

Introduction



Words... Lean Talk!

- Kaizen
- Process Kaizen
- Machinery Kaizen
- JIT
- SMED
- Heijunka
- Kanban
- Monozukuri
- Jidoka
- Muda
- Mura
- Muri
- Mottainai
- Yokoten
- Karakuri
- Poka-yoke
- Hyojun Sagyo
- Hoshinkanri
- Kata
- Andon
- Takt Time
- Gemba
- DoJo
- Hansei
- Defects
- Hinshitsu No Tsukurikomi
- Omotenashi

Kaizen

To Make Good



Process Kaizen

To improve a process



Machinery Kaizen

To improve Technology



JIT

Just in Time



SMED

Single Minute
Exchange of Dies



Heijunka

Leveling or reducing variation helps organizations meet demand while reducing wastes in production.



Kanban

Signal System

Taiichi Ohno, an industrial engineer at Toyota, developed **kanban** to improve manufacturing efficiency.



Monozukuri

Pride of Craftsmanship

'Mono' the thing you make

'Zukuri' the act of making

Monozukuri implies more than simply making things. It can be best compared to the word 'craftsmanship' in English.



Jidoka

Automation with the human touch

Jidoka highlights the causes of problems because work stops immediately when a problem first occurs. This leads to improvements in the processes that build in quality by eliminating the root causes of defects.



Muda

Waste



Mura

Unevenness



Muri

Burden



Mottainai

Deep sense of regret
about waste



Yokoten

Sharing learning laterally
across an organization



Karakuri

Automation without power



Poka-yoke

Mistake proofing a process



Hyojun Sagyo

Standard Work



Hoshinkanri

Long Term Planning



Kata

Routine

Choreographed
Patterns of
Movements



Andon

To Notify
Management,
Maintenance, And
Other Workers Of A
Quality Or Process
Problem.



Takt Time

The Rate At Which
Products Needs To Be
Completed In Order To
Meet Customer
Demand.



Gemba

“The Shop Floor”

The Scene Of The Crime

Japanese TV Reporters
Refer To Themselves As
Reporting From **Gemba**.



DoJo

The place where you
practice



Hansei

To Acknowledge One's
Own Mistake And To
Pledge Improvement



Huryo

Defects



Hinshitsu No Tsukurikomi

Building Quality into the
process



Omotenashi

Real Sense of the
customer ... hospitality



Himo

The String that runs above the production line that any work can pull and stop the line so defects are not passed to the next works

Itadakimas

Thank you for this food

Ikimashou

Let's go