

EXELSIUS

PROCESS PARTNER FOR THE ELECTRONICS INDUSTRY

S-LINE

COMPACT CONFORMAL COATING LINE



REDUCE YOUR FOOTPRINT BY UP TO 50%

**RETURN-PATH
PROCESS FOR UP
TO 50% FOOTPRINT
REDUCTION**

**SINGLE-OPERATOR
LINE CONTROL
(One Man Operator)**

**UNIFIED
SUPERVISION
SCREEN :
NEXUS X BY
EXELSIUS**

S-LINE

COMPACT CONFORMAL COATING LINE

THE MOST COMPACT CONFORMAL COATING LINE ON THE MARKET

The S-Line conformal coating line is set to transform your production flow by optimizing both floor space and operational efficiency. Thanks to its unique design, each step of the coating process is arranged within the upper and lower sections of the line, cutting footprint by up to 50 percent. Single-operator control enhances throughput and reduces labor costs, while the line's optimized extraction system ensures lower energy consumption. Fully modular, the S-Line adapts to your production needs, whether for small, medium or high volumes. Choose a solution designed to boost your competitiveness and meet the demands of your market.



Innovative and compact design

Modular configuration tailored to your production needs

Intuitive HMI developed by EXELSIUS

Controlled energy consumption

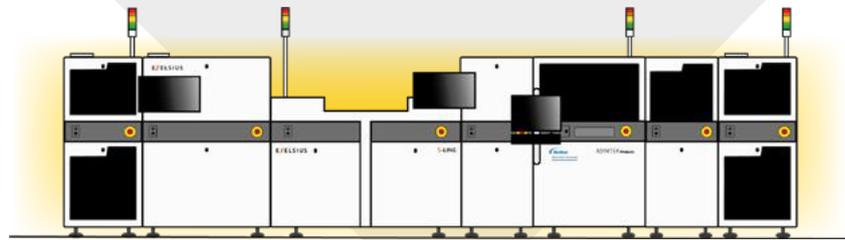


REDUCE YOUR FOOTPRINT BY UP TO 50%

With its unique dual deck design, the S Line brings every stage of the coating process together in a compact vertical layout. While a standard line requires significant floorspace, the S Line achieves the same process efficiency with up to 50 percent less footprint.



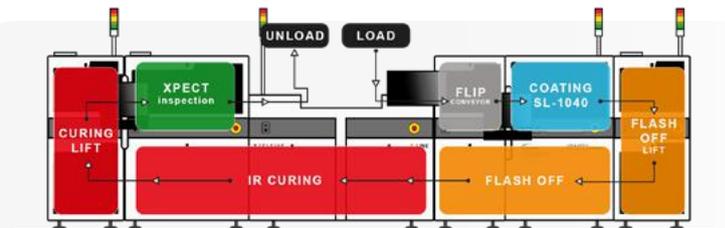
Standard infrared coating line



S-Line coating line

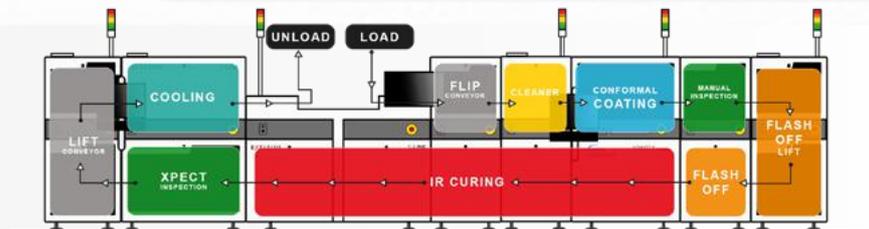
S-LINE ADAPTS TO ALL PRODUCTION CAPACITIES

