needs to be completed at each workstation.
- Monitor the time a product spends at the various workstations.
- Record a full product history of each rotomoulded product including:
  - Material batch number.
  - Machine used for moulding.
  - Operator responsible for moulding.
  - Operators responsible for post moulding assemblies.
  - Defects during the assembly processes.







ROTO-ID SOLUTION: ROTO-ID SOFTWARE

## Benefits Of **ROTO-ID.**

- Work-in-Progress Tracking
- Inventory Management
- Quicker Stock Take
- Work-in-Progress Tracking
- Supply Chain Visibility
- Quality Control
- Process Optimization
- Record of Product History

ROTO-ID SOLUTION: ROTO-ID SOFTWARE

# Cloud-Based.

As ROTO-ID is a cloud-based solution users can log on to the system from anywhere with an internet connection and get a full update on the production progress.

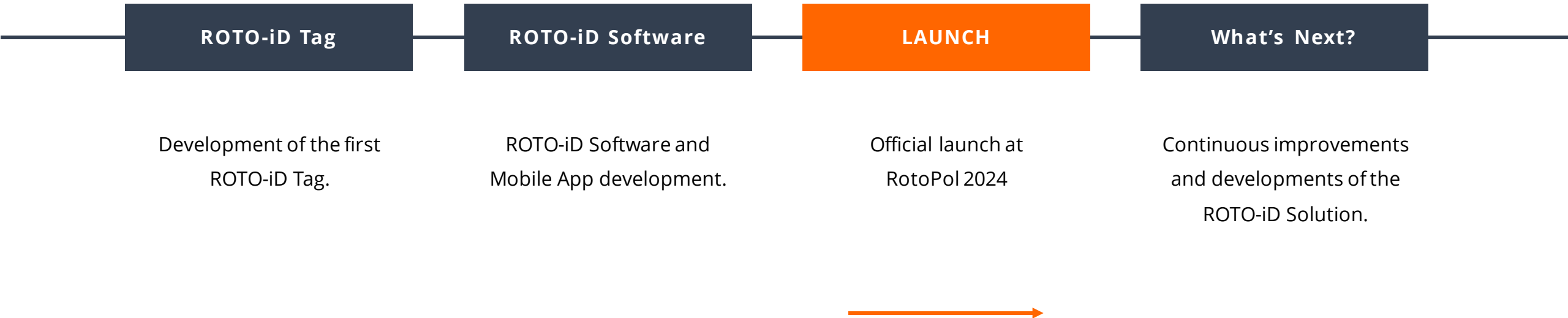


Work anywhere with  
ROTO-ID.



