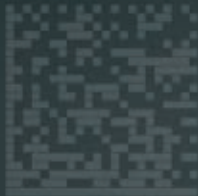


S-TTS



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ERP/MES

Serialisation  
Aggregation

CONTROL

Secure Track & Trace Solutions



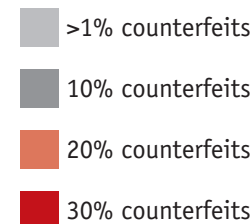


# ePEDIGREE SERIALISATION S-TTS AUTHENTICATION SECURITY CONTROL

## Trust is good...

### ... control is better

The continuous monitoring of products on their way through production, packaging and the supply chain ensures that counterfeits are detected immediately. Both, serialisation and the preparation of an electronic pedigree (ePedigree), ensure the positive authentication of each individual product. Identified in such a way, it can be located at any time and traced back through the entire value chain. This control is becoming increasingly important for your products' safety, **because...**



### ... it affects all of us

The number of counterfeits of consumer and industrial goods has risen by 10,000% over the past two decades. At this point we can assume that between 5 and 7% of goods traded worldwide are counterfeits. These are alarming figures resulting in economic losses of 600 billion US dollars annually. (Source: IACC, International AntiCounterfeiting Coalition, [www.iacc.org](http://www.iacc.org))

### Warning: Health risk!

In addition to the negative impact, a counterfeit product can have on the profit of affected companies, it can also have severe consequences on consumers' health. This especially applies to the food and pharmaceutical industries, as well as the airline and automotive industries. These areas affect all of us and demand immediate action.

### S-TTS – Secure Track & Trace Solutions

40 years of experience and our entire know-how have gone into the Secure Track & Trace Solutions from Laetus. S-TTS is our comprehensive solution approach to fulfil your needs for secure, successful product tracking and tracing throughout entire processes. From straight-forward serialisation to complete ePedigree – our modular, multi-level design can meet any requirement at any time with minimum effort. The ideal solution for your security.





# AGGREGATION WAREHOUSING ISA 95 SUPPLY CHAIN

## The right architecture for your processes

With S-TTS, you have a sophisticated software architecture with a fully functional scope at your disposal. As our customer, you decide which features you need and you can easily upgrade to new functionality at any time simply by activating it. Our Secure Track & Trace Solutions have a multi-level architecture that covers every level of the ISA 95 standards. Due to their modularity, they can be adapted quickly and flexibly to country specific regulations and process requirements, ensuring a high level of overall equipment effectiveness (OEE).

