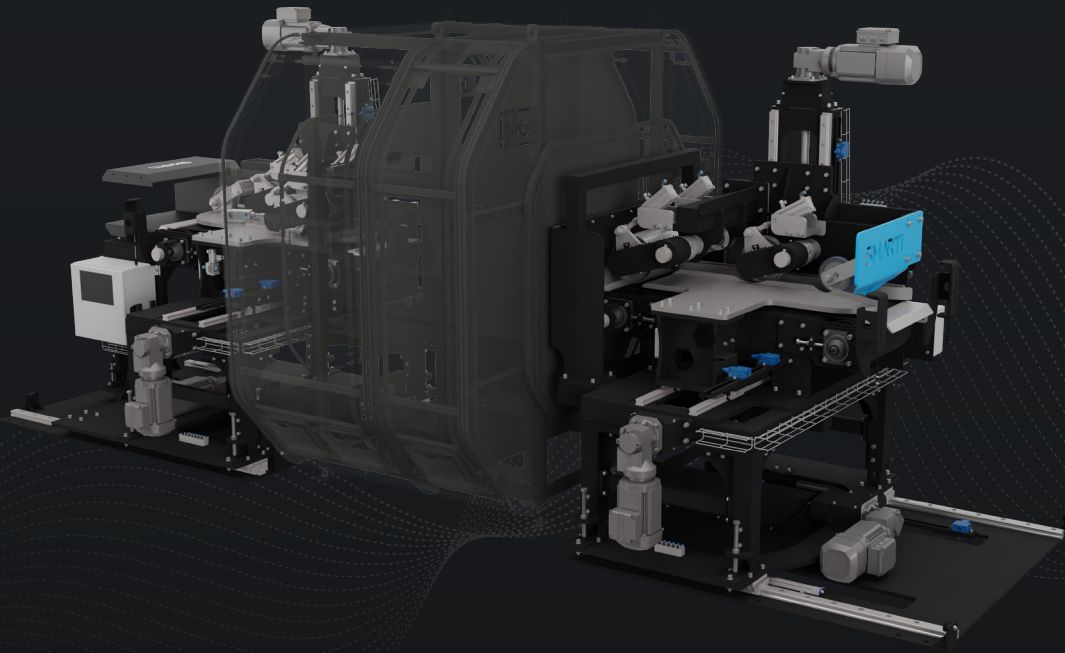


Scanner Machinery

Reliable Mechanization for Scanner Integration

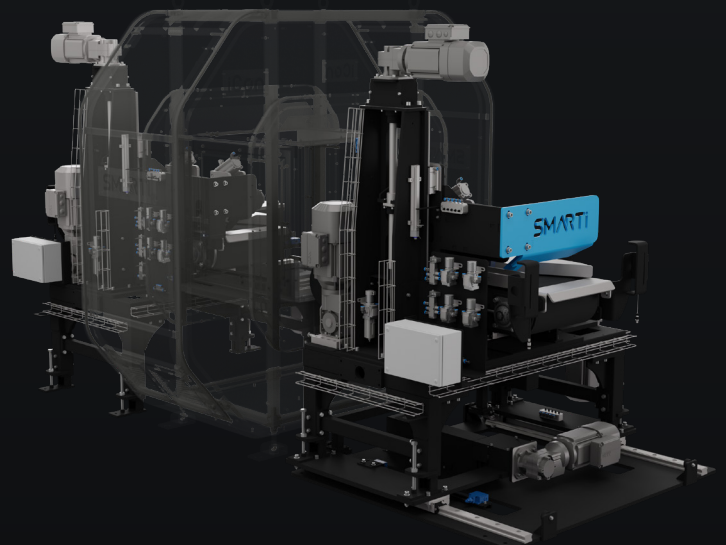
Mechanical solutions to ensure reliable integration of SMARTi scanning systems into new and existing production lines. Purpose-built for high-speed industrial operation, these solutions provide accurate board handling and stable transport, enabling the scanners to perform at their full potential. All mechanization is seamlessly integrated with the scanning systems and fully controlled through SMARTi software. The unified control platform synchronizes board handling with the scanning process, ensuring reliable operation, simplified machine control and maximum scanning performance.



