

## Lean Pull – Kanban



The Lean Pull Expert Course is focused on the Pull production system implementation:

- We go through the possible layout of workplaces and their boundary design to insure operators work effectively and material handlers supply material and withdraw the finished goods just in time.
- We learn how to design storage layout and calculate the size of supermarket.
- We define the different prerequisites for Kanban implementation and we learn Kanban rules and calculation through practical exercises. We also focus on production leveling and the creation of small production lots in Kanban system.



## Lean Pull – Kanban

**Duration** 3 days

**Target group** Production managers, quality managers, quality engineers, process engineers, supervisors, logistics and planners, lean coordinators

**Number of participants** 10–14

**Typical cases**

- High WIP level and lack of space for the WIP.
- Complicated production planning of particular production departments including need to count the stock between them.
- Complicated material flow and sometimes lack of material, often looking for material.

**What you will learn**

- Design workplaces according to Pull system (Ergonomics, LCIA).
- Design workplace borders and standardize their material supply (Mizusumashi).
- Design storage layouts and supermarkets including their size calculation (FIFO).
- Implement Kanban in production (Withdrawal, Production, Signal Kanban).
- Use the production leveling and utilize small production lots (Leveling box, Heijunka, EPEI).

### Modules of training and agenda

Pull production	Kanban
Workplace design	Production leveling (Heijunka)
Workplace borders design	FG storage
Low cost automation (LCIA)	Audits (Kamishibai)
Supermarket	Kaizen activities