HOW FAR WE HAVE COME AND WHERE TO FROM HERE

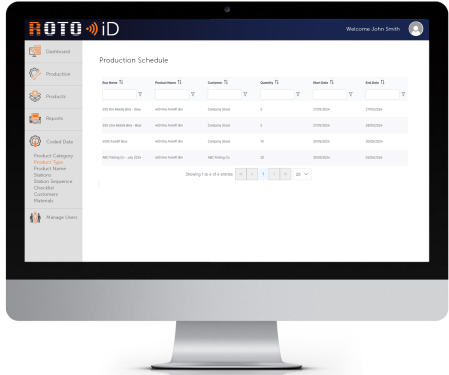
# The road map for **ROTO-iD.**



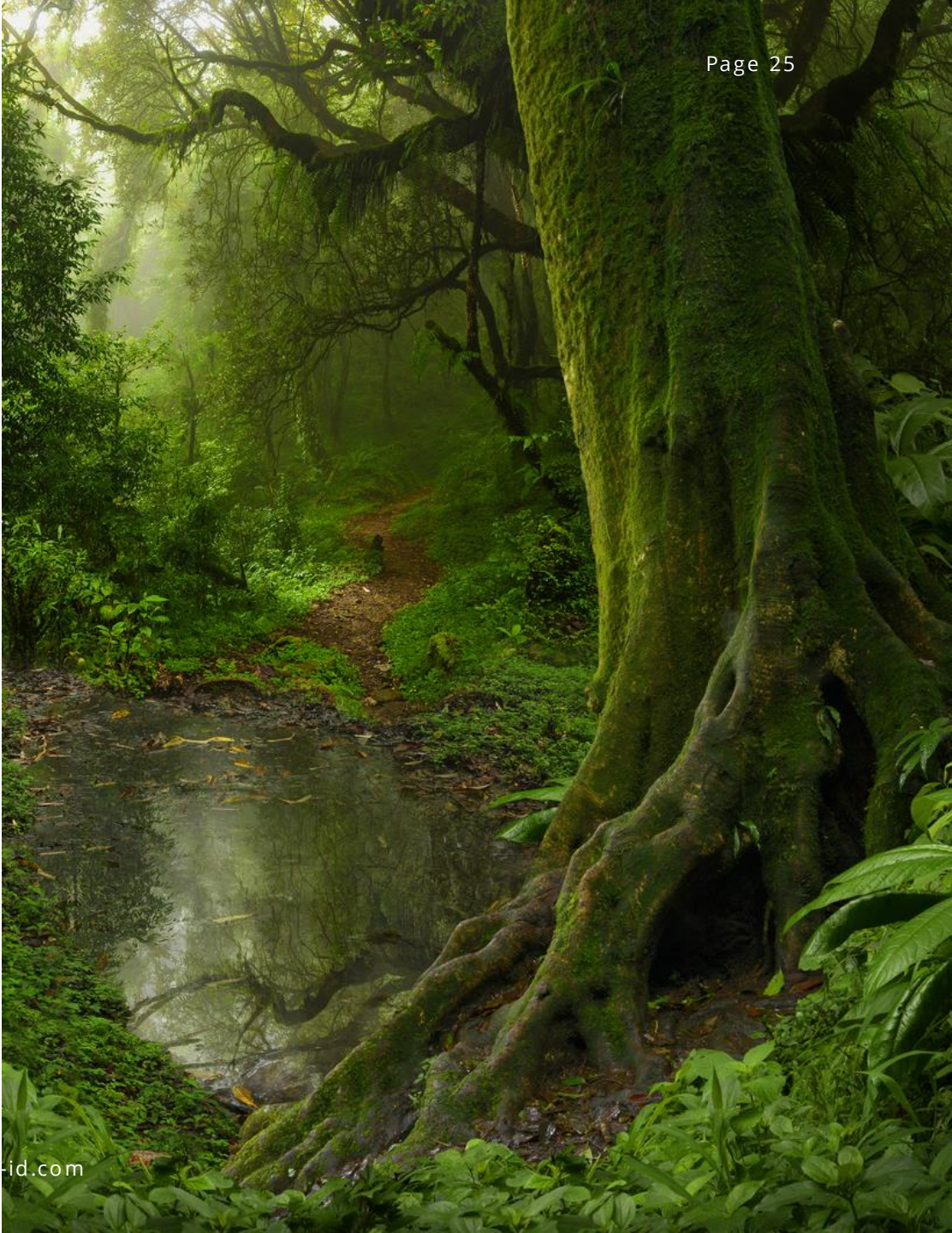
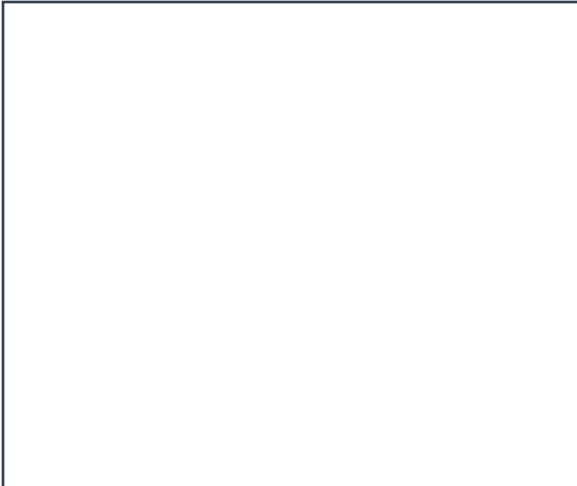
# Pricing Structure.

