

**New Product Planning  
(Group NPI)**

**Source Data  
Conversion**



**Product Technology  
Analysis (FMEA)**



**Release of Operation  
Standards (SOP)**



**Manufacturing Engineering Capability**

- Component specification: 0201, 01005
- Element spacing: 0.4mm, 0.3mm
- Process capability: POP, Underfill, Three Anti-Coating, Pressing and Welding
- Testing ability: X-ray
- Real-time monitoring of reflow soldering stability (Esamber system)
- Functional testing ability: ICT, FCT
- Ageing (High/Low temperature Testing)
- Assembling and testing ability of the whole unit
- Small LOT multivariate production capability
  - SMT Hybrid duplex production mode (Production scheduling and Material Reserve model)
  - DIP Mixed Flow Production Model (Product Classification, Uniform Fixture Specification and Multi-skills of Employees, Hand-in Automation)



**Ability to analyze and  
solve problems  
(MP Engineering Group)**

**MES system  
abnormal alarm**



**Risk analysis →  
Failure analysis (PDCA) →  
Result verification**



**Standardized  
Management**