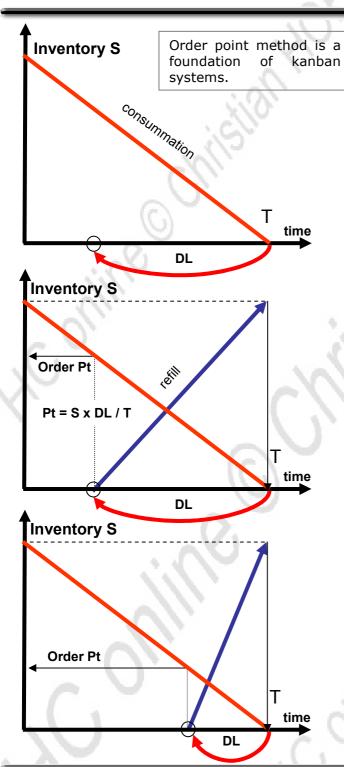
## HC online

## Kanban Basics Order point



A workstation consumes regularly in time parts or material from his inventory, set to the quantity **S**. To prevent stoppage, a new supply of **S** must occur at latest at **T**, at the very moment the last unit is drown out of inventory. To deliver just in time, the supplier must anticipate his refill in a time span equal to the delivery time **DL**.

The delivery time **DL** must encompass all accumulated delays of all the necessary operations to refill the inventory:

- Put the order,
- Order taking at supplier's,
- Processing the batch (fabrication, preparation..)
- Delivery of new batch,
- Etc.

In a just in time delivery, **DL** allows supplier to make or prepare the required quantity (**blue** line).

The projection of the moment **T-DL**, which triggers the supply, onto the inventory quantity axis, is the **order point** (in units).

The shorter **DL**, compared to consumption time **T**, the lower the order point and the less the supplier will be asked to refill by this consumer.

This allows supplier to serve more than one customer as long as deliveries / consumption combinations remain manageable.

Condition of feasibility:

 $\sum_{DL} < \sum_{T}$ 

## HC online

## Order point label

