

## Professional Soldering Technology from Start Nitrogen-Inline-Selective Soldering System



**ELS 4.2 the optimum platform for the inline production**

Since 1993, INERTEC have installed hundreds of ELS systems into the global marketplace. The ELS system brings automation in lieu of manual operation, thereby improving the quality and setting higher soldering standards. The solid construction, servo driven axis and solder pump motors together with the simultaneous wave height controlling system ensures precision accuracy and optimum repeatability. The system can be configured to be inline, with pallet or without, barcode reader, modular exchangeable preheater units, dual solder pots, multi stamp soldering modules and much more to provide the professional solution for any selective soldering application. For maximum flexibility the system can have up to 8 different sizes of miniwave nozzle installed and also has the possibility of utilising a wavesolder nozzle to incorporate wave-soldering and selective soldering applications. Flexibility, operation simplicity and ease of programming makes the system a popular choice for all low volume high mix production and high volume low mix applications.

Nitrogen Soldering System using up to 8 different Miniwave Modules in combination with two Full Wave Modules or in alternative the High Speed Stamp Soldering Module.

Very robust X-Y-Z-Servo-Portal-Conveyor System especially for heavy PCB's or carriers. Sizes 460 x 460 mm.

Simultaneous Fluxing, Preheating and Soldering.

One or two voluminous solder aggregates

Solder pot electrically moveable for maintenance

Autonomous Microdrop-Fluxing System with X-Y servo axis and spray control

Exchangeable tank for the fluxer

User friendly programming  
Comfortable programming

Quick-change-nozzle system  
Integrated process

Variable production platform



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**ELS 4.2**

**Lowest Cost of  
Ownership**