LOW VOLUME



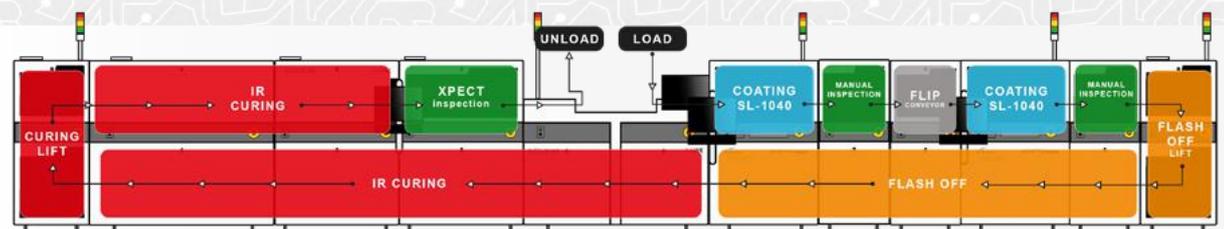
Example of low volume S-Line

MEDIUM VOLUME



Example of medium volume S-Line

HIGH VOLUME



Example of high volume S-Line

S-LINE

COMPACT CONFORMAL COATING LINE

OPERATE WITH EASE AND CONFIDENT

NEXUS^X INTERFACE

Developed by EXELSIUS

Nexus X provides continuous monitoring of your equipment for **real-time tracking**. It allows you to **view and prioritize alarms** based on their criticality, while monitoring performance and quickly detecting any threshold deviations. With its **secure interface**, you can **easily control your equipment** and benefit from **more efficient, proactive maintenance**, helping reduce production downtime.



RUN THE LINE WITH A SINGLE OPERATOR

LINE LOADER / UNLOADER MODULE

The Line Loader / Unloader Module lets a single operator easily load and unload products, streamlining operations and reducing handling time.

CONVEYOR MODULE

With cooling option

The Conveyor Module ensures smooth board transfer with high flexibility. The lower deck can host Flash-Off or IR, while the upper deck can integrate Flash-Off, IR, cooling, or manual inspection.

XPECT MODULE

Automatic inspection

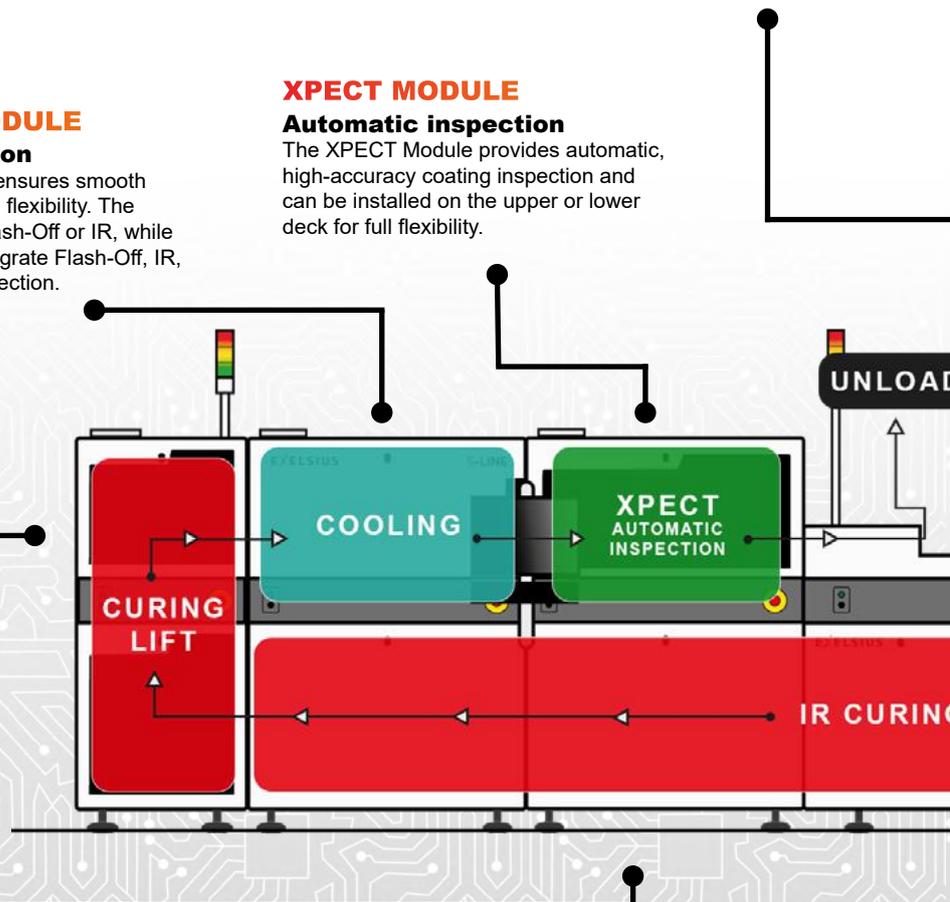
The XPECT Module provides automatic, high-accuracy coating inspection and can be installed on the upper or lower deck for full flexibility.

