

return conveyor

robust, adaptable and modular conveyor solutions



ERC series return conveyor

ERC 900-1600

ERC 900-1600

- Return conveyor speeds up to 30m / min
- Entry level model for the most basic material needs

ERC 900-2400

ERC 900-2400

- Return conveyor speeds up to 30m / min
- Increased transfer length to allow for longer material accomodation

ERC 1200-1600

ERC 1200-1600

- Return conveyor speeds up to 30m / min
- Increased width of return conveyor to allow for wider material accomodation

ERC 1200-2400

ERC 1200-2400

- Return conveyor speeds up to 30 m / min
- Largest model for the most flexible material handling solution



ERC series return conveyor



The result is labor savings, increased machine efficiency, reduced handling damage and less rejects. Independently adjustable speed control of the receiving table, transfer belts, and return conveyor allow the operator to customize settings for a perfectly balanced system regardless of the panel size.

SCM is pleased to introduce a standard ERC series conveyor to be paired with all edgebander models. The edgebander, coupled with an ERC return conveyor, streamlines workflow and creates an efficient and cost-effective solution to handling panels without the need for an additional operator.



ERC series return conveyor

key features

The ERC return conveyor series consists of the following key features:

- Machine Mate transfer roller section allows for seamless interfacing with SCM edgebanders facilitating smooth transitions from edgebanding to conveying.
- Multiple receiving table lengths and conveyor widths allow for a comprehensive range of panel sizes. Vertically actuated roller sections coupled with a cross transfer belt section quickly evacuates parts from the edgebander and returns them to the operator.
- Return conveyor lengths are tailored to the SCM edgebander model. 900 mm and 1200 mm conveyor widths ensure a variety of panel sizes can be processed.
- Intuitive touch screen controls allow for independent speed adjustment of the outfeed, transfer belts and return conveyor sections.
- Polymer coated steel rollers provide strength and stability while maintaining a non-marking surface for panel contact.
- Fabricated steel frame with bolt down feet ensures a stable base for conveyance. Adjustable leg sets allow for flexibility when leveling conveyor.

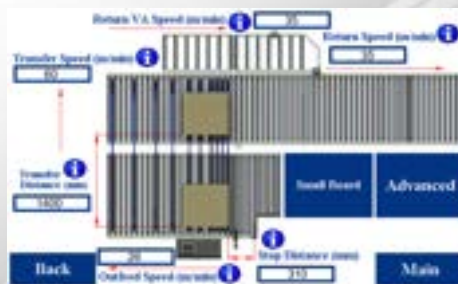


A unique, user-friendly and interactive conveyor control system includes a 7" operator panel with PLC on board for conveyor sequencing and allows for the following system functionality:

- Start/stop of the ERC series conveyor
- Monitor/diagnose faults within the conveyor system
- Reset system faults as they occur
- Independently adjust speed of the outfeed conveyor, transfer belts and return conveyor
- Adjust system timers to suit application needs. i.e. panel kick, transfer time
- Manual control system i.e. raise and lower conveyors, actuate panel kicker, etc.
- Diagnostic screen available for troubleshooting system
- Resettable edgebender "part pass" counter for production inquiries



MAIN SCREEN



SPEED ADJUSTMENT SCREEN



MANUAL CONTROL SCREEN

Dedicated electrical control panel consists of PLC, fusing, variable frequency drives, overloads, etc. to maximize system control.

- Voltage options: 480/3/60/8A or 200-240/3/60/15A
- Compressed air requirement: 10cfm @ 80PSI

