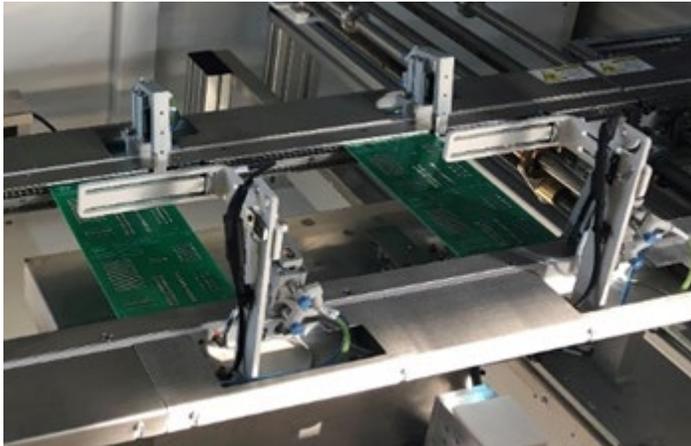


Sequential 2segment Selective Soldering

In-Line Soldering of Boards Without Being Panelized or Requiring Tooling



Two singulated boards being soldered in parallel mode

Overview. Some Nordson SELECT machines can be configured with a 2segment roller conveyor that provides a high degree of flexibility and throughput. These 2segment models can be operated in any of three different modes to meet a broad range of selective soldering requirements. This enables customers to choose between soldering of one board or panel with two different sized solder nozzles, simultaneous soldering of one board or panel with two nozzles operating in parallel, or sequential soldering of two singulated boards at the same time without the boards being panelized or requiring tooling.



2segment configuration soldering panelized boards

Features and Benefits

- The 2segment configuration provides a high degree of flexibility and throughput and can be operated in any of three different modes
- Single panel processing with independent soldering of one board or panel with two different sized solder nozzles
- Single panel processing with simultaneous soldering of one board or panel with two nozzles operating in parallel mode
- Sequential soldering of two singulated boards in parallel mode without boards being panelized or requiring tooling
- Available on Cerno® 508.1, Integra® 508.2, 508.3, 508.4 and 508.5 models

Integrated Solution. The Sequential 2segment Selective Soldering system fully integrates with closed-loop process controls contained in Nordson SELECT's PhotoScan software providing seamless operation for your selective soldering process. Nordson SELECT's closed-loop process controls enable successful results for a full range of soldering applications and ensures stable and repeatable results for high-yield production.

Experience. With over a decade of selective soldering experience and more than a thousand systems currently in production, Nordson SELECT is committed to providing innovative solutions for all selective soldering needs. Our global support network, including state-of-the-art application development labs, provides customers with world-class know-how and application expertise.

Sequential 2segment Selective Soldering

Processing Modes

Some Cerno® and Integra® in-line Nordson SELECT models are available with a 2segment roller conveyor that provides a high degree of flexibility and throughput. These 2segment models can be operated in any of three different modes:

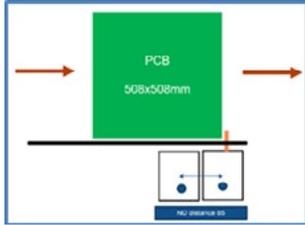


Figure 1: 2seg soldering one board with small and large nozzles

Figure 1: Single Panel with Multi Size Solder Nozzles

- This 2seg configuration operated with single stopper provides single board processing with one or two different sized solder nozzles.

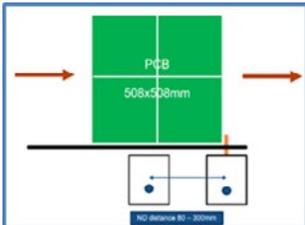


Figure 2: 2seg soldering one panelized board with dual nozzles

Figure 2: Single Panel with Two Solder Nozzles in Parallel

- This 2seg configuration operated with single stopper allows simultaneous soldering of one board or panel with two nozzles operating in parallel. single board processing with one or two different sized solder nozzles.

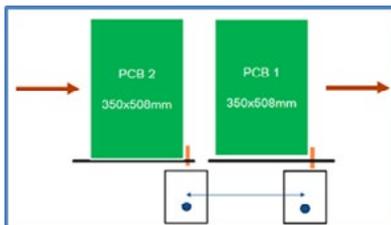


Figure 3: 2seg soldering two singulated boards in parallel mode

Figure 3: Two Singulated Boards in 2 Segment Mode

- This 2seg configuration operated with two stoppers allows sequential soldering of two singulated boards without the need for boards to be in a panel, be palletized or require tooling.

For more information speak with your local sales rep or contact your regional office.

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