

MiCROTEC

Let's innovate
together!



World leading wood scanning solutions

Join a young, international team shaping
the future of the wood processing industry.

Apply now at microtec.com/careers



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Who we are

MiCROTEC is the global technology and market leader in intelligent wood characteristics detection to maximize value & resource efficiency for the wood processing industry.

What we do

We develop world leading wood scanning solutions using advanced technologies to reveal what cannot be seen with the naked eye.

By turning invisible characteristics into data, we help customers improve value & yield, optimize processes and ease the operation of sawmills.

INNOVATING WOOD

Challenging
the Status Quo

Setting the
highest standards

Innovation

Excellence

Dedication to Customers

Trust

Collaboration

Delivering reliably
on commitments

Partnering &
teaming up

Our impact on the sawmilling
& wood processing industry

Where we are

From Italy to locations around the world, our teams work close to customers and technology.

We have a global reach and local impact.



7
Locations



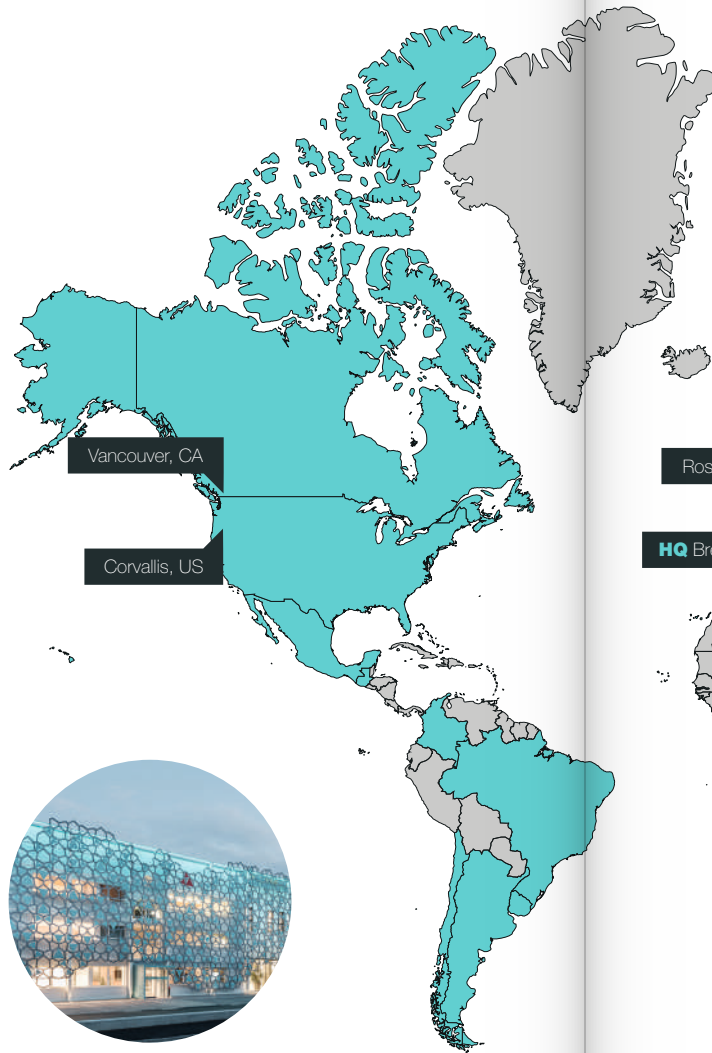
+ 350