Adapted to the Application

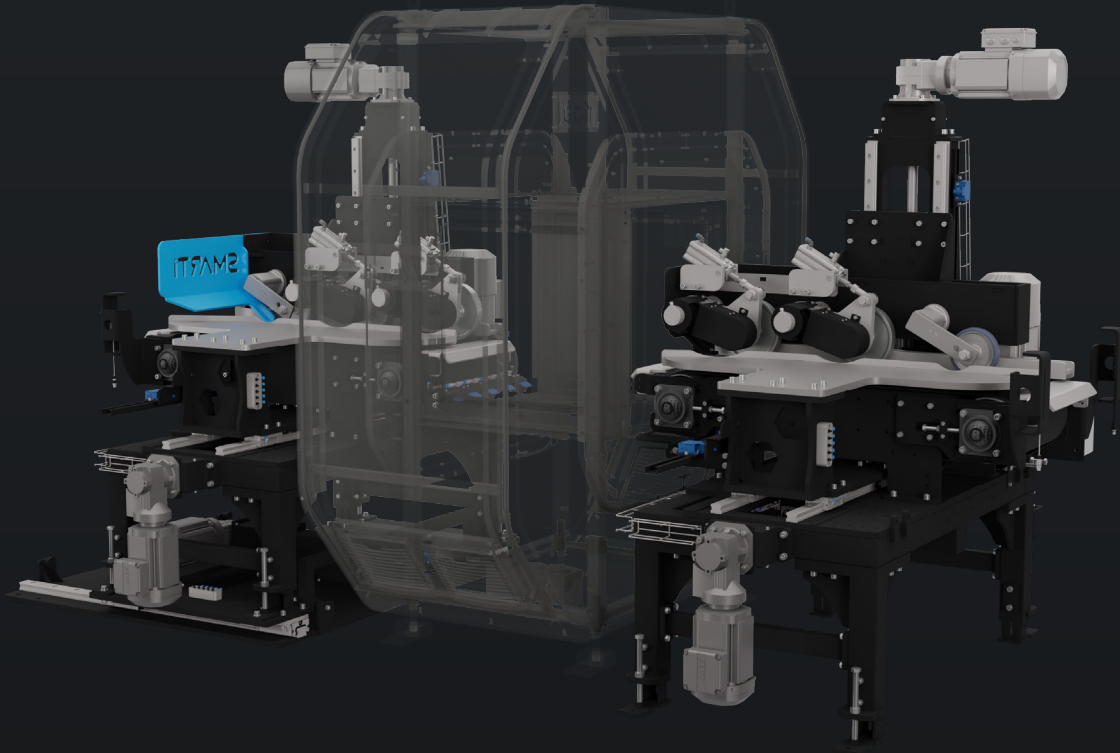
Each mechanical setup is individually adapted to the specific application, production layout and customer requirements.

- » Robust built
- » High speed operations
- » Optimized for scanning performance
- » Controlled via SMARTi scanners



