

Operations Improvement and Productivity

Operations improvement is a key skill required for all levels of organization, from the operator in the facility or warehouse to the high-level executives. In order to meet this requirement, we offer various courses that teach practical techniques and that are applied in many industrial organizations, yielding certain opportunities. We offer these courses under the three headings:

- Planning Manufacturing Cells.
- Results-Based Improvement.
- Lean Manufacturing.

All of these go beyond physical planning to include procedural and personal aspects of industrial operations.

Manufacturing cells offer many facilities the best opportunity to improve operations. They are particularly suitable for today's shortened product life cycles and production settings with increased product diversity. Cells also constitute the building stones of lean manufacturing systems. The facilities that established cells identified the following typical gains:

- 65-90% reduction in materials handling effort.
- 50-90% reduction in flow time.
- 75-85% reduction in inventory.
- 50-90 percent reduction in shrinkage.

Attention! These gains were enabled by operators equipped with the training of

Richard Muther & Associates (RMA) and improved to implement RMA plans, and only through cells. They do not need to implement the whole Toyota Manufacturing System (Lean Manufacturing) or Six Sigma program.

By teaching the time-rewarded techniques of industrial engineering to your engineers, foremen, technicians and operators, they can achieve quick and lasting improvement, which many programs cannot achieve, in daily operations by themselves.

Our Cellular Planning courses are based on the Systematic Planning of Manufacturing Cells (SPMC). Developed by the authorities specialized in manufacturing cells in Richard Muther & Associates (RMA), SPMC follows the other proven systematic methods of Richard Muther. SPMC has also been documented through articles and "on-line" training programs.

Our Results-Based Improvement courses teach the 24 time-rewarded tools and techniques of industrial engineering and quality improvement. These courses can be easily learnt by employees at all levels and can be applied to any recurrent work in manufacturing plants, warehouses or administrative operations. In addition, these courses teach a structural and six-step approach to organize and complete operations improvement projects. Our Lean Manufacturing courses teach the key techniques and applications required for implementing the Toyota Manufacturing System. In addition to production line cells planning, it teaches the application of lean manufacturing principles to manufacturing operations.



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