ERC series return conveyor

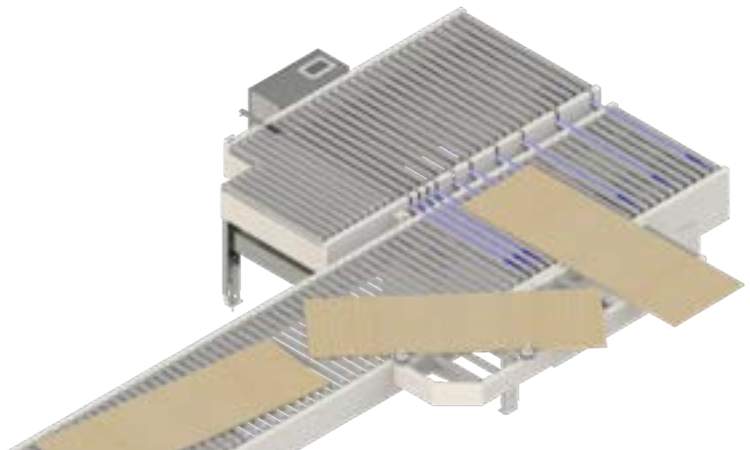
options

panel kicker



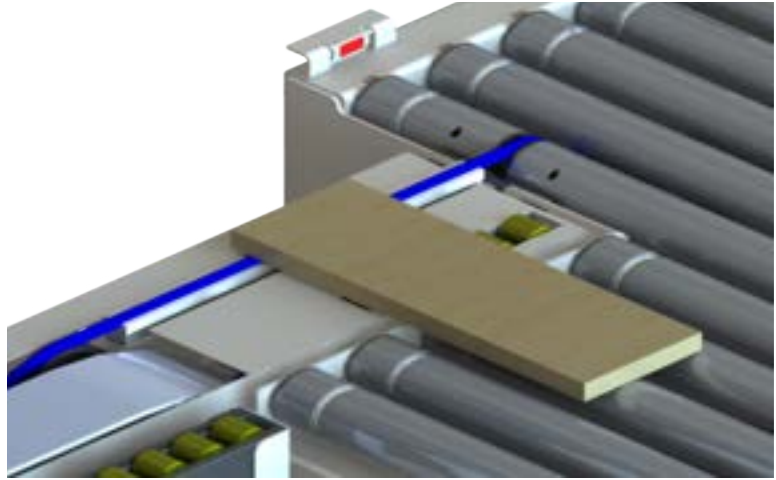
- Angles narrower panels, ensuring transfer belts engage the workpiece
- Conveyor control system enables panel kicker operating parameters to be adjusted based on process needs
- Sensor measures panel widths in real time, ensuring only those under the set value are kicked
- Reduces minimum panel size to 4" x 12" on all models, feeding all 4 sides

panel rotator



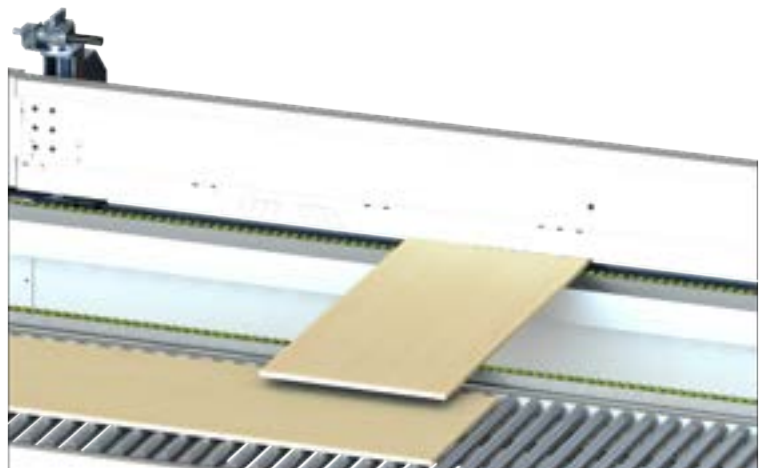
- Allows conveyor to accommodate longer panel lengths
- Rotates panels to the next edge for banding, eliminating the need for manually rotating large panels
- Increases maximum panel size to 32" x 72" feeding all 4 sides on all 900 series conveyors
- Increases maximum panel size to 44" x 96" feeding all 4 sides on all 1200 series conveyors

panel exit assist



- Eliminates risk of a deadzone developing at the outfeed of the edgebander for especially small panels
- Increased reliability and repeatability of transfer from the edgebander to conveyor by positively engaging panels with a driven belt

