

# Activities 2005

## Minebea Group of Companies (Thailand)

1. Installation of thinner separator to reuse thinner . (Lopburi Factory)



2. Setting of auto reader barcode to read barcode of parts. (Lopburi Factory)



3. Developing IT system (recording in computer) instead of paper using to reduce paper consumption.

(Lopburi Factory)



4. Recycle runner plastic from injection molding machine. (Lopburi Factory)



Runner (White)

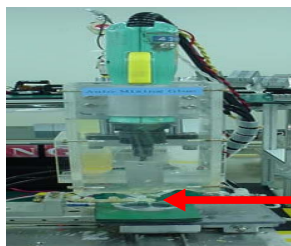


Runner (Black)



Mold Peel

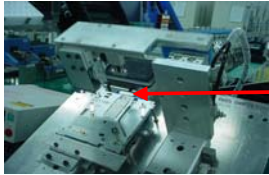
5. Setting auto mix glue machine to reduce waste disposal. (Lopburi Factory)



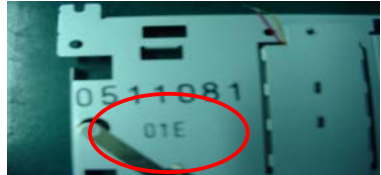
6. Installation of chip separation machine to reuse separated oil, decrease oil temperature and solve chip clogging at oil pump.  
(Lopburi Factory)



7. Setting stamp revision of holder machine to reduce waste disposal. (Lopburi Factory)



Stamp revision of holder machine



Stamp revision

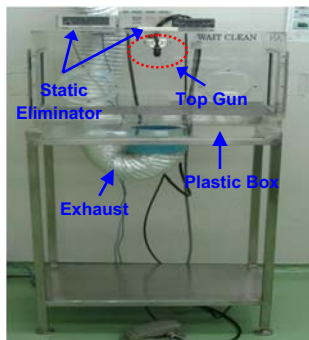
8. Installation of spot air in front of HT machine to decrease temperature at work place and installation of barrier between ferrite and NPB div. (Lopburi Factory)



9. Improvement of part transfer rail by decreasing of the number of rails and increasing of slope of rail. (Lopburi Factory)



10. Setting top gun box at clean room and etching process using in cleaning process to protect dust and noise pollution.  
(Lopburi Factory)



11. Installation of steel plate at chemical store to protect chemical reaction. (Lopburi Factory)



12. Changing of denature clean solution no. 9 to sticky rooler cleaning used in conveyor line cleaning. (Lopburi Factory)



Denature clean solution No.9



Sticky Roller

13. Recycle of chip residue by oil separation process. (Bang pa-in Factory)



14. Installation of cabinet and exhaust to protect ethanol vapor emission. (Lopburi Factory)



15. Installation of cover to protect oil mist dispersion. (Lopburi Factory)



Cover

16. Installation of noise adsorption material at press machine. (Lopburi Factory)



Noise adsorption

17. Improvement of noise control box to decrease noise of plastic grinding process. (Lopburi Factory)



18. Improvement of garden in front of canteen. (Ayutthaya Factory)



19. Arrangement of the 1<sup>st</sup> Green family camping to plant pine tree, to attend family relation activities and to visit pranburi forest park, Prachuapkhirikhan province. (Bang pa-in , Ayutthaya, Lopburi Factories)



20. Arrangement of environmental week fair 2005 to promote employees' concern about environment and give them knowledge of waste disposal. (Lopburi Factory)



21. Obtainment of the best of occupational health, safety and environment 2005 from department of labour protection & welfare, ministry at labour in the 19th occupational health and safety week fair 2005 on may 9, 2005

National Awards :

- |   |  |
|---|--|
| 1. Minebea Thai Ltd. (Bang pa-in Factory) | 4. Minebea Thai Ltd. (Rojana Factory)      |
| 2. NMB Hi-Tech Bearings Ltd.              | 5. Minebea Electronics (Thailand) Co.,Ltd. |
| 3. NMB Precision Balls Ltd.               | 6. Power Electronics of Minebea Co.,Ltd.   |

Provincial Award :

1. NMB Thai Ltd. (Ayutthaya Factory)

Moreover, Pelmec Thai Co.,Ltd. has received honorable mention awards in management and health protection.



22. Installation of analysis instruments to deal with RoHS directives ;

- UV-Visible Spectrophotometer to analyse hexavalent chromium. (Bang pa-in Factory)



- ED-XRF to screen analysis of Cd, Pb, Cr, Hg and Br. (Bang pa-in and Lopburi Factories)



- Gas Chromatography Mass Spectrophotometer to analyse retardant substance such as PBB and PBDE.  
(Bang pa-in Factory)

