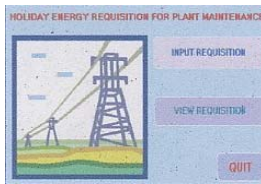


Activities 2000

Minebea Group of Companies (Thailand)

1. Developing of Holiday Energy Requisition Database for Plant Maintenance to control energy used in holiday of Bang pa-in Factory.
(Bang pa-in Factory)



2. Installation of mistcatch at machine to decrease oil mist concentration.
(Bang pa-in Factory)



3. Installation of insulation at barrel of injection molding machine to decrease temperature at work place.
(Bang pa-in Factory)

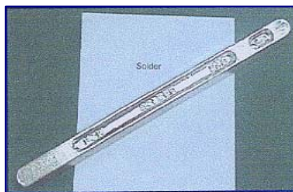


Insulation



Current Recorder

4. Changing Solder bar and solder wire to Lead free solder that is safe to employee and environment.
(Bang pa-in Factory)



Solder Bar



Solder Wire

5. Cancellation of thinner usage for cleaning (Bang pa-in Factory)

There is cancellation of thinner having low flash point which is 8.9°C used in part cleaning process and TCE (Trichloroethylene) is used instead thinner because it has high flash point which is 93°C .

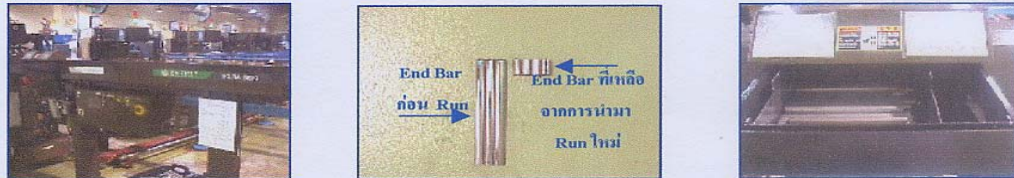
6. Installation of belt conveyer from hydropress to hopper instead of screw conveyer to solve odor problem from hopper .

(Bang pa-in Factory)



7. Reused of end bar by installation of short bar feeding equipment at NC Lath M/C (Turning) to reduce end bar disposal.

(Bang pa-in Factory)



short bar feeding equipment installation

a box to deliver end bar to machine

8. Reused of cutting oil from chip press that can reduce cost, storage area and amount of chip including transportation trip to dispose.

(Bang pa-in Factory)



chip press



oil filtration
(to filter contamination from oil)

9. Monitoring of chemical waste disposal supplier.

(Bang pa-in Factory)



TCE recycle storage



channel to limit chemical leak area

10. Monitoring of waste management of supplier.

(Bang pa-in Factory)



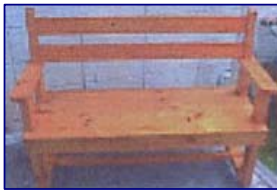
separation



scrap area

11. Reused of wooden case to be wooden chair, pot and shoe cabinet.

(Ayutthaya Factory)



wooden chair



pot



shoe cabinet

12. Installation of oil mist collector at air condition and exhaust fan AHU.

(Ayutthaya Factory)



13. Leaf composting to decrease cost of chemical fertilizer and protect environmental quality.

(Ayutthaya Factory)



composting area



used for planting in factory

14. Installation of oil mist collector. (Ayutthaya Factory)



Oil filtration, filtermist model F7



Grinding RDO04 installed at machine centerless



In order to filter mist installation, oil mist concentration is decreased

15. Reused of oily rag by using bearing crushing machine and washing to decrease oily rag waste and decrease cost of new rag.

(Ayutthaya Factory)



16. Reused of oil at filter by using filtered oil tank. (Ayutthaya Factory)



17. Installation of washing machine that can recycle chemical by distillation process.

(Lopburi Factory)



18. Disposal of Clean Through-750 to wastewater treatment plant. (Lopburi Factory)



19. Installation of cover at machine to protect oil mist dispersion. (Rojana Factory)



20. Separation of oil and coolant to extend coolant using and recycle oil. (Rojana Factory)



21. Reused of coolant by using coolant separation machine. (Syntilo 9913).

(Rojana Factory)



22. Installation of water used meter at washing machine to examine and control water used. (Rojana Factory)



23. Improvement of air clean pipeline to protect air clean tank drop and be convenient to control.
(Rojana Factory)



24. Improvement of chemical store to be effectively leaked protection of chemical and fire protection.
(Rojana Factory)

