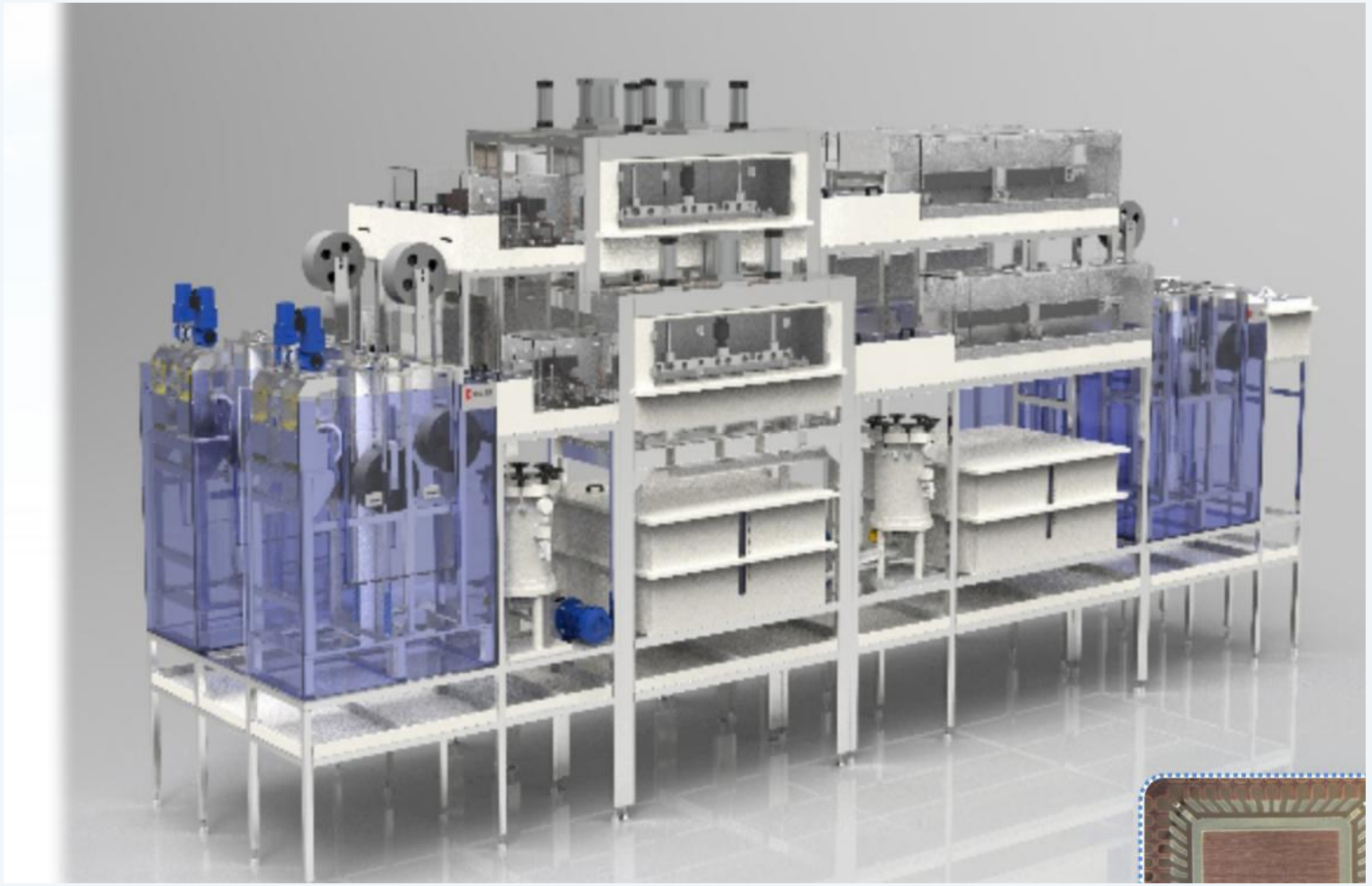
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INDUSTRIAL EQUIPMENT PORTFOLIO

