Be MiCROTEC
A new challenge. Every day.

LET´S INNOVATE TOGETHER
Do you love technology and innovation? Are you curious and dynamic? Then MiCROTEC is the right company for you.

Join MiCROTEC - a young, innovative and international company.

Begeistern Sie sich für Technik und Innovationen? Sind Sie neugierig und dynamisch? Dann ist MiCROTEC das richtige Unternehmen!

Werden Sie Teil von MiCROTEC, einem jungen, innovativen und internationalen Unternehmen.

Ami la tecnologia e l’innovazione? Sei curioso e dinamico? Allora MiCROTEC è l’azienda che fa per te!

Entra a far parte di MiCROTEC un’azienda giovane, innovativa e internazionale.

Vieni a scoprire il mondo di MiCROTEC con noi.
Who we are

MiCROTEC is the global technology and market leader in intelligent wood characteristics recognition. Our aim is to optimize the wood processing industry and we have been setting the standards in this market since 1980.

What we do

With a solid foundation and a dedicated passion, MiCROTEC brings excellent service and world leading scanning solutions to the wood processing industry.

Our core values

Passion for excellence
Dedication to customers
Integrity
Respect
Collaboration
INNOVATION

Federico Giudiceandrea
President & Founder
“Everything we do is driven by the passion of introducing new technologies and innovation to our industry”

Frank Jöst
Chief Executive Officer
“MiCROTEC’s team members constantly create new solutions to boost value in wood processing for our customers”
Worldwide Locations

- MICROTEC Vancouver
  1847 Vancouver
  Canada

- MICROTEC Corvallis
  97333 Corvallis
  USA

- MICROTEC Bressanone
  39042 Brixen
  Italy

- MICROTEC Espoo
  02200 Espoo
  Finland

- MICROTEC Linköping
  58278 Linköping
  Sweden

- MICROTEC Venice
  30171 Venezia
  Italy

- MICROTEC Rosenheim
  83026 Rosenheim
  Germany
Milestones of Innovation

1980
MICROTEC is founded on March 17th, 1980, by Paul Durst, Hansjörg Thaler and Federico Giudiceandrea

1985
Introduction of the laser triangulation technique for the 3D reconstruction of surfaces

1995
Implementation of X-ray technology for the support of image processing of knot recognition

1999
First application of machine learning methods based on neural networks in image processing

2001
First tests with X-ray computed tomography and radiosity scanners for logs

2007
MICROTEC officially presents the prototype of CT Log, the Computed Tomography scanner for logs

2013
Introduction of the in-house developed Crometic Digital Camera with digital sensors providing full HD images at ultra-high speed for all applications

2019
Introduction of the Digital Fingerprint concept and installation of deep learning AI into all quality scanning systems

2020
Introduction of the in-house developed hyperspectral camera for applications in the quality scanning of wood and food

2021
MICROTEC officially presents Mill Manager, the optimization suite for overall mill processes and operations. Introduction of the new product lines Goldeneye and Woodeye
What does MiCROTEC do?

Many people ask themselves this question before joining the company. Here is the very simple answer: **MiCROTEC scans wood, or rather develops scanner and optimization solutions for the entire wood industry.** How? Using a variety of state-of-the-art and in-house developed technologies, a digital twin of the log/timber board is created in real time and artificial intelligence is used to determine the properties of the timber. Why? To get the best out of wood.

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**Log Scanning Applications**

- **Logeye**
  Lineal Multi-Sensor and Quality Scanner

- **Goldeneye**
  High-Speed Multi-Sensor Quality Scanner for softwood lumber grading, chopping and sorting

**Board Scanning Applications**

- **Woodeye**
  Scanner for cut optimizing and component manufacturing applications for hardwood

**Software Applications**

- **CT Log**
  Computed Tomography for the sawmill of the future

- **Winlog**
  Optimized log sorting and control of the log and merchandising yard

- **Maxicut**
  Cutting pattern optimization for logs based on final product quality and value
Who we are

BIOMETIC emerges in 2012 as a spin-off of MiCROTEC. The technology of the solutions MiCROTEC uses for scanning wood has been adapted to inspect fruit & food. In this way BIOMETIC provides the fruit & food industry with innovative solutions for the process and production optimization, which increases the added value of the final product.