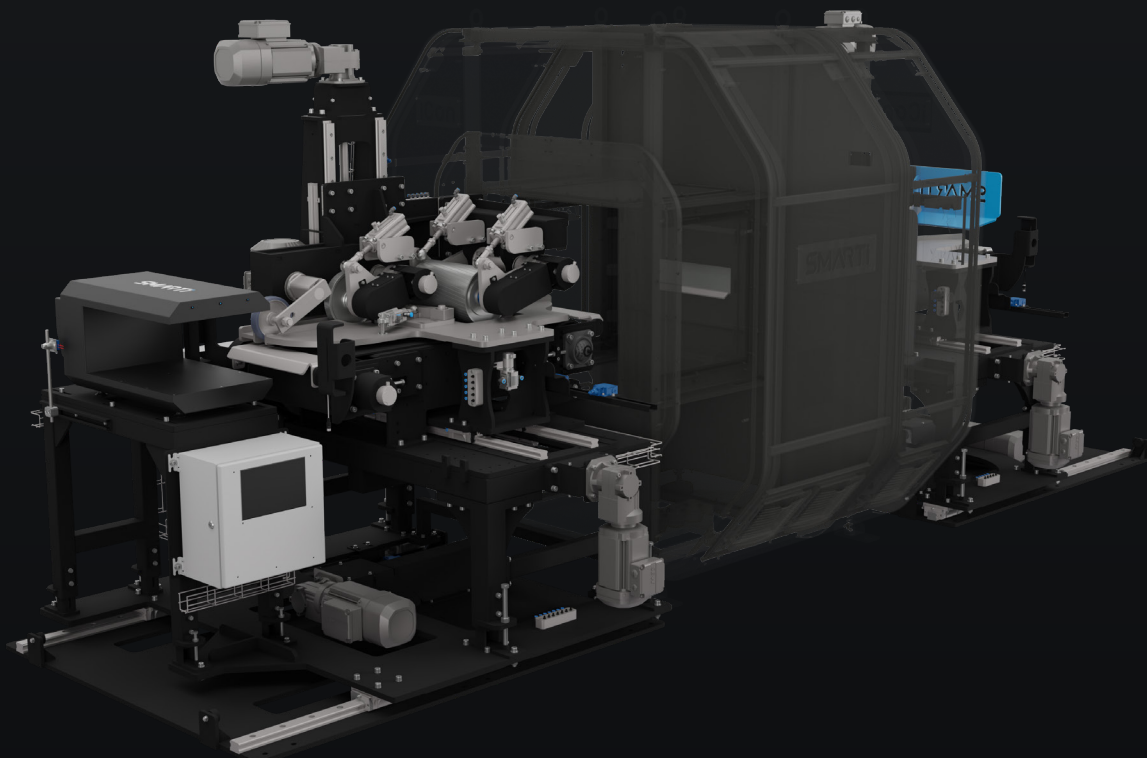
iCon Integration

iCon Feeders are fully automated infeed and outfeed systems designed for reliable, high-speed board transport through SMARTI iCon scanners. Automatic board positioning, precise material handling and integrated scanner glass cleaning ensure maximum scanning performance and easy integration into new or existing production lines.



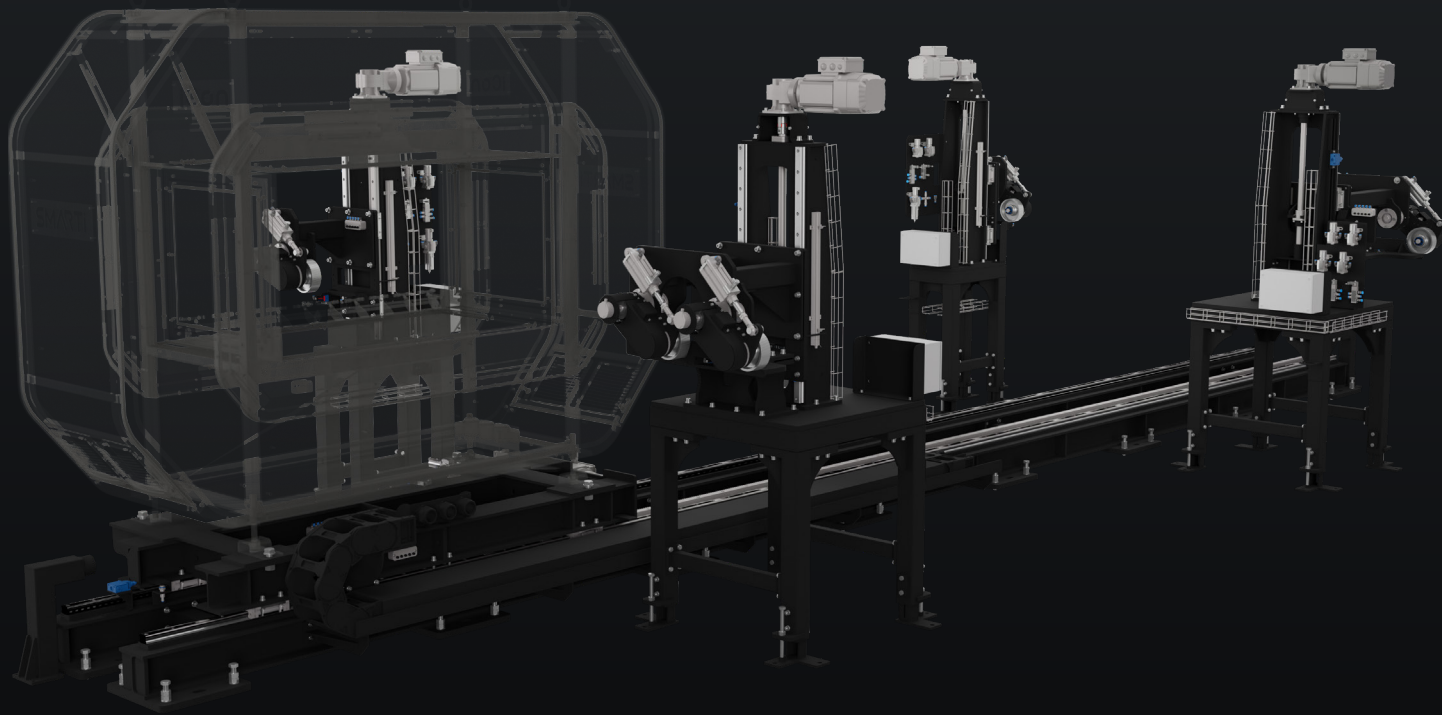
iCon X-Ray Handling

iCon X-Ray Feeders provide precise board transport for SMARTI iCon X-Ray scanners while incorporating all mechanical features required for safe x-ray operation. Automatic board positioning, integrated radiation shielding and full software integration ensure reliable, accurate and efficient production.