### Functional

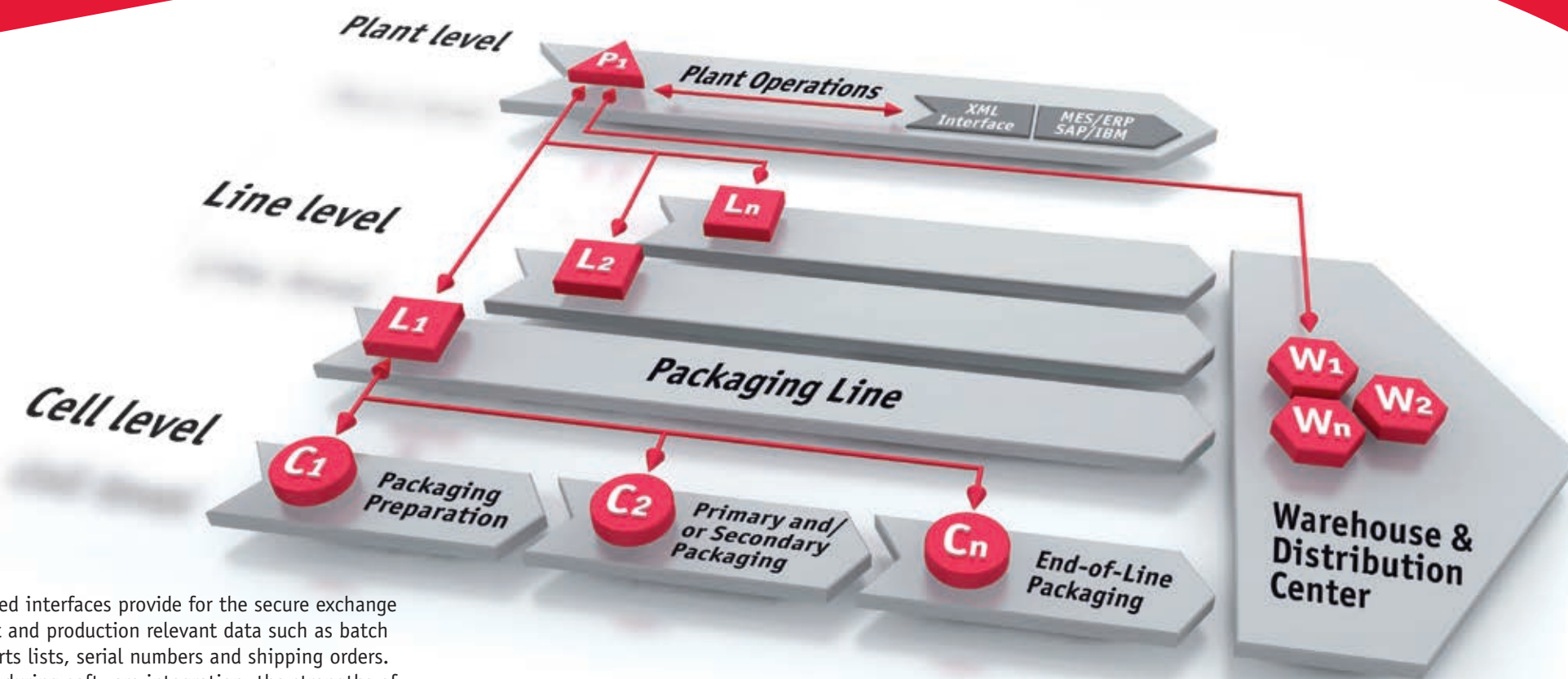
S-TTS is designed to meet all requirements of the packaging and distribution process as a whole and in all its variations. This ranges from simple serialisation to multi-level aggregation, de-aggregation and re-aggregation steps in warehousing and supply chain, to manual rework at wholesale.

### Flexible

Due to its modular, GAMP-compliant software architecture, S-TTS can be integrated into any existing infrastructure irrespective of brand and model. Solutions can easily be built into packaging machines such as cartoners, bundlers and case packers. System modules are ideal for integration into packaging lines or for use as stand-alone units. S-TTS scores with flexibility in scaling and user-friendly expansion capability.

### Versatile

Well-defined interfaces provide for the secure exchange of product and production relevant data such as batch orders, parts lists, serial numbers and shipping orders. Especially during software integration, the strengths of S-TTS become evident. S-TTS can easily be combined with Track & Trace software and hardware from other suppliers and allows the convenient interfacing with numerous other applications such as MES or ERP systems (SAP, PAS-X, Rockwell) and any kind of database and repository system.





# CAMERA PACKAGING CONTROL INTERFACE COMBINATION MARK & VERIFY

## We think in processes

### The choice is yours

When integrating S-TTS, even in existing packaging systems, you benefit from our 40 years of experience. Regardless of whether you want to upgrade an existing machine or implement an entirely new approach into your packaging lines: We have the right solution for you.

### From a camera to global production

Thanks to the modular design of the system and the clever interfaces of the software, S-TTS uniquely connects individual devices, mark & verify modules and machines with your lines or production facilities according to your needs. Your packaging control can be implemented quickly and easily, with the functional scope of your choice and adapted to international regulations.