panel support rollers

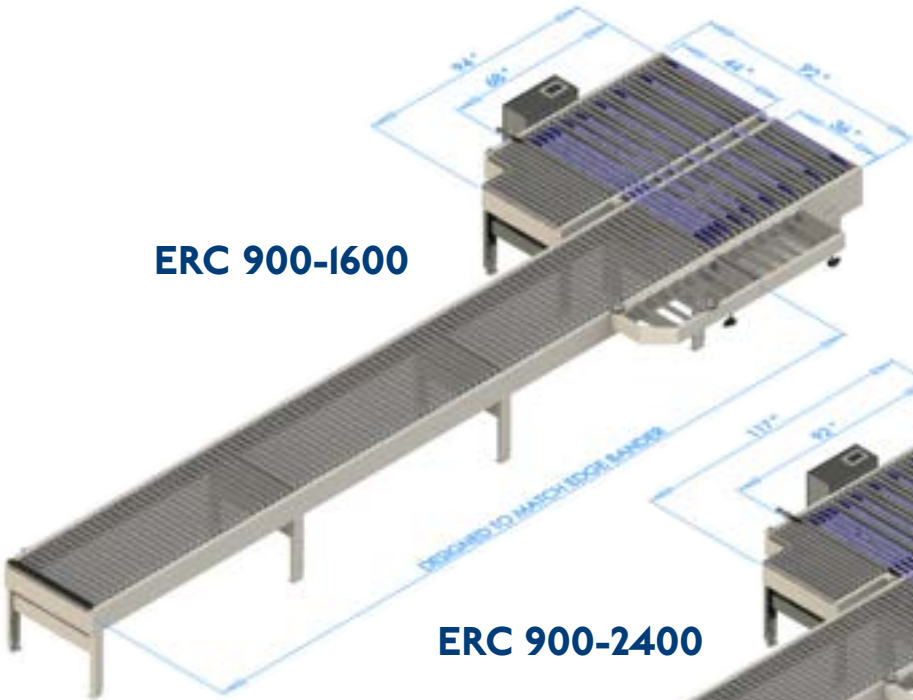


- Ideal for long, thin panels that have a tendency to deflect
- Support rollers allow returning panels to pass under panels being banded, when included with the panel rotator
- Limits the need for operator assistance when processing long, flimsy panels.