LIFT MODULE

The Lift Module transfers products smoothly between decks and can include Flash-Off or IR heating for a stable temperature profile.

OVEN MODULE

The Oven Module offers configurable **Flash-Off and IR options** on the upper and/or lower decks. It ensures a **controlled, uniform curing process** for consistent coating results and high throughput.



YOUR PROCESS YOUR CONFIGURATION YOUR S-LINE

THE S-LINE IS MADE UP OF DEDICATED MODULES

for each process step or application. The modules are selected and combined to create the configuration that perfectly fits your production needs. **Its modular design offers full flexibility, allowing you to upgrade or extend your line easily as your process evolves.**

	HEIGHT	DEPTH	LENGTH
LINE LOADER/ UNLOADER	1160 mm <i>(excluding light beacon)</i>	1190 mm	1700 2260 mm
FLIP MODULE	1520 mm <i>(excluding light beacon)</i>	1190 mm	650 mm
CLEANER MODULE	1520 mm <i>(excluding light beacon)</i>	1190 mm	650 1140 mm
COATING MODULE	1520 mm <i>(excluding light beacon)</i>	1329 mm	1000 mm
CONVEYOR MODULE	1520 mm <i>(excluding light beacon)</i>	1190 mm	650 1140 1700 2260 mm
LIFT MODULE	1520 mm <i>(excluding light beacon)</i>	1190 mm	700 mm
OVEN MODULE	1520 mm <i>(excluding light beacon)</i>	1190 mm	1140 1700 2260 mm
XPECT MODULE	1520 mm <i>(excluding light beacon)</i>	1190 mm	1140 mm

FLIP MODULE

The Flip Module combines a Flip Conveyor and an oven module to optimize floorspace. **It automatically flips boards for one- or two-sided coating without manual handling.**

CLEANER MODULE

The Cleaner Module uses ionizing and pulsed air to remove dust and particles before coating, **ensuring optimal surface preparation and adhesion.**

COATING MODULE

SL-1040 by Nordson ASYMTEK

The Coating Module combines the high-performance Select Coat SL-1040 with a Flash-Off or IR conveyor on the lower deck, delivering high coating quality and process reliability.

