

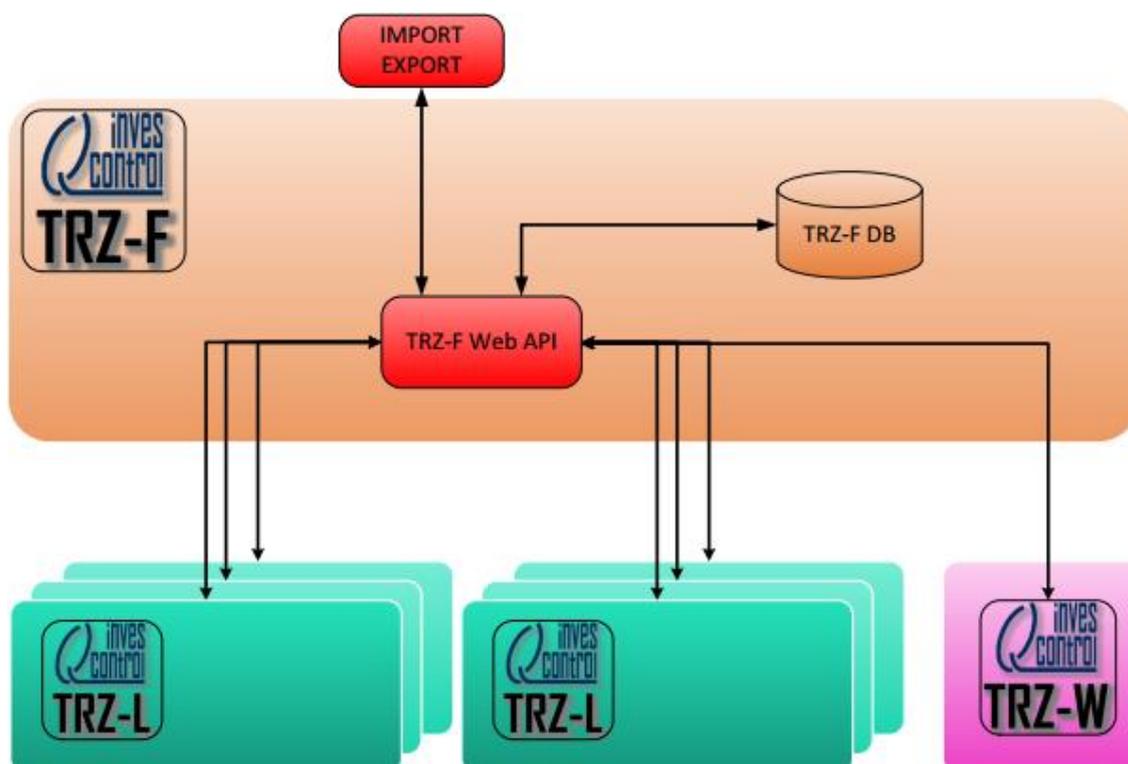
TRZ System Description

To fulfill the current standards of traceability and anti-counterfeiting of drugs, each product unit is marked with a unique number (serialization) and in some cases, each group is labeled with a barcode indicating the products contained inside, (aggregation).

Invescontrol proposal for compliance

In order to provide a modular and scalable product that allows compliance with current regulations and is easily adaptable to the future, Invescontrol has developed the TRZ product which, through its various modules, provides all the elements necessary for compliance at line level and the possibility of expanding to higher levels of plant and corporation.

It provides all the necessary elements for compliance with traceability rules at the line level and the possibility of expansion to the higher levels of plant and corporation.



