



YOU
niverse

Check in for **smart factory**



Real-time Process & Quality Controls



The YOUniverse is:

For YOU

YOU, the customer, have always been at the center of our efforts. This is what inspired the creation of the **YOUniverse**: designed specifically to meet your needs and to be a perfect fit for your individual plant. As a business intelligence leader, we see it as our responsibility, not only to keep you on the cutting edge of technology, but also to steadily improve and help you make the most of the information our systems provide.

Open Systems

Utilizing flexible and automated “plug and play” solutions, **YOUniverse** makes the inspection process statistical and capable to adapt to any changes, in any environment. Thanks to an open information interchange, this revolutionary concept allows machines from any manufacturer to be linked to the YOUniverse and to “speak to each other”.

High Value Data

YOUniverse delivers what we call high value data. To date, your systems delivered information regarding what was right or wrong in one area. Now, thanks to data linking of different machines in your plant, **YOUniverse** organizes data so that you also know the reasons and will soon even receive recommendations. All delivered in real time – enabling you to take the right decisions quickly – improving efficiency, productivity and profitability.

Smart Factory

Our goal is to provide you with information to optimize your pack-to-melt ratio. To this end, we are working towards, not only maximizing, but also contextualizing data. With **YOUniverse** one can, for example, track a single container including all its relevant data – just one of our steps towards the Smart Factory. **YOUniverse** will have the information flowing freely regardless of the nature of your plant, delivering the data you need.

...with Tiama's 5 areas of expertise



Intelligence

Initially, Tiama inspection machines delivered production data, mainly used for counting purposes. The data does however, have a much greater value. This led to the development of Tiama Intelligence Systems that gather real-time data across the production line with results displayed on a single platform. At the heart of the smart factory, Tiama offers these enhanced software solutions, identifying production drifts so that corrections can be made automatically... even before the relevant defect occurs.



Monitoring

The most efficient way to manage a manufacturing process is to do so at the initial stage. Tiama's modular hot-end-monitoring systems provide IS operators with immediate data and easily applied information (job specifics, infrared radiation measures...) to help improve productivity. Operators no longer need to wait for cold-end feedback to produce satisfactory containers. And, with increased job/glass knowledge gained from the large amount of data collected, the process becomes more and more controlled.



Inspection

More than 10 years ago, Tiama was paving the way with the Atlas, a camera-based check detection, with automatic settings adapting themselves to the production changes. Since then, Tiama has never stopped improving its various machines with solutions that offer fast adjustments, consistent results with minimized human influence. Today, Tiama starts to prepare the next steps, working on Big Data analysis and deep learning features to increase the predictability of glass production.



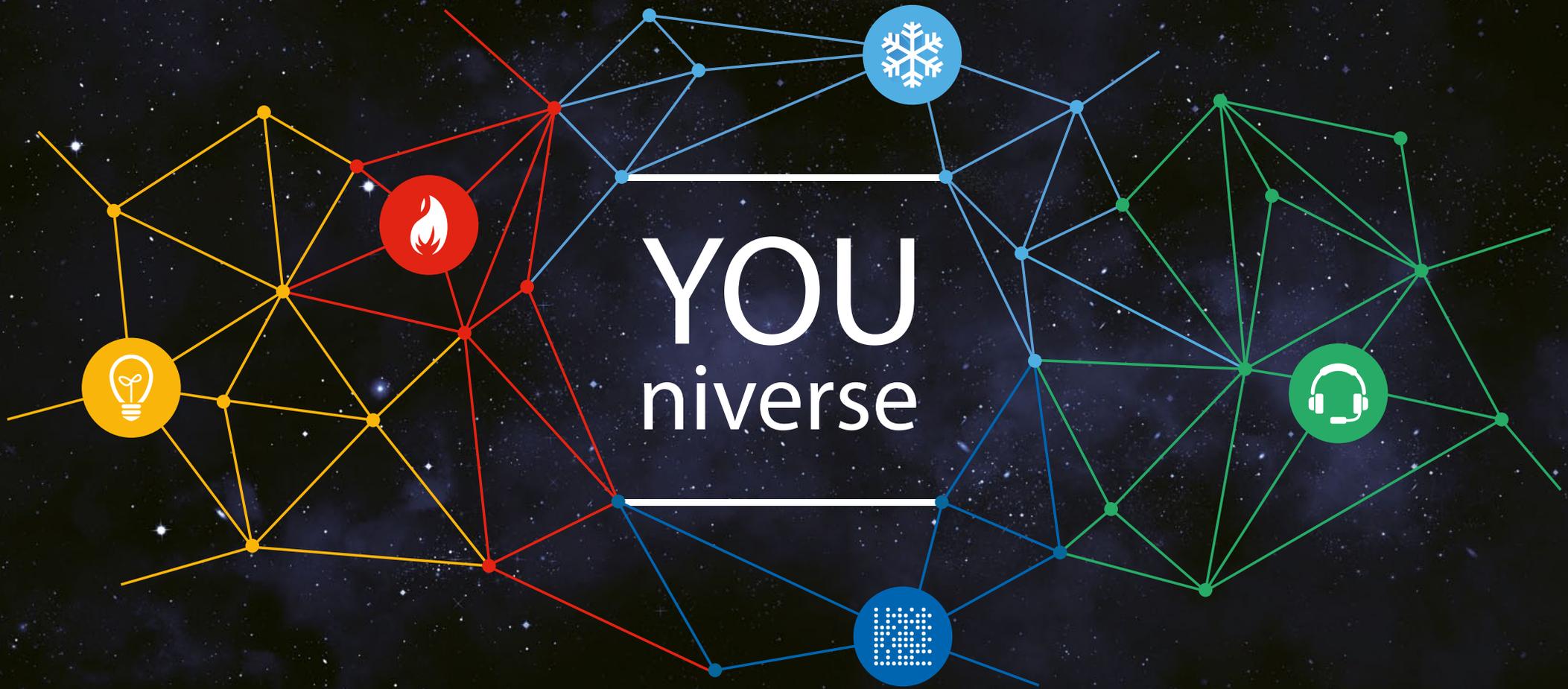
Traceability

It is like DNA for glass. Tiama has developed data-matrix solutions and remains the only company offering you full unitary traceability of each container. The patent relates to the synchronization of the laser marker with the IS machine, making each container unique. In addition, all defect information and events gathered at the hot and cold ends are correlated to the container, creating a distinct identity for each item.



Service

With more than 70 local experts, 2 training academies and a dedicated department focused on customer satisfaction, Tiama offers unrivalled global support services. The service team assists you with individualized online courses, online simulators, ramp-up support, audits, spare-parts management, article tests, tooling... and everything you need to help you ensure that your people and your production tools perform at the required level— one of the pillars of the Smart factory concept.



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