Custom Mechanical Solutions

Every production line is different. SMARTI designs and manufactures custom mechanical solutions tailored to specific applications, production layouts and customer requirements. Each solution is engineered to provide reliable material handling, seamless system integration and maximum scanning performance.



Specifications

Use Cases

- » Automatic board feeding
- » New or existing lines
- » Integration with SMARTI scanners

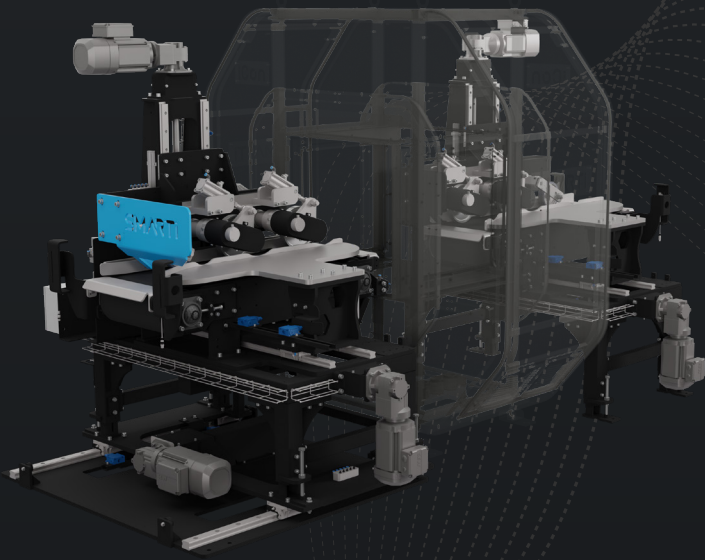
Capabilities

- » High speed transport
- » Heavy duty design
- » Single or multiple board transport
- » Adapted to various board dimensions
- » Fully autonomous operations

Standard Equipment Integrated

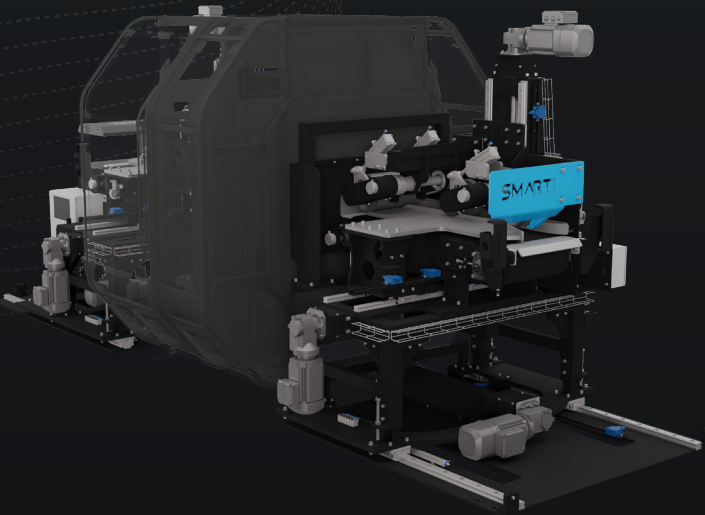
- » Motors: SEW or Lenze
- » Frequency converters: SEW, Lenze or Siemens
- » Pneumatics: Festo
- » Electronics: Siemens, Sick, Schneider, Turck, Balluff
- » PLC: Siemens
- » Bearings: FAG or SKF
- » Other components possible if requested

Models



iCon Feeders

- » Feeding units for iCon scanner
- » High speed capabilities
- » Automatic vertical and horizontal alignment
- » Scanner glass cleaning



iCon X-Ray Feeders

- » Feeding units for iCon X-Ray scanner
- » High speed capabilities
- » Automatic vertical and horizontal alignment
- » Scanner glass cleaning
- » Additional safety x-ray shielding

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