Employees



+ 6000
Customer
References

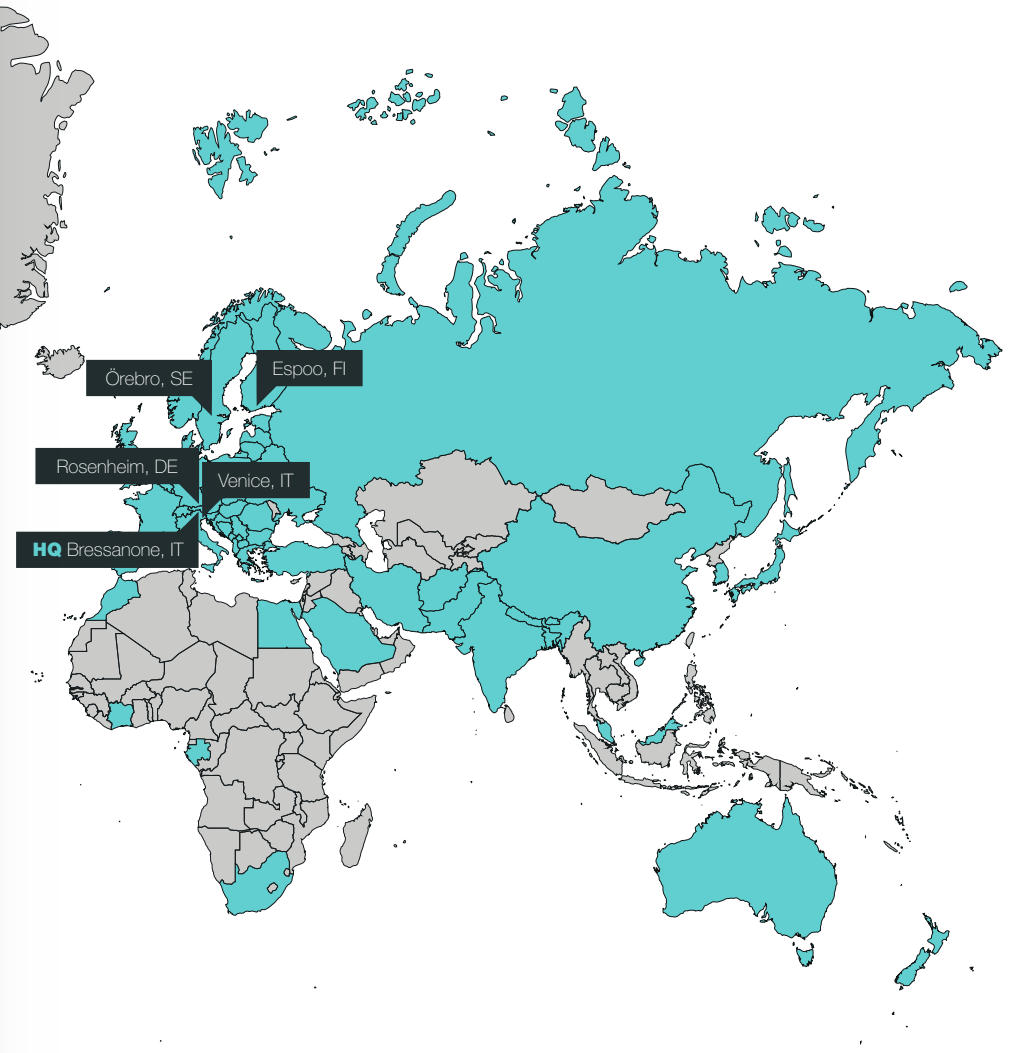


+ 50
Countries
Worldwide



MiCROTEC Headquarters

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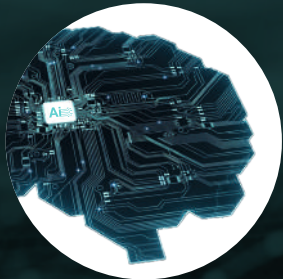
More than a location

Our locations connect people, ideas and expertise from around the world. Wherever you join us, you will become part of an international team working together on technologies with a global impact.

Technology



At MiCROTEC, we invest in research and development to provide the best solutions for our customers and the wood processing industry.



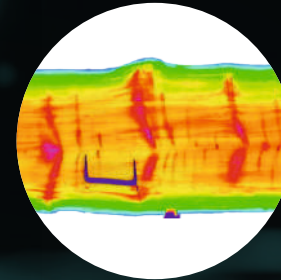
Artificial Intelligence

Artificial intelligence, with particular reference to the sub-fields of machine learning and deep learning, aims to create expert systems that make predictions based on input data previously analyzed by specialists.

MiCROTEC's solutions include processing methods based on cutting edge AI/ML to leverage the possibility of the machine to mimic what an expert expects from the input. This leads to reliable detection results, allowing the system to adapt to a material with highly changeable physical and visible characteristics, like wood.