Reel-to-Reel Plating • Precision Automation • Semiconductor Equipment

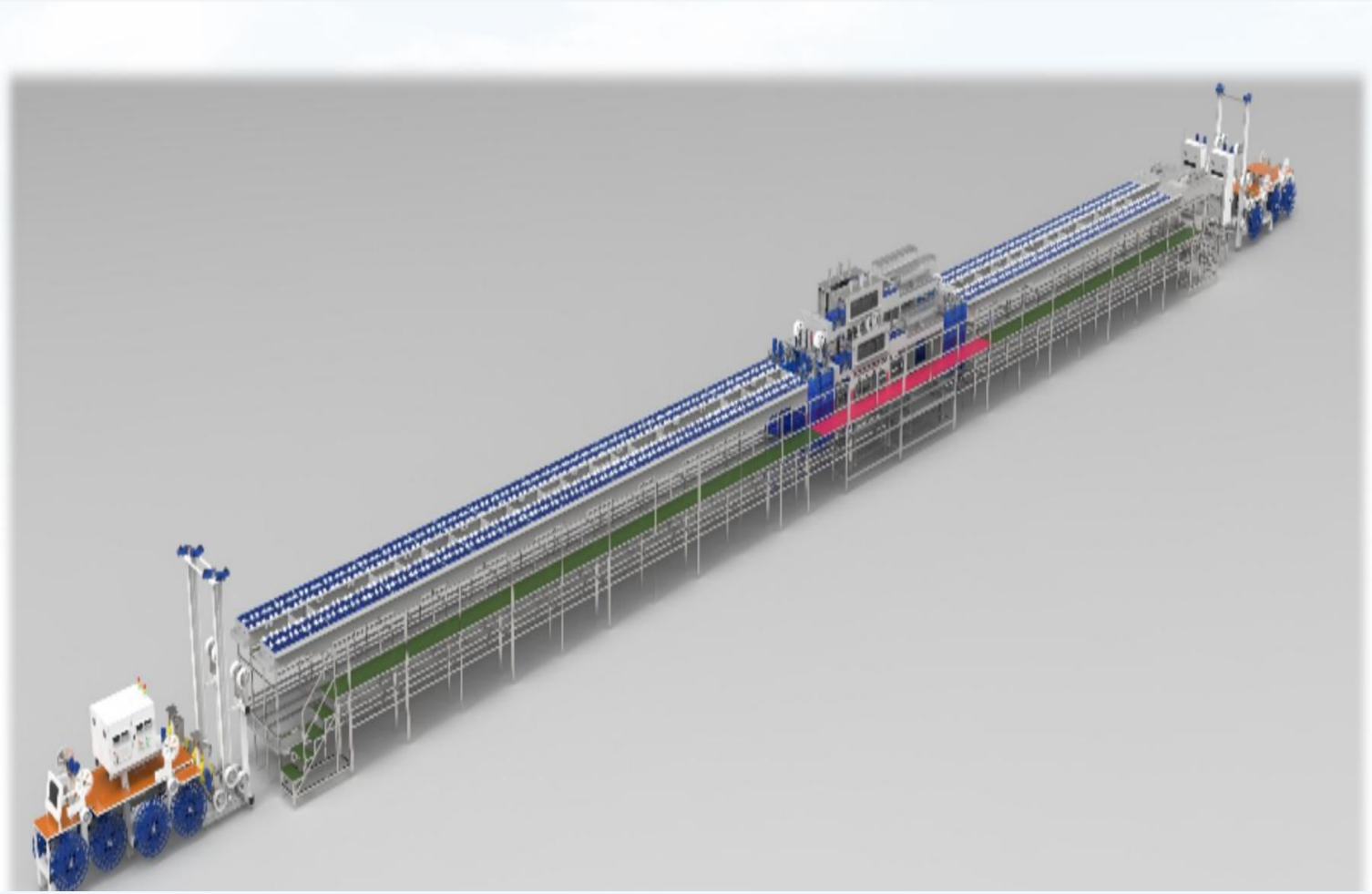
RTR PRESS-PLATE PLATING SYSTEM



EQUIPMENT OVERVIEW

- RTR press-plate electroplating equipment
- Plating accuracy: ±0.10 mm
- Line speed: 1–4 m/min

