Worldwide service at the highest level

When using CLEANSEM Principles Support Technological Solutions /System, availability and service support are one of the key and important aspects.

This includes Preventive Maintenance, Repair and Calibration. But in today's fast-paced, leaner industry, companies often have neither the time nor the resources for these measures. CLEANSEM with her PRINCIPLES are different.

Our mission is to provide service that is as reliable and high quality as our equipment. With global presence, we guarantee fast reaction and turnaround times, resulting in increased efficiency, minimized downtimes and higher quality for our customers.

DISPENSING TECHNOLOGY

Manual Dispensing

Precision fluid dispensing & adhesive dispensing equipment to service industries including; aerospace, military, material packaging, industrial assembly, medical device, electronic industries along with others.

Our consumable product offering includes industrial dispensing syringes, cartridges and fluid dispensing tips. Additionally we offers automated fluid dispensing solutions including adhesive dispensing, liquid dispenser & epoxy dispenser systems, precision valves and controllers as well as a multitude of dispensing system solutions for your business. Whether your fluid dispensing application is using material as thick as solder paste or as thin as a solvent, we offer a variety of adhesive dispensing & fluid dispensing system solutions to meet your applications requirements.
Dispensing Consumables

Cartridges & Material Packaging
Our Principles develops dispensing machines based on experience with production techniques and process knowledge. Developing modular systems that can be reconfigured for future needs. We offer dispensing machines to small companies as well as to multinationals who want to gear up their production:

- Conformal Coating System
- Underfill Dispense System
- Jet Dispensing
- Volumetric Dispensing
- Potting and Glob –Top
- DAM & Fill
- Sealant Dispensing
AOI Inspection (AOI) Solutions Providers.

- Solutions and systems for all the electronics & semiconductor industry's inspection tasks

Our principles develops, manufactures and sells high-quality inspection systems. The product portfolio encompasses the complete bandwidth of Optical and X-ray inspection operations, especially in the area of Electronic Assemblies & Semiconductor Frontend & Backend Manufacturing

Our systems are used whenever 100% automatic inspection of electronic assemblies is required, such as in the production of Automotive electronics, Aerospace technology and Industrial electronics.

The objective is a flawless product for the customer and efficient process control.
**X-ray Inspection (AXI/MXI)**

X-ray inspection systems are used wherever defects need to be detected by non-destructive means. The spectrum of use is broad and includes a wide range of different sectors and inspection tasks, from testing of materials for cracks and air inclusions to foreign matter inclusions and shape deviations. In the electronics industry, too, the increased use of miniature housings and the trend toward moving components inside the electronic assembly require high quality inspection that catches hidden defects cost-effectively and with certainty.

For these uses, our Principles has developed tailored solutions: The inspection systems with various model & type are used for customer-specific non-destructive testing tasks (NDT), e.g. in small-series and prototype production for optimizing process development, and in random sample analysis.

The product brand and model works off-line and can be operated with manual, semi-automatic and fully automatic X-ray analysis.

The heart of the system is the microfocus-transmission tube to meet the highest demands for resolution, stability and service life. The tubes can even be used in the sub-micro area. Many prominent international companies also install it successfully in their OEM products. Depending on the application, 3D-, 2.5D- or 2D-X-ray technology is used to achieve the greatest inspection depths and shortest cycle times. Optionally, the system also can be equipped with an AOI unit and used as a combined AOI/AXI system.
Automated Production Solution

Provides conceptualizes, design and manufactures automated production systems to customers globally. Highly regarded for its world-class quality products, produced with the flexibility and nimbleness demanded by its global customers.

Automatic Loader & Unloader

Dual Magazine Loader & Unloader
ISO 9001: 2008 Quality Management System
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11700 Penang, Malaysia
Tel: +604 6570 400
Fax: +604 6570 408

Laser Marking Cell

Work Station
USED Equipment for Frontend & Backend
Spare Parts
And
High Precision Parts & Tooling

CLEANSEM provides customization and design of high precision ESD Pick up Collet, Jigs & Tooling.