Computed Tomography

CT uses X-rays to create detailed 3D images of the inside of logs. By taking measurements from different angles, it reconstructs the internal structure, revealing characteristics that cannot be seen from the outside. Our technology enables the digital reconstruction and virtual grading of entire logs in real time. It is unique within the wood and food industries.

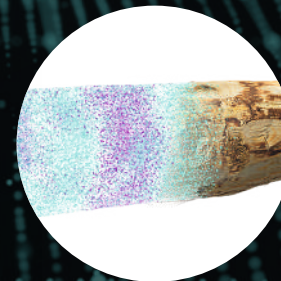


X-Ray

X-rays create 2D images that reveal structures hidden beneath the surface. MiCROTEC uses them to detect internal defects such as knots, splits and resin pockets.

Laser Triangulation

A laser and a camera work together to create a digital version of the surface of an object. The scan creates precise 3D data about the shape and dimensions of logs and lumber.

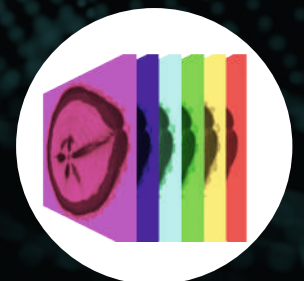


Stereoscopy

Like human vision, stereoscopy combines images from two viewpoints to perceive depth. MiCROTEC uses it to reconstruct the three-dimensional shape of wood even during movement.

Hyperspectral Imaging

While standard cameras capture RGB light, hyperspectral imaging captures hundreds of spectral bands, revealing material characteristics that may not be visible to the human eye.



Overall Solutions

MiCROTEC is the only company offering comprehensive scanning & optimization solutions from log to final product.

With MiCROTEC Connect, all scanners can be connected, and logs and boards can be traced throughout the whole sawmill process.

CATEGORIES	PROCESS AREA	SPECIES	FEEDING	PURPOSE OF SCANNING
 Log	 Logyard	 Softwood	 Lineal	 Dimensional
 Lumber	 Sawline	 Hardwood	 Transverse	 Quality
 Overall	 Green & Dry Mill			 Strength Grading
	 Planer Mill			
	 Secondary Processing			

FROM LOG

TO FINAL PRODUCT



MiCROTEC

is your place to...



Connect with the world

Work with people from around the world, share ideas and build connections across cultures.



Advance your career

Build your career through new challenges, internal opportunities and continuous support.



Learn and grow your skills

Develop your skills through learning programs, mentorship and hands-on experience.



Connect and have fun together

From sports groups to social events, connect with colleagues and enjoy activities together.



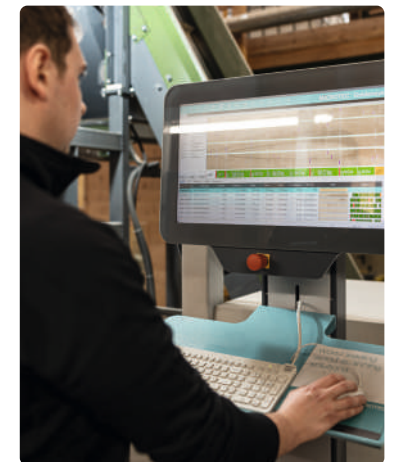
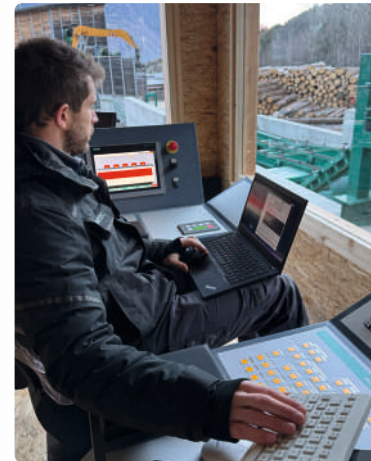
Have a healthy work-life balance

Flexible working hours, home-office options and initiatives that support health and well-being.



Make the most of every piece of wood

Help maximize the value of every piece of wood while reducing waste through smarter processing.



What makes working at **MiCROTEC** special?