BIOMETIC nasce nel 2012 come spin-off di MiCROTEC. La tecnologia di soluzioni di qualità che MiCROTEC utilizza per la scansione del legno è stata adattata alla scansione di alimenti lavorati e ortofrutta. BIOMETIC offre soluzioni innovative per l’automazione e l’ottimizzazione dei processi produttivi nell’industria alimentare e ortofruttica, che aumentano il valore aggiunto del prodotto finale.

What we do

As a high-tech company with passionate people, BIOMETIC develops innovative food inspection systems, fruit sorting solutions, and software products for food safety and fruit quality control.

BIOMETIC, azienda altamente tecnologica con persone appassionate, realizza innovativi sistemi di ispezione alimentare, soluzioni per la selezione della frutta e prodotti software per il controllo della sicurezza alimentare e qualità della frutta.

Our products

BIOMETIC offers customized solutions made with cutting-edge technologies that involve in-line computed tomography and artificial intelligence.

Mito

The unique 3D X-ray food inspection system

Q Eye Smart

Smart Optical Sorter with Artificial Intelligence

F-Trace

A single software suite for complete food traceability

Some of our Applications in the Fruit and Food Industries
Corporate Benefits

1.) International Company
EN MICROTEC is an international company giving the possibility to travel around the world, getting to know new cultures and to work with colleagues from other countries.

DE MICROTEC ist ein international agierendes Unternehmen, das die Möglichkeit bietet, um die ganze Welt zu reisen, neue Kulturen kennenzulernen und mit Mitarbeiter:innen aus anderen Ländern zu arbeiten.

IT MICROTEC è un’azienda internazionale che offre la possibilità di viaggiare in tutto il mondo, conoscere nuove culture e lavorare con colleghi di altri paesi.

2.) Individual Growth Opportunities
EN MICROTEC’s strength is in the potential of each employee. Therefore, we attach great importance to the possibility of individual and professional growth of our employees: we offer them the chance to develop themselves and grow professionally.


IT La forza di MiCROTEC è data dal potenziale dei suoi dipendenti. Per questo motivo, attribuiamo grande importanza alla crescita individuale dei nostri dipendenti ed offriamo a ciascuno di loro la possibilità di svilupparsi professionalmente.

3.) Training & education
EN Our success is due not only to investments in new technologies, but also to the commitment of every single employee and their knowledge. For this reason, the company regularly provides training and specialisation courses.


IT Il nostro successo non è dovuto solo ai numerosi investimenti in nuove tecnologie, ma anche all’impegno di tutti i dipendenti e alle loro conoscenze. Per questa ragione, l’azienda permette regolarmente di svolgere corsi di formazione e specializzazione.

4.) Flexible Working Hours & Home Office
EN For a better work-life balance, our employees have the option of flexible working hours or even to work from home a few days a week.

DE Für eine bessere work-life-balance haben unsere Mitarbeiter:innen die Möglichkeit, die Arbeitszeiten flexibel einzuteilen oder sogar ein paar Tage pro Woche von zu Hause aus zu arbeiten.

IT Per un migliore equilibrio tra lavoro e vita privata, i nostri dipendenti hanno la possibilità di avere orari flessibili o addirittura di lavorare da casa per alcuni giorni alla settimana.

5.) Company events
EN Throughout the year, we organise various celebrations and events for all our employees. We know the importance of having a nice atmosphere in the office to have an effective collaboration! Why not having fun all together?

DE Im Laufe des Jahres organisieren wir verschiedene Feste und Events für alle Mitarbeiter:innen. Wir wissen, wie wichtig eine angenehme Atmosphäre in den Büros für eine erfolgreiche Zusammenarbeit ist! Warum sollten wir also nicht alle zusammen Spaß haben?