ROTO-iD Software

Chainway C66



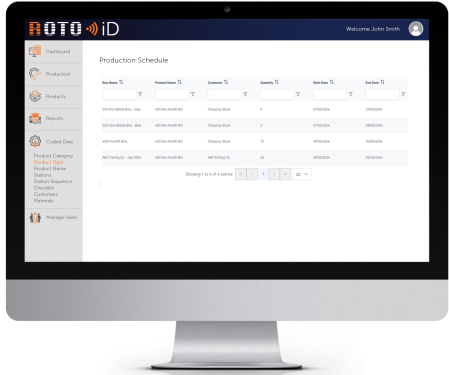
License Per Company  
Unlimited Users  
Technical Support  
Software only



# Pricing Structure.

ROTO-iD Software

Chainway C66



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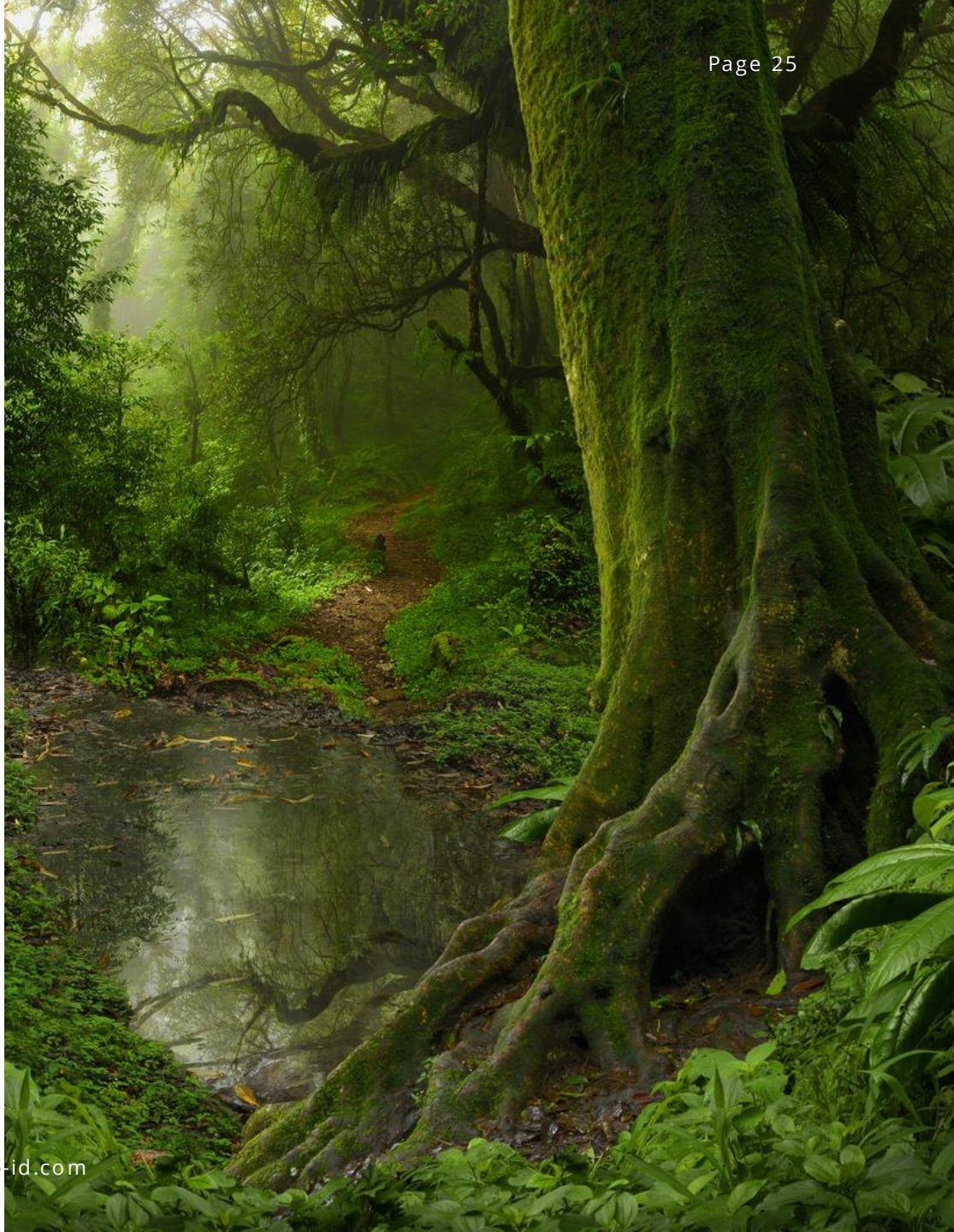
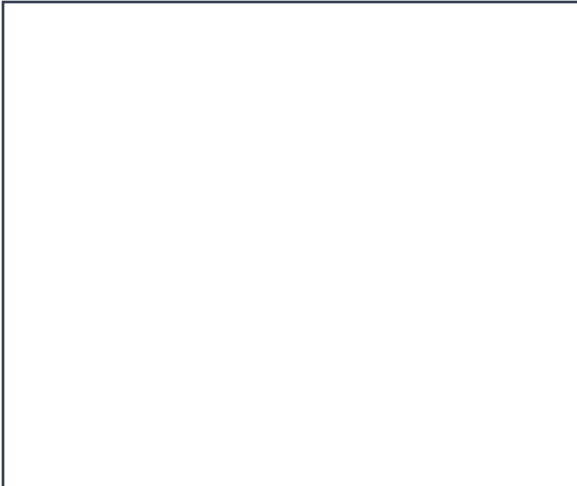
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**€1500,00** Per year