ERC series return conveyor

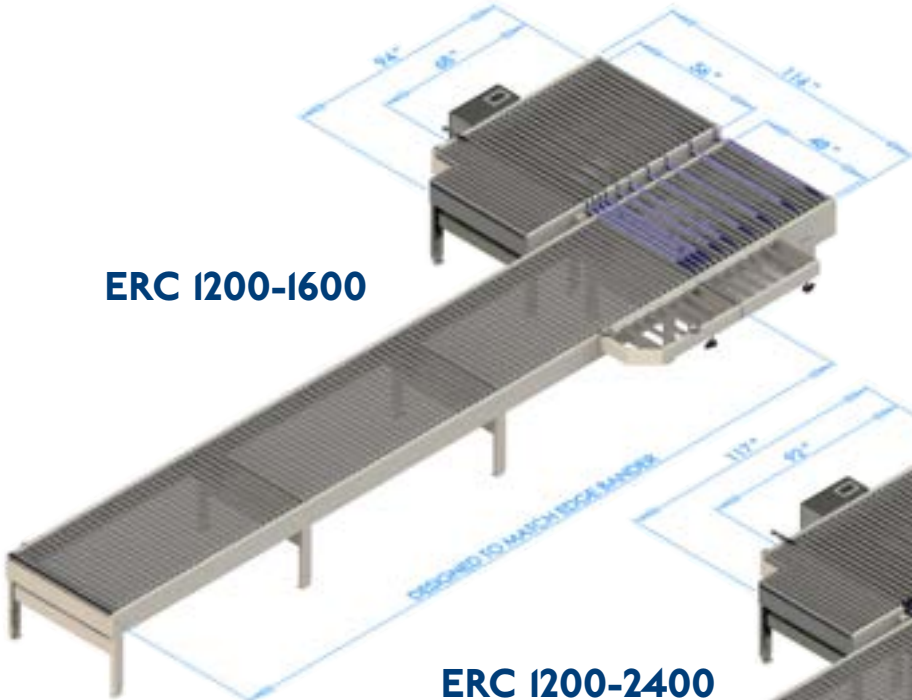
options

STANDARD RETURN CONVEYOR SOLUTIONS					
Model	ROLLER WIDTH (MM)		RECEIVING TABLE LENGTH (MM)		PART NUMBER
	900	1200	1600	2400	ERC
KD	☐	☐	☐	☐	900-1600-KD
	☐	☐	☐	☐	1200-1600-KD
	☐	☐	☐	☐	900-2400-KD
	☐	☐	☐	☐	1200-2400-KD
MD	☐	☐	☐	☐	900-1600-MD
	☐	☐	☐	☐	1200-1600-MD
	☐	☐	☐	☐	900-2400-MD
	☐	☐	☐	☐	1200-2400-MD
HD	☐	☐	☐	☐	900-1600-HD
	☐	☐	☐	☐	1200-1600-HD
	☐	☐	☐	☐	900-2400-HD
	☐	☐	☐	☐	1200-2400-HD
XD	☐	☐	☐	☐	900-1600-XD
	☐	☐	☐	☐	1200-1600-XD
	☐	☐	☐	☐	900-2400-XD
	☐	☐	☐	☐	1200-2400-XD
AVAILABLE OPTIONS					
Panel Kicker	☐	☐	☐	☐	PK
Panel Rotator	☐	☐	☐	☐	PR
Panel Exit Assist	☐	☐	☐	☐	PEA
Panel Support Rollers	☐	☐	☐	☐	PSR