IT Durante l’anno organizziamo diverse feste ed eventi aziendali per tutti i nostri dipendenti. Siamo consapevoli dell’importanza di avere una buona atmosfera in ufficio per un’effettiva collaborazione! Perché non divertirsi insieme?
Corporate Benefits

6.) Onboarding

Every new employee has to feel as a part of the MICROTEC family from the very beginning. This is why we organise a general introduction to the company during the first days at work.


Ogni nuovo collaboratore deve sentirsì parte della Famiglia MICROTEC sin dall’inizio. Proprio per questo organizziamo un programma di onboarding per i primi giorni di lavoro.

7.) Take a break

All our employees receive a daily meal contribution which they can redeem in restaurants in the area. In addition, everyone is invited to get a coffee and snacks in the break rooms.


Tutti i nostri dipendenti ricevono un contributo giornaliero per i pasti, che può essere usato nei ristoranti della zona. Inoltre, tutti sono invitati a prendere un caffè e uno snack nelle sale pausa.

8.) Sustainability

In terms of sustainability, MICROTEC offers the possibility to charge the private e-car at the charging stations, promotes the use of bicycles and offers an innovative, modern and sustainable office.

In Bezug auf Nachhaltigkeit bietet MICROTEC die Möglichkeit, das private E-Auto an den Ladesäulen aufzuladen, fördert die Nutzung von Fahrrädern und bietet ein innovatives, modernes und nachhaltiges Büro.

In tema di sostenibilità, MICROTEC offre la possibilità di ricaricare l’auto elettrica privata presso le stazioni di ricarica, promuove l’uso della bicicletta e offre un ufficio innovativo, moderno e sostenibile.
The voice of our employees

Maximilian Brugger
Functional Check
Bressanone
I have been working at MiCROTEC for one and a half years as a tester of different products. This means I check all the functions and, if everything fits, I release them for delivery and assembly at the end customer. I have the opportunity to have a comprehensive understanding of the product, its functions and every component, which is why I sometimes get to be part of special assemblies. That is why I like my job very much!

Ilaria Gianelli
Wood Grading Operations
Venice
Discovering the possibilities for a Wood Scientist in a high-tech company was a surprise. What I like the most is the dynamic nature of the work: in MiCROTEC every project is a new challenge, I can contribute to the development of new technologies in woodworking processes and, at the same time, discuss with our customers solutions to set up each type of production. But the best of all is that I can travel all over the world to visit and meet with customers.

Florian Linner
Project Manager
Rosenheim
Right from the start, I never had the feeling of being in the middle of a team, but I felt like part of a family. After many successful projects and experiences abroad, I can tell that I really appreciate the flexibility of organizing myself as project leader as well as the possibility to grow with the company. Our MiCROTEC family is growing fast, but I am sure the atmosphere will never change!

Michael Pedratscher
Customer Support
Bressanone
MiCROTEC always uses the latest technologies, which is why you always have to keep yourself up to date. Because of this varied work, I decided to work at MiCROTEC after my three internships.

Joni Airaksinen
AI Specialist
Espoo
What fascinates me most about my work at MiCROTEC is observing living organisms and using this knowledge to find features. It is interesting to combine forestry and artificial intelligence knowledge in order to solve various real-life problems.

Simon Samnegard
AI Development
Linköping
Working at MiCROTEC gives me the opportunity to participate in the development of artificial intelligence and see how it is used in practice. I did my master's degree with a specialisation in machine learning, so this is a really exciting experience for me!

Bob Bell
Technical Sales Representative
Corvallis
One of the biggest advantages of working at MiCROTEC is definitely the working environment, our colleagues are always ready to support each other and share their knowledge. Working alongside team leaders with a vast experience in software development and overcoming together various challenges is a unique and exciting opportunity. Whether in an office or a sawmill on the other side of the world, every day is an opportunity to learn and improve!

Agostino Pisanelli
Software Engineer
Vancouver
I like MiCROTEC because it enables an optimal work life balance. Thanks to the two locations, Bressanone and Mestre, and the opportunity of working sometimes in home office, I can often spend some time with my family and friends in Bressanone, even though I no longer live there.

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World leading wood scanning solutions

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