DESCRIPTION OF THE DIFFERENT MODULES TRZ:

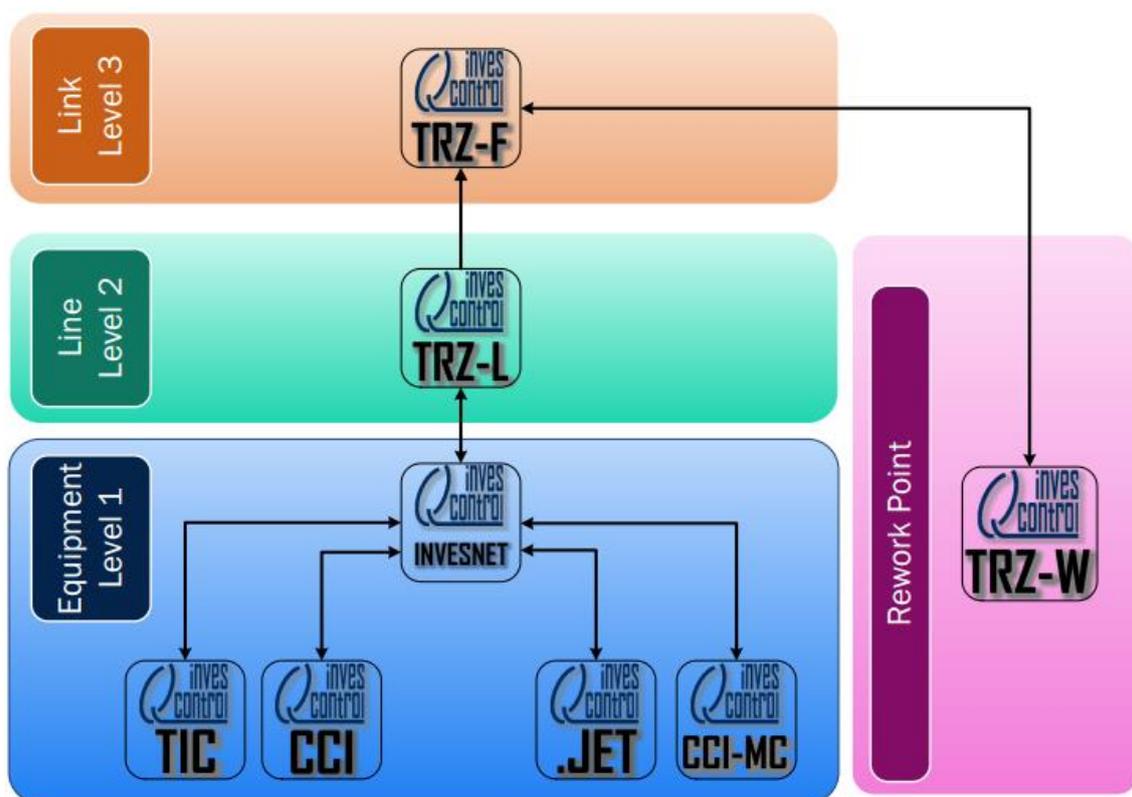
TRZ-F, consists of a database where production orders, batch and traceability codes, which are needed to work on the lines, are initially prepared and stored.

It consists of a website and an API Web service as a communication interface between the systems own enterprise management, ERP, MES, operators, etc., and production lines.

Its function is also to store the results of the production line from the TRZ-L. These results will be accessible from the warehouse to allow to modify them in case of breakage of some box, sampling, etc. using the TRZ-W.

Once closed batches produced in the lines remain in the TRZ-F indefinitely; temporarily or until some other enterprise system (ERP, MES, SerialTrac, etc.), downloads them.

The names of the production orders will remain in the TRZ-F for security reasons regardless of where the batch codes are finally stored. In this way, generating line batches with repeated names can be avoided.



TRZ-L + InvesNet, provide necessary tools for compliance in line production level.

For performance reasons there is a component TRZ-L for each line.

Each InvesNet manages the machine devices (printers, cameras, transport modules) while the TRZ-L is responsible for monitoring the traceability of the line.

Only the current batch traceability data is stored in the TRZ-L. Once a batch is completed and reconciled, the data is sent to the TRZ-F.



For efficiency and safety reasons, there should not be any data on the line that doesn't belong to the batch currently in production.

The response times of the database have to be optimal in the line. If data from previous batches were stored and the database were growing, the performance would decrease gradually.

Graphic description of the components