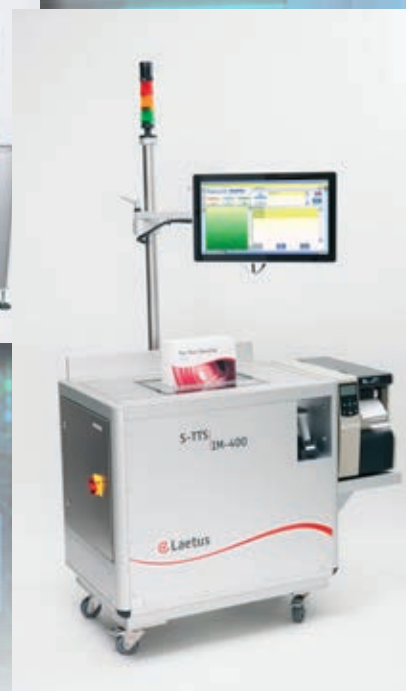
### Success follows good preparation

The use of S-TTS starts even before the actual packaging process. During packaging material preparation unique serial codes are printed on labels or cartons and verified. Good planning pays off at this stage. With just one Track & Trace module, you can control multiple packaging lines via data connections. No further integration effort is necessary.



### M & V modules for a secure packaging process

You can choose among different mark&verify modules. These can be fit easily and quickly into existing packaging machines. Configured as mark & verify machines, their integration into your packaging line or their use as stand-alone units is possible. Compact M&V modules are the perfect solution for limited space, other models permit the use of diverse printing technologies.



### Manual rework and warehouse module

Our rework and warehouse module is a mobile solution for manual aggregation. Its user-friendly application and easy connection to existing data management systems make it a perfect fit for packaging tasks at the packaging line, in the warehouse and for wholesalers.

## Together we are strong

### The cornerstone of packaging security

Since 1999, Laetus relies on modular network based system solutions. This web technology (wt) offers the option to combine any number of different devices into a local network and and to easily adapt it to changing requirements. Our comprehensive experience in the area of web technology has been used to its fullest in the development of our Secure Track & Trace Solutions.

### Combined expertise

The implementation of any complex solution often requires extensive expertise from different specialities. That's why we've built an international network of partner companies. If desired, we can work closely with our customer's responsible system suppliers to integrate with MES/ERP systems.

### Turn-key project management

With our know-how and long lasting experience we analyse your processes with you and support you in the definition of your special requirements for a Track & Trace system. As a result we can ensure a competent project management for the implementation of S-TTS in your company. Whether in individual project phases or throughout the entire project – we take full responsibility for the project or share it with partner companies if desired.

### Customised service and support

Our world-wide service sets benchmarks. Our specialists are available around the clock, via hotline and face-to-face. Beyond technical support, we offer on-site training adapted to the specific needs of different user levels in your operation.





# POLYPHEM INSPECT SUPPORT CONTROL ARGUS CAPIIS

The health of patients is a topic near to our hearts. With 40 years of experience in development and production of inspection solutions, we are able to ensure the authenticity and quality of products. CAPIIS stands for the unique, modular competence and service offering of Laetus. It ensures your economic and compliance goals can be achieved.

## CONTROL

Control and optimise your processes with Laetus. Our overall competence in the area of process solutions is reflected in our Secure Track and Trace Systems (S-TTS). Due to their modular design and the connectivity of their individual components, they can be integrated into any existing processes ensuring secure product tracking and greater effectiveness.

## ARGUS

Synonymous with reliable print inspection, ARGUS provides the entire spectrum of product and packaging security from straightforward code recognition to the inspection of additional colour information, clear text and artwork.

## POLYPHEM

Packaging is one thing – correct content is another. This is where POLYPHEM shines. Over 2,000 installed systems and continuous development make us the world market leader in the area of fill inspection and quality assurance.

## INSPECT

Quality control isn't just quality control. Tell us which quality criteria are relevant to you and we'll implement your bespoke inspection system composed of qualified flexible standards.

## SUPPORT

We're there for you – around the world, around the clock from beginning to end. From the first consultancy and discussion through commissioning, support and hotline: Our specialists are at your side throughout the entire process.