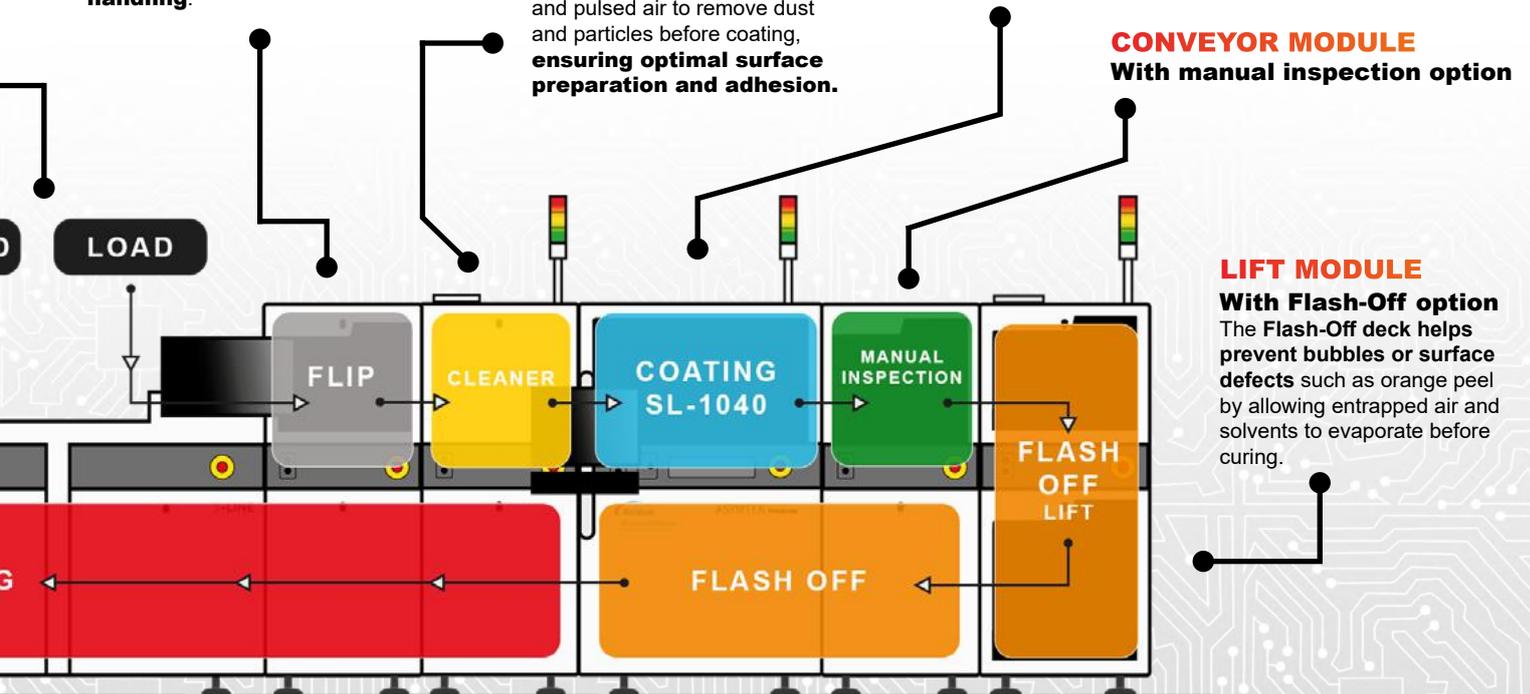
CONVEYOR MODULE

With manual inspection option

LIFT MODULE

With Flash-Off option

The Flash-Off deck helps prevent bubbles or surface defects such as orange peel by allowing entrapped air and solvents to evaporate before curing.



Example of a medium-volume S Line

CONVEYOR MODULE
With Flash-Off option

S-LINE

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OPTIONS

EACH MODULE CAN BE CUSTOMIZED WITH DEDICATED OPTIONS TO PERFECTLY MATCH YOUR PROCESS NEEDS

UPPER DECK OPTIONS

PROCESS CORE

- Flash off
- Cooling
- Inspection : manual

VISION & TRACEABILITY

- UV light for visual inspection
- Reader bracket with sensors and cables for inspection, code reading and traceability.

SAFETY & PROTECTION

- Left/right cover
- Shutters
- Repair cup support
- Coat drop protect
- Lock access control

OPERATION

- Extra screen
- Extra PC
- Keyboard and mouse
- Heavy duty conveyor kit

LOWER DECK OPTIONS

PROCESS CORE

- Flash off
- Cooling

VISION & TRACEABILITY

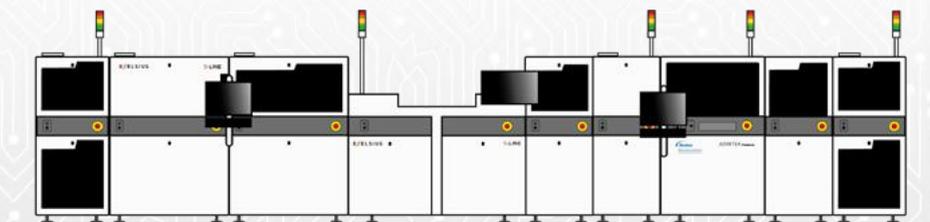
- Reader bracket with sensors and cables for inspection, code reading and traceability.

SAFETY & OPERATION

- Coat drop protect
- Heavy duty conveyor kit

The infrared heating element is available only on lower modules and cannot be combined with any other option.

Some options are not compatible with each other.



**FOR MORE INFORMATION ON THIS EQUIPMENT,
SCAN THE QR CODE AND CONTACT OUR SALES TEAM.**



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