+

Once off Setup fee

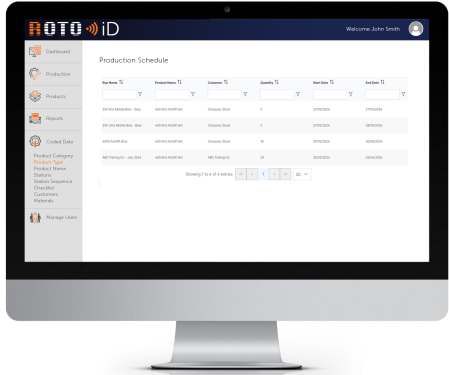
**€750,00**



# Pricing Structure.

ROTO-iD Software

Chainway C66



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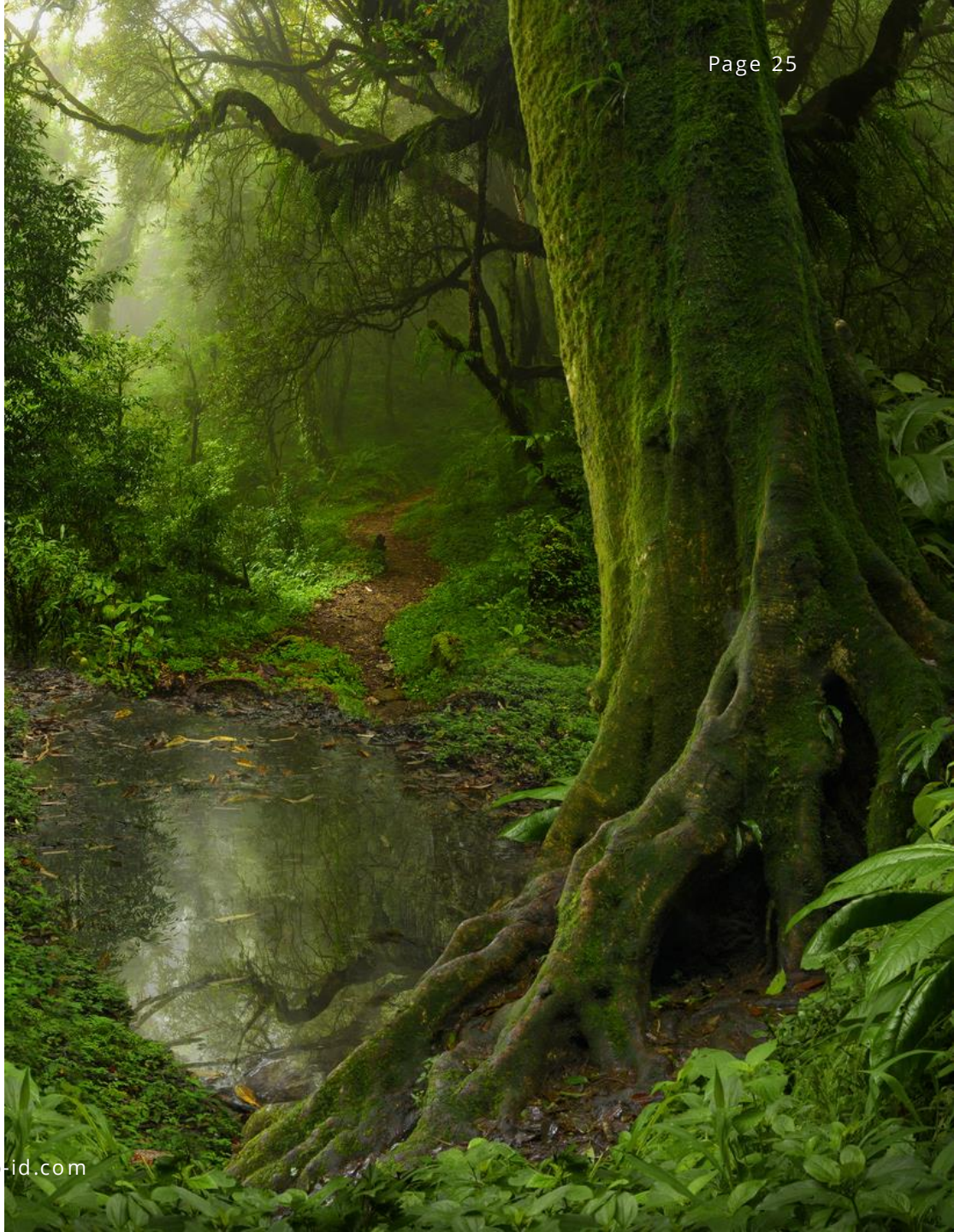
+

Once off Setup fee

**€750,00**

Per Device,  
 including sled,  
 Outright once off purchase

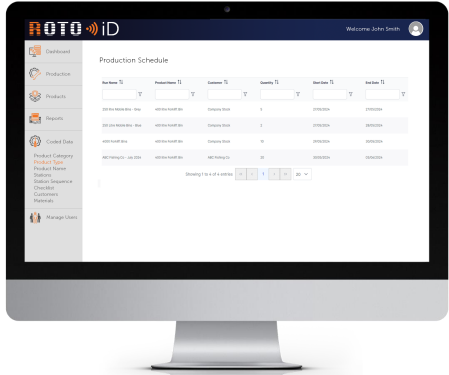
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# Pricing Structure.