ERC 900-1600

ERC 900-2400

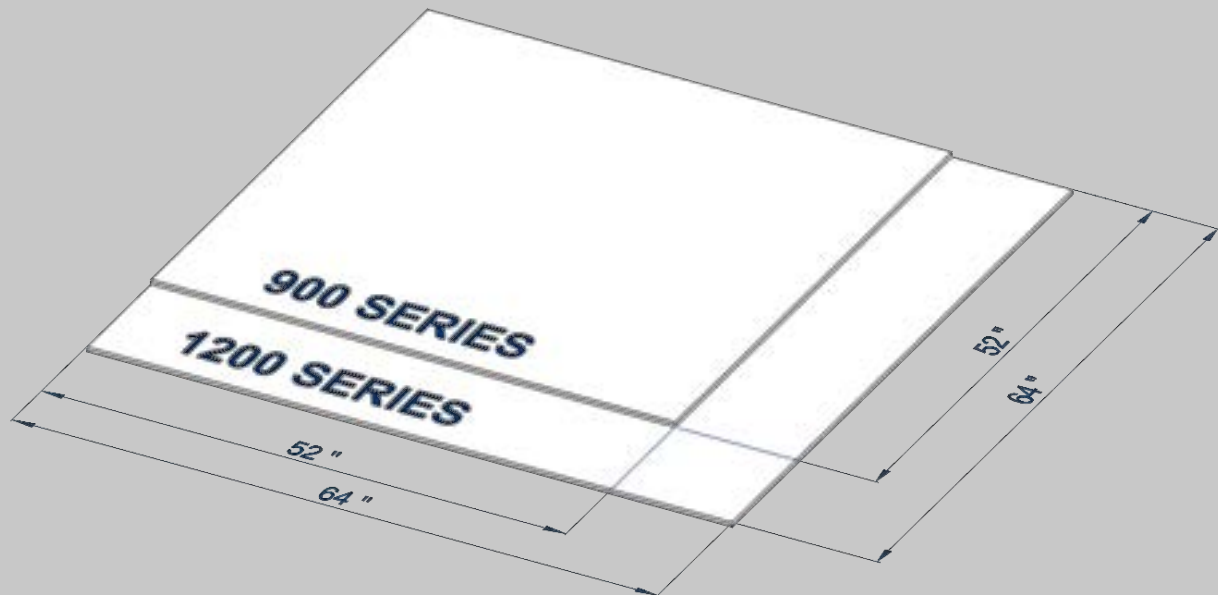


ERC 1200-1600

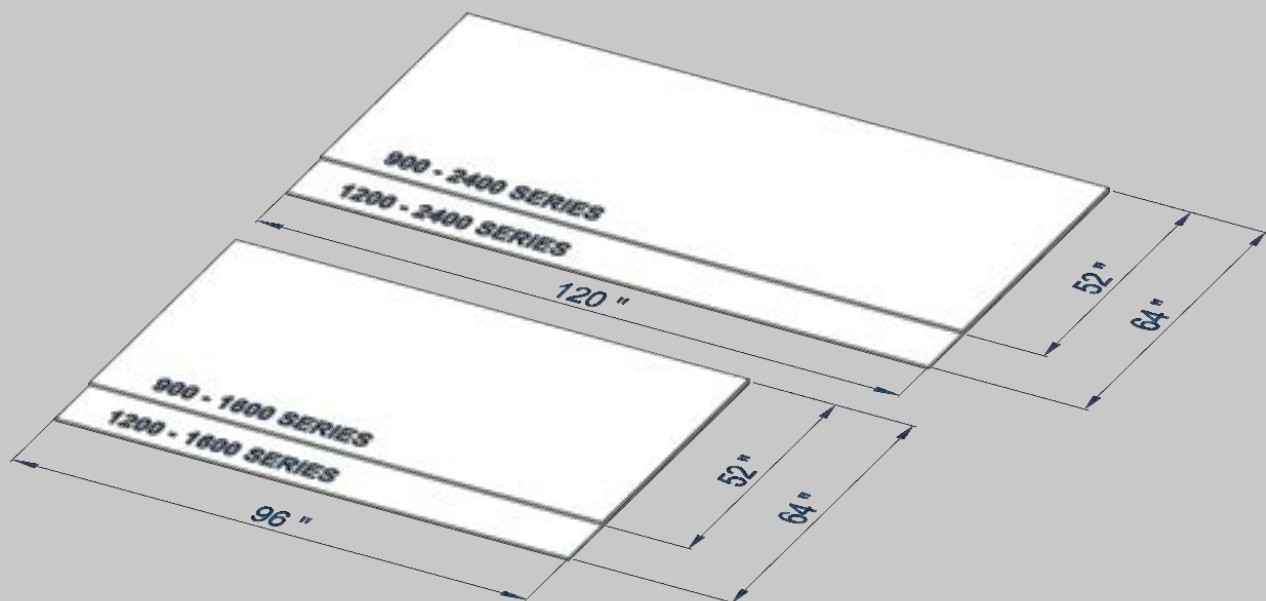
ERC 1200-2400

ERC series return conveyor

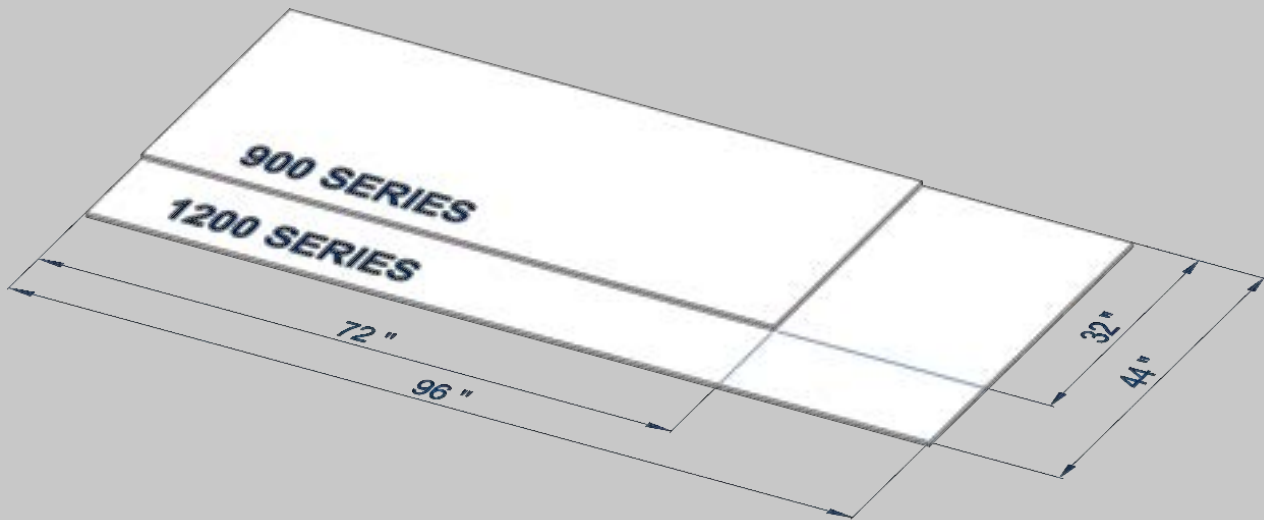
transfer capacity



