

Checklist A

Advanced Special Award for TPM Achievement

Categories		Check Points
1	TPM Policies and Objectives	As premises for the fulfillment of corporate social responsibility (CSR), the corporate vision for business growth is defined and open management takes place based on the roadmap.
		With distinctive and innovative TPM activities fusing market needs and corporate seeds, restrictions hindering product cost reduction and loss are being thoroughly eliminated.
2	Focused Improvement	Loss hindering product cost reduction is accurately extracted, with the participation of all departments, including sales, development, production, distribution, and management.
		Loss from product cost is being categorized in line with the flow of materials and information, and activities in each department and section and activities surpassing departments and sections are clarified to achieve zero-loss.
		Cost effectiveness is being considered for improvement, and methods appropriate for loss items are being effectively used.
		Many zero-defect and zero-breakdown lines are created with improvement measures, and there are many cases of reduction in non-value-added processes.
		New technologies and processes are being developed that can be boosted in the industry.
3	Autonomous Maintenance	Steps for autonomous maintenance are evolving to the point that autonomous management is being implemented.
		Training to upgrade maintenance skills continues to be provided, with skill level goals being upgraded and reaching a high level.
		The autonomous maintenance percentage has been heightened to reach goals by involving a part of the professional maintenance operation.
		All staff members are flexibility dealing with new equipment, products, and processes, and are working for workplace improvement.
		Improvement proposals are actively made, leading to a cheerful, safe, and pleasant workplace.
4	Planned Maintenance	Computers are effectively utilized to provide good results for spare supply management, maintenance fee management, and maintenance information management.
		Methods, tools (measuring instruments, sensors), and evaluation methods for facility analysis are being systemized.
		Ex post facto, regular, prognostic, and improvement maintenance are differentiated in consideration of appropriate maintenance fees, and are effectively implemented.
		The facility makes autonomous maintenance easy to handle.
		With improved maintenance, measures for zero breakdown and defects, and conservation of resources and energy, are implemented and there are many cases that produce effects for product cost reduction.
5	Quality Maintenance	The 4M requirement to ensure quality is clearly defined, role sharing by each pillar is accomplished, and collaboration issues are specified to prevent defect occurrence and outflow.
		A structure and facility that prevent material defects, and establish and manage operation and work requirements, are set up and are showing results.
		It is possible to track down material procurement, manufacturing, and distribution records for each product, enabling easy pinpointing of causes of defect generation and outflow, making it possible for improvement measures to be taken immediately.
		Quality maintenance at the mass production stage is in effect.
		Systems are in effect for zero-defect production.
6	Early Management	A cross-functional system and information network is organized for development management by sales, development, designing, trial production, manufacturing, and distribution departments.
		Evaluation is performed in new facility development for product cost-saving benefit, operability, maintenance, safety, environmental load, and LCC.
		LCA is introduced in the development of new products.
		CAE and 3D-CAD simulation technology is used at the development stage progressing in non-test production.
		In view of the market lifespan of a product, a percentage-of-sale goal value is set up for new products, and the goal is being met.
		Product development with high customer satisfaction is taking place with intellectual property rights, such as patent applications, being obtained.
7	Education and Training	Necessary technology and skills, core and detailed, are being systemized, and training programs are installed and provided in steps according to job and position.
		Training programs are established in line with corporate renovation, and employees are improving in the technological and skill aspects of their positions.
		Training is provided to foster human resources that can comprehensively manage cross-functional organization for development.
		The criteria for training assessment are in good order and are proving conducive to operator revitalization.
		The number of certified equipment maintenance engineers is increasing.
		The training provided, which is firmly established, inspires motivation, purpose, and ease.
8	Improvement of the Administrative and Indirect Departments	A management control system is established that connects related departments such as the sales and distribution departments.
		A system is established for product cost control for each product in line with the flow of materials and information.
		A support system is established that leads to the optimization of the overall production process.
		Improvement measures are actively installed for operation contents and are showing results.
		A project is actively deployed for time reduction with significant efficacy of operation.
		The workplace is made kind and pleasant by taking time reduction measures and giving consideration to senior staff members.
9	Safety, Health, and Environment	Company policies regarding safety and the environment are being observed in every area of company operation.
		Considerations are made for sound human relationships in the workplace and employee satisfaction surveys are carried out regularly.
		Training is systematically provided for safety assurance, environmental conservation, and disaster measures.
		Workplace safety, environmental conservation, and disaster measures are evaluated when new technology, equipment, or products are being introduced.
		Waste and emissions are being controlled with yield enhancement and energy source improvement.
		The work environment is becoming pleasant to its workers with workplace environmental protection (measures for noise, odor, and light), sanitary measures, and health checkups.
10	Effects and Evaluation of TPM	TPM activities are in place with a goal-oriented emphasis.
		Through continuation of TPM activities, applied goals are being met.