ROTO-iD Software

Chainway C66

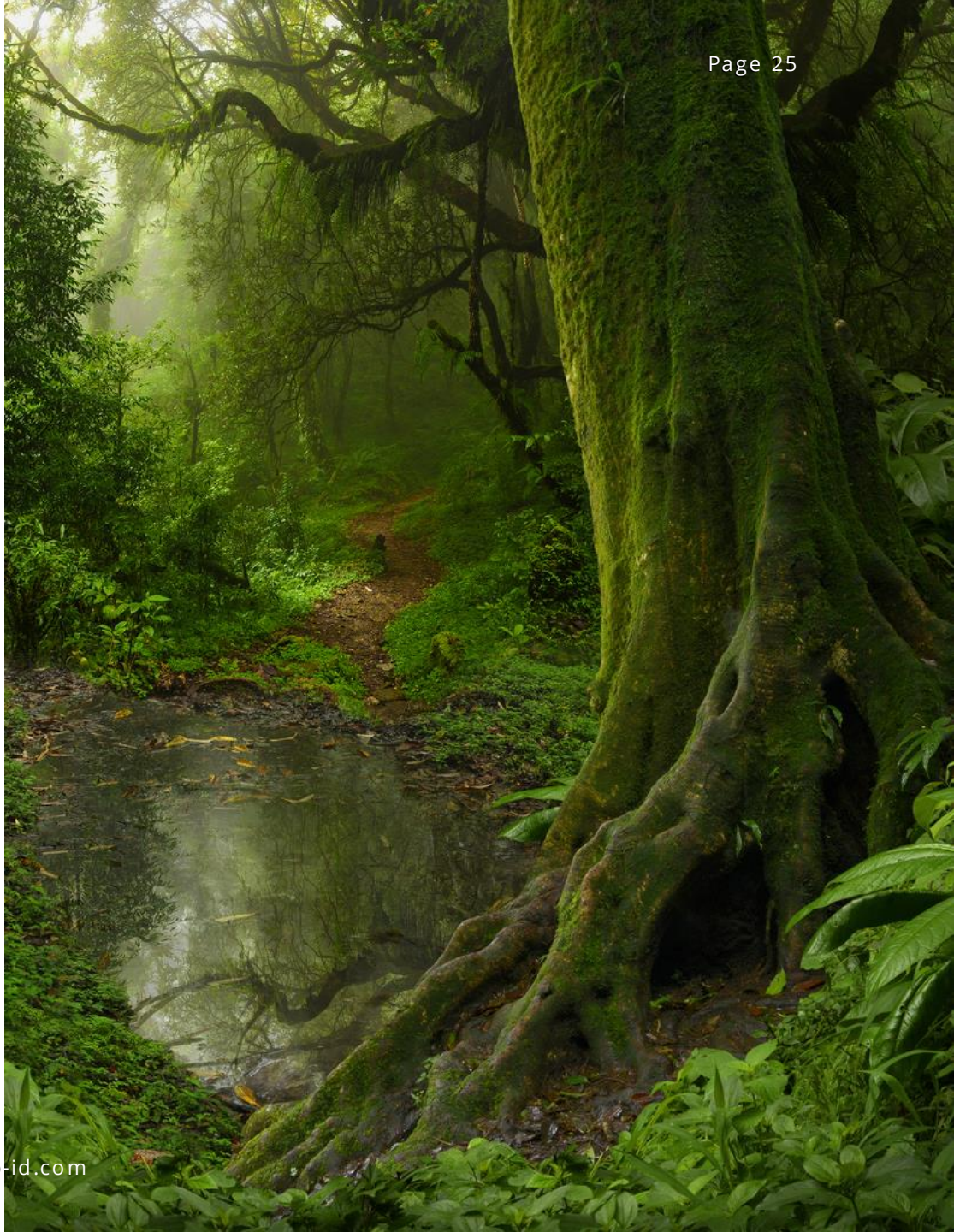


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# Going live: 1 September 2024.

ROTO-iD is in the final stages of development and testing and will go live on the 1<sup>st</sup> of September 2024.



# Any Questions?



## Are You **Ready?**

For more information, please scan the QR Code along-side to link directly to the ROTO-iD website.

And remember...

*“That which can be measured, can be improved”*

THANK YOU