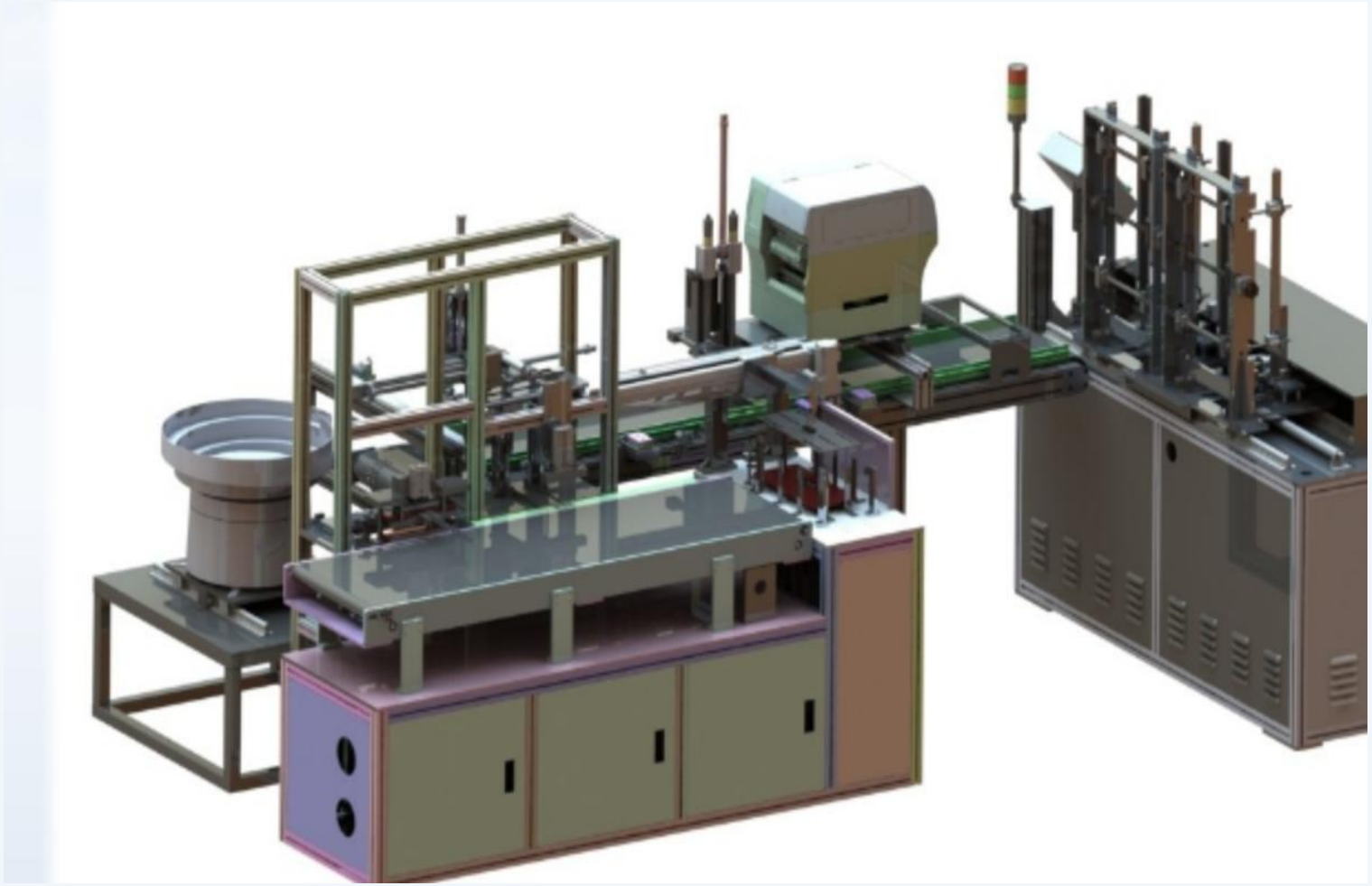
RTR PRESS-PLATE PLATING LINE



EQUIPMENT OVERVIEW

- Continuous reel-to-reel electroplating system
- Complete production line configuration

