

are frequently employed as an aid in solving complex problems. The industrial engineers are exposed to almost every function of an industrial system, from which a comprehensive overview of a total manufacturing system can be gained.

Equipment Design and Development Engineering

The engineers of this group are responsible for the designing and modification of equipment, machine evaluation and the initiation of automation projects. They are involved in two main areas of engineering — the mechanical and the electronic fields.

There are ample opportunities for research and development work. Hence creativity and initiative are of vital importance.

QA Engineering

The responsibility of QA Engineers is to develop, evaluate and implement quality assurance procedure for controlling and assuring material process and product to meet quality

requirements. They have to organise QA inspection facilities and use statistical methods to report inspection results, product failures and problems and generate quality information for corrective action. Customer's quality problems are also investigated and resolved by them.

Chemical Engineering

The Chemical Engineer is primarily concerned with the smooth running of the electroplating and wave soldering processes, through on line monitor such as plating bath and solder analysis.

They are also responsible for developing new processes from time to time so as to improve the lead finish quality and to reduce manufacturing costs. The main tasks of the technicians in this area are plating both chemical analysis and trouble-shooting.

Plant Engineering

Plant Engineers are mainly concerned with the design and supervision of building services

such as airconditioning systems, lifts, general lighting, as well as plant engineering systems such as power distribution, waste treatment system, compressor and compressed air supply distribution, anti-pollution installation, industrial gases' distribution and energy conservation system. They are also involved in plant expansion projects. The technicians are mainly responsible for general maintenance of the various systems.

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Engineers having a discussion beside the Sentry V.