Thanks to MiCROTEC's wide range of solutions in the wood and food industries, my work experience has been incredibly diverse and stimulating. Today, in my role as a Team Leader, I try to make sure that each team member understands their role in the bigger picture, so we can grow together and achieve our goals more effectively.

Fabian Pahl,
Installations, MiCROTEC Bressanone

At MiCROTEC, innovation is driven by teamwork, expertise, and the freedom to think differently. We have great flexibility in the way we work, and thanks to our team's technical expertise and close cooperation with customers, we continuously develop and refine solutions that meet real needs.

Anna Oswald,
Product Management, MiCROTEC Rosenheim



I think cross-cultural communication is an important life skill to practice. In my role I regularly collaborate with colleagues from other locations, and I'm grateful for the growth that I've experienced due to being a part of an international team.

Evan Bright,
Proposal Engineering, MiCROTEC Corvallis

One of the things I enjoy most is the opportunity to travel. I've had the chance to visit places around the world I might never have seen otherwise, all while doing meaningful work: connecting with customers on-site and seeing firsthand how our technology makes a difference.

Ryan Aareskjold,
Operations, MiCROTEC Vancouver



From day one, I was impressed by the young and dynamic atmosphere at MiCROTEC. We work with dedication, but in a relaxed and informal atmosphere. There's a strong sense of teamwork and mutual support, which makes even the most complex challenges easier to face.

Marco Miola,
Lumber Operations, MiCROTEC Venice

CT Log

World's only computed tomography scanner for logs



More info

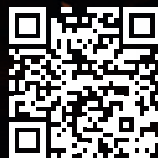


Leaders in food quality & safety solutions



Join a young, international team shaping
the future of the food processing industry.

Apply now at biometric.com/careers



 careers@biometric.com

Who we are

BIOMETiC born in 2012 from MiCROTEC's expertise in advanced scanning and imaging.

We brought the technology to the food industry, to provide innovative food inspection solutions for highest quality and safety standards.

What we do

We develop food inspection systems and fruit grading solutions.

Our flagship product, Mito, is the world's only Computed Tomograph for the food industry, and provides true 360° product visibility with full 3D reconstruction in real-time.

Where we apply it



Fruit &
Vegetables



Ice Cream
& Confectionery



Baby Food
& Dairy



Cannery



Bakery



Snacks
& Olives



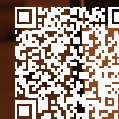
Liquid Foods
& Beverages



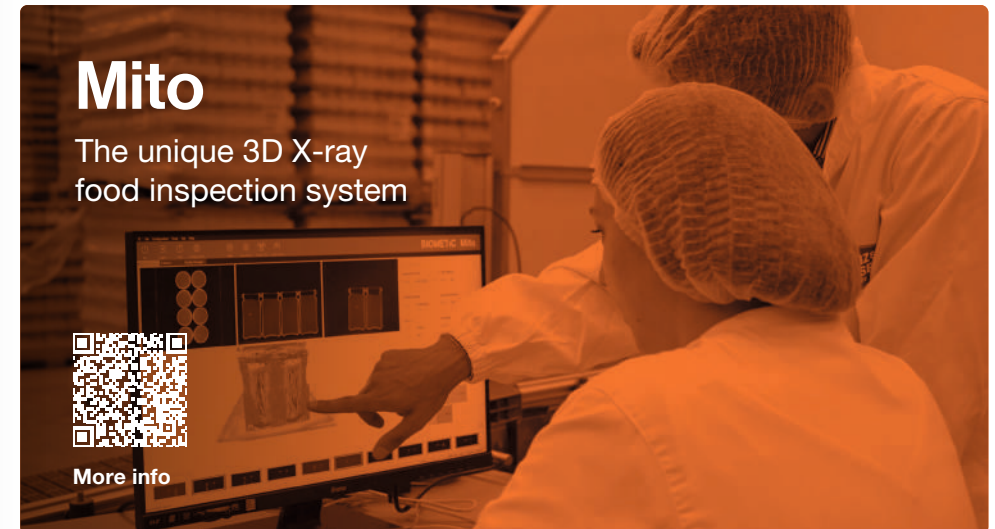
Others

Mito

The unique 3D X-ray
food inspection system



More info



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career opportunities.**

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