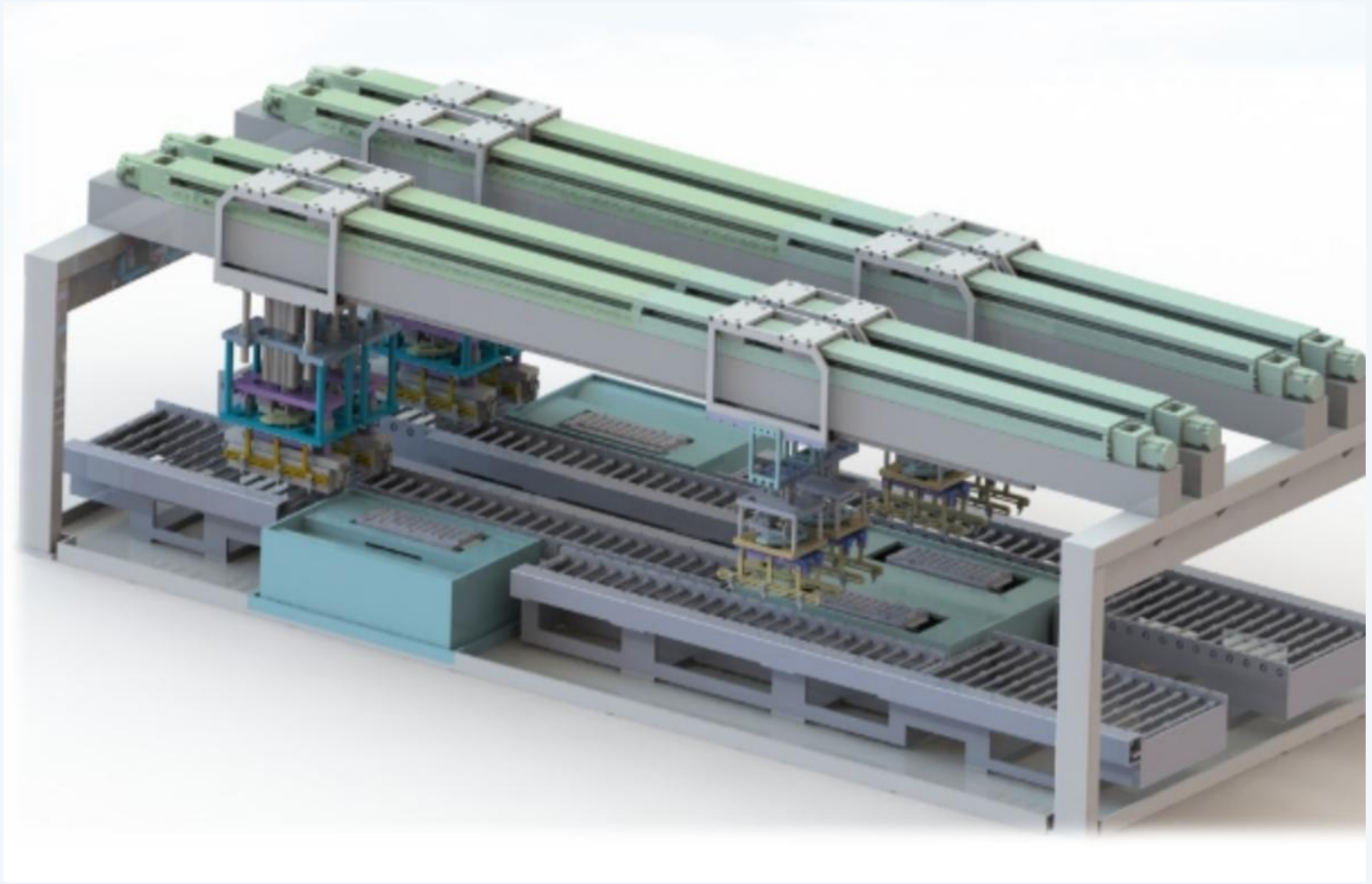
AUTOMATIC PACKAGING MACHINE



EQUIPMENT OVERVIEW

- Automatic label application
- Bagging and desiccant insertion
- Vacuum extraction
- Heat sealing

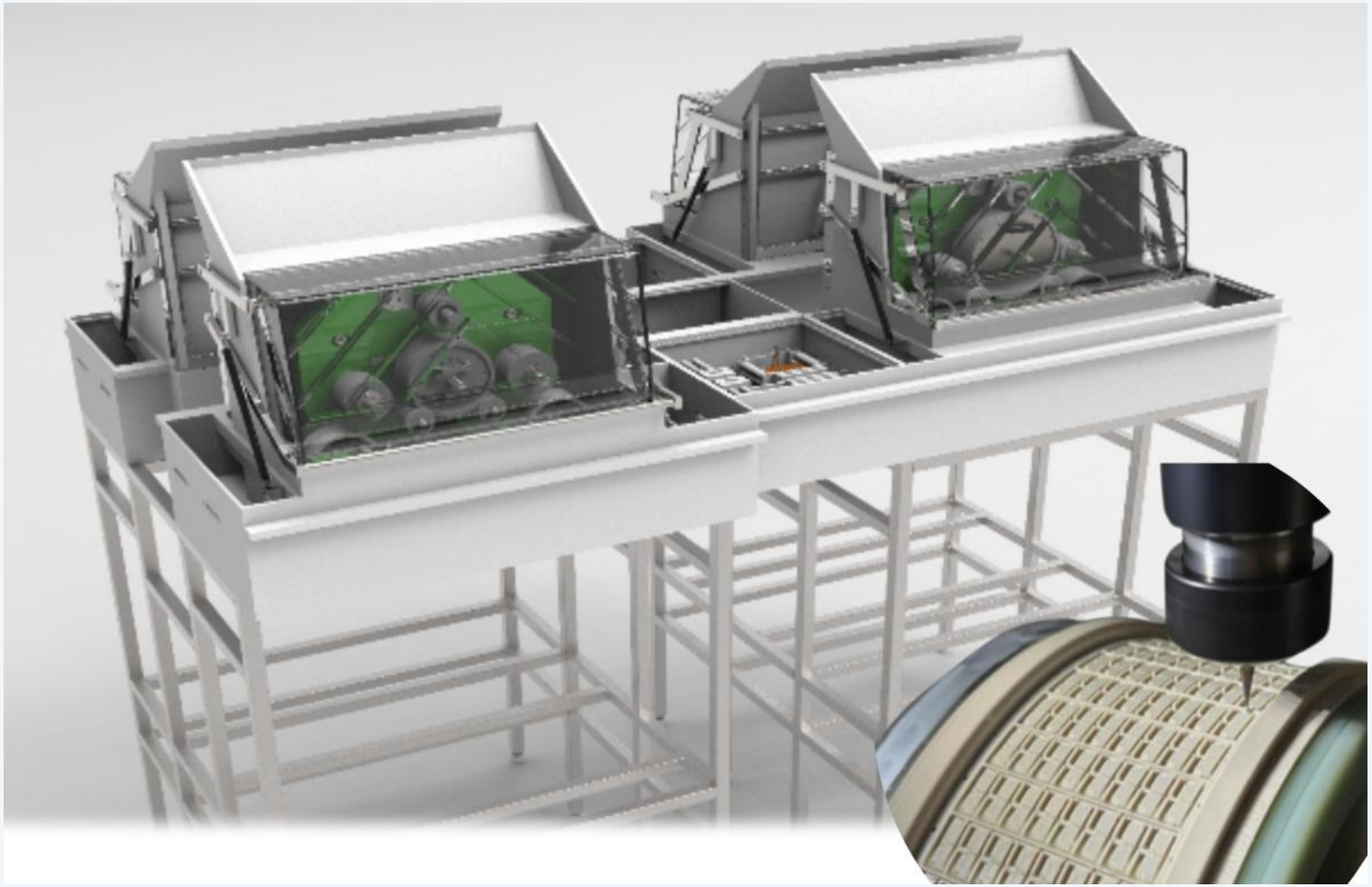
SHEET-TYPE ELECTROPLATING SYSTEM



EQUIPMENT OVERVIEW

- Sheet-type press-plate electroplating
- Plating accuracy: ±0.10 mm
- Line speed: 1–2 m/min
- Main application: QFN

RTR WHEEL PLATING STATION



EQUIPMENT OVERVIEW

- Wheel-type reel-to-reel plating system
- Plating accuracy: ±0.10 mm
- Line speed: 3–8 m/min

RTR UNWINDING MACHINE



EQUIPMENT OVERVIEW

- Buffer length: Designed for required line speed
- Line speed: 1–8 m/min
- Horizontal unwinding: one operating, one standby
- Interleaf paper tension motor
- Optional magnetic powder control / gear motor

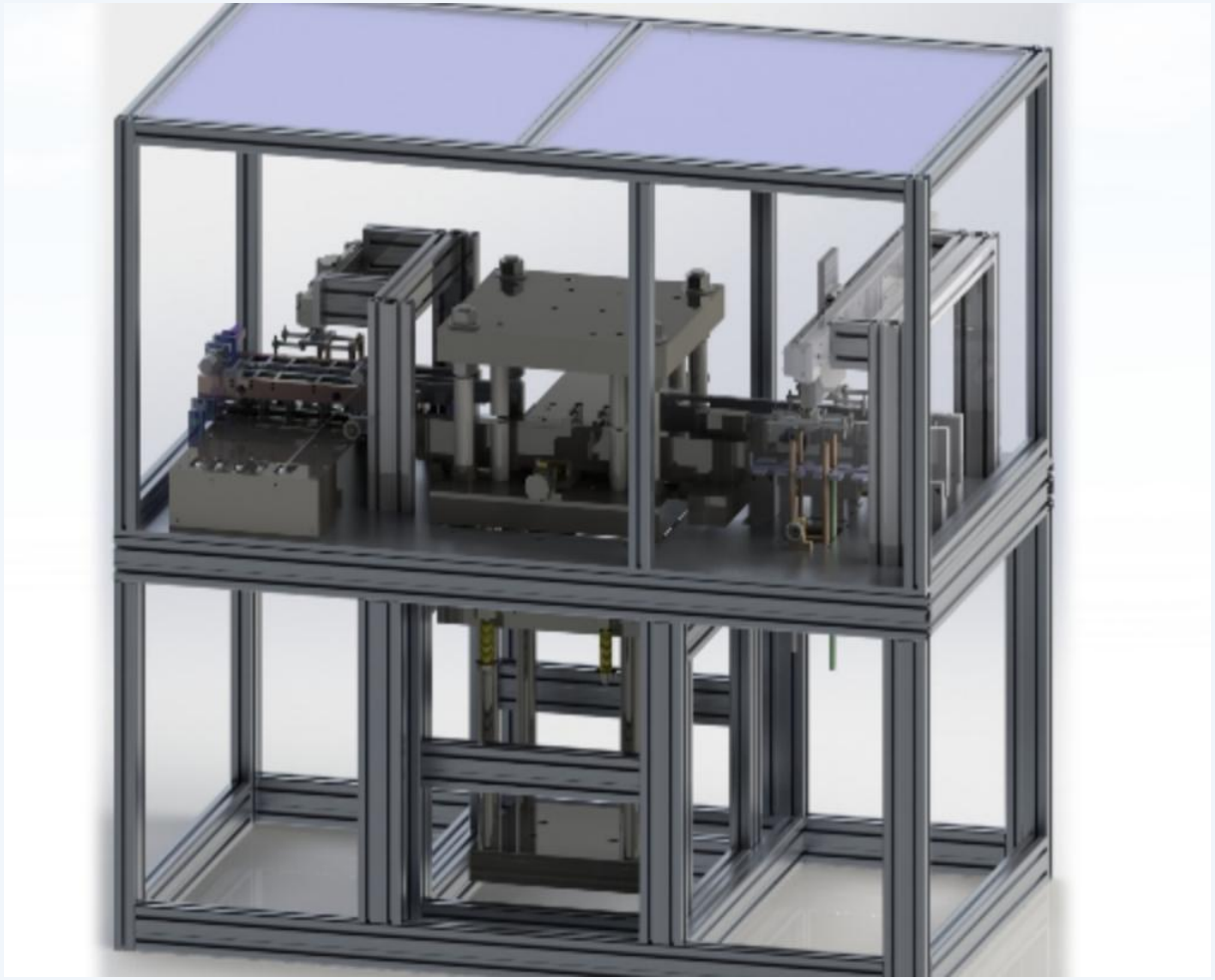
RTR REWINDING MACHINE



EQUIPMENT OVERVIEW

- Buffer length: Designed for required line speed
- Line speed: 1–8 m/min
- Horizontal arrangement: one operating, one standby
- Interleaf paper tension motor
- Optional CCD inspection before rewinding

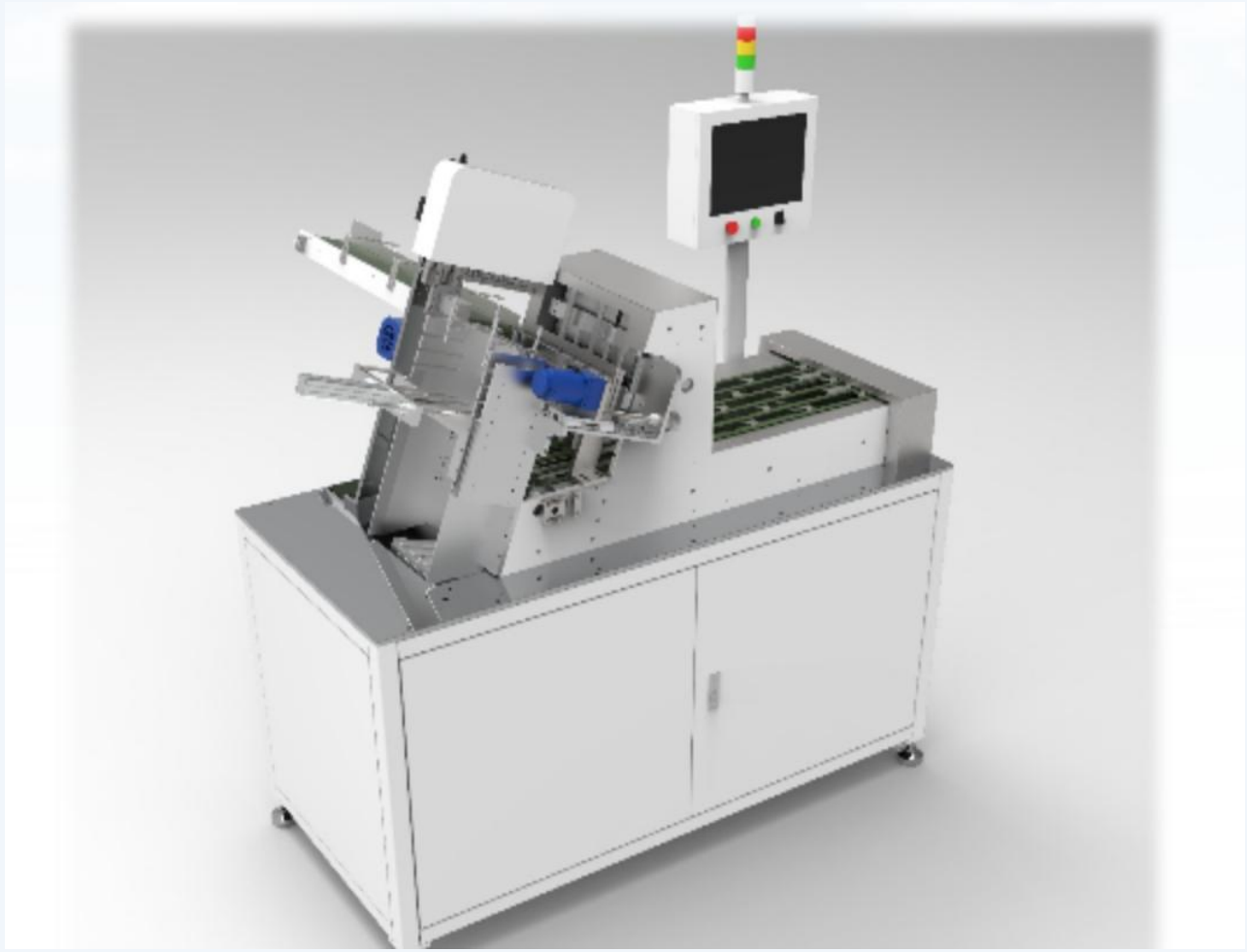
SHEET-TYPE DEPRESSING MACHINE



EQUIPMENT OVERVIEW

- Indentation of sheet-type lead-frame products
- Indentation accuracy: ±0.05 mm
- Pressing force: 5 tons

SHEET STACKING MACHINE



EQUIPMENT OVERVIEW

- Interleaf-paper sheet stacking system
- Stacking speed: 35 sheets/min
- Integrated counting function
- Interleaf paper handling
- Optional geared-motor rewind

DUAL-LANE STACKING MACHINE



EQUIPMENT OVERVIEW

- Dual-channel interleaf-paper stacker
- Stacking speed: 35 sheets/min
- Integrated counting function
- Interleaf paper handling
- Optional geared-motor rewind

TAPE APPLICATION & PUNCHING



EQUIPMENT OVERVIEW

- Insulating tape application for etched products
- Laser punching capability
- Fully automatic operation

INTEGRATED RTDC SYSTEM



EQUIPMENT OVERVIEW

- Combined taping, depressing and cutting
- For IC lead-frame products
- Tape placement accuracy: ±0.15 mm
- Depressing accuracy: ±0.05 mm
- Cutting accuracy: ±0.05 mm
- Optional automatic stacking / collection

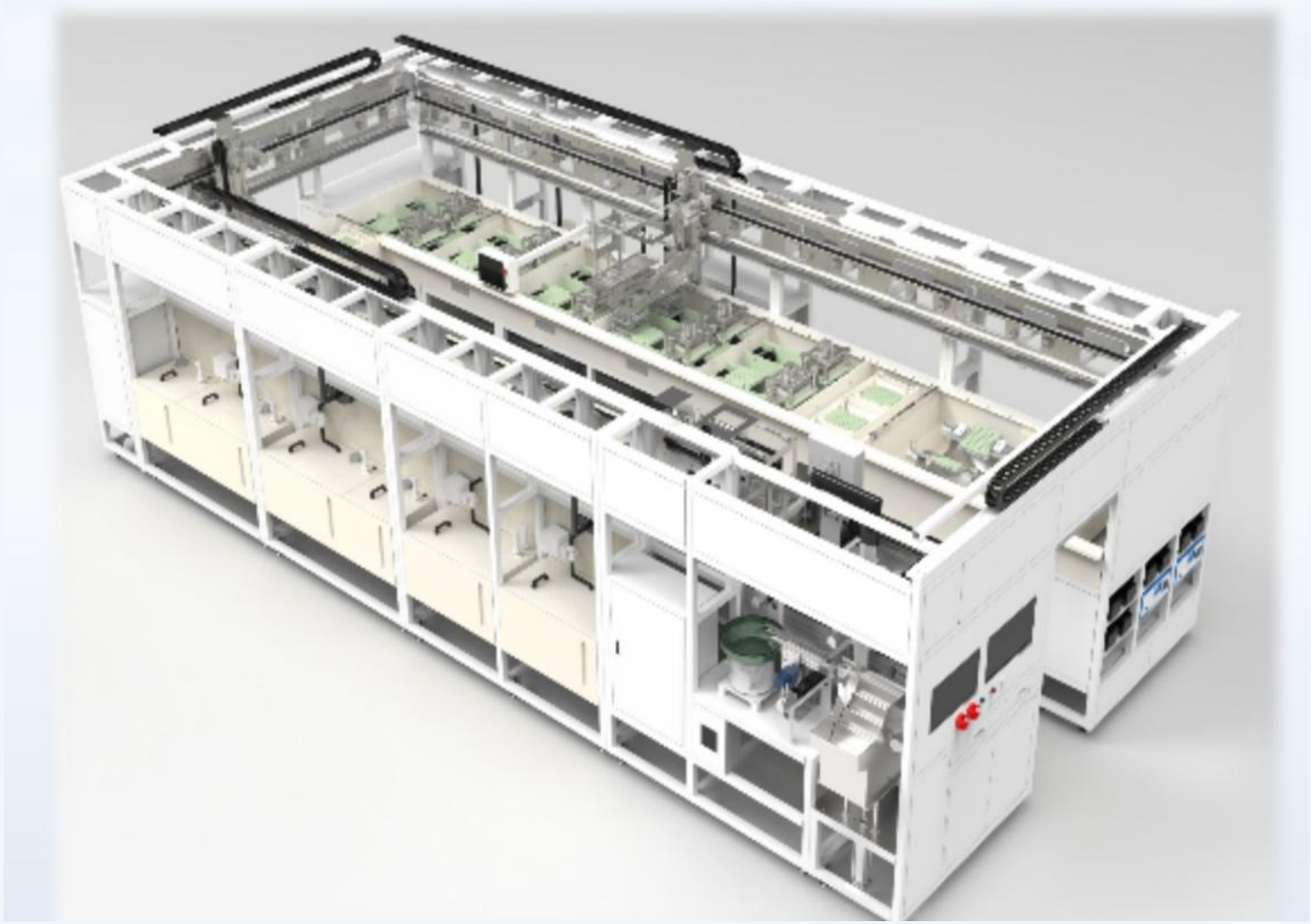
HORIZONTAL UNWINDING & REWINDING



EQUIPMENT OVERVIEW

- Two-level unwind / rewind configuration
- Buffer length: 8–12 m
- Operating speed: 5–15 m/min
- Automatic interleaf paper take-up

SELECTIVE SILVER PLATING MACHINE



EQUIPMENT OVERVIEW

- Two production lines operating in parallel
- Tray-held workpieces
- Process-controlled plating time
- Localized internal-hole silver plating
- Fully automatic operation

Project references



ES-PRO project and customer references







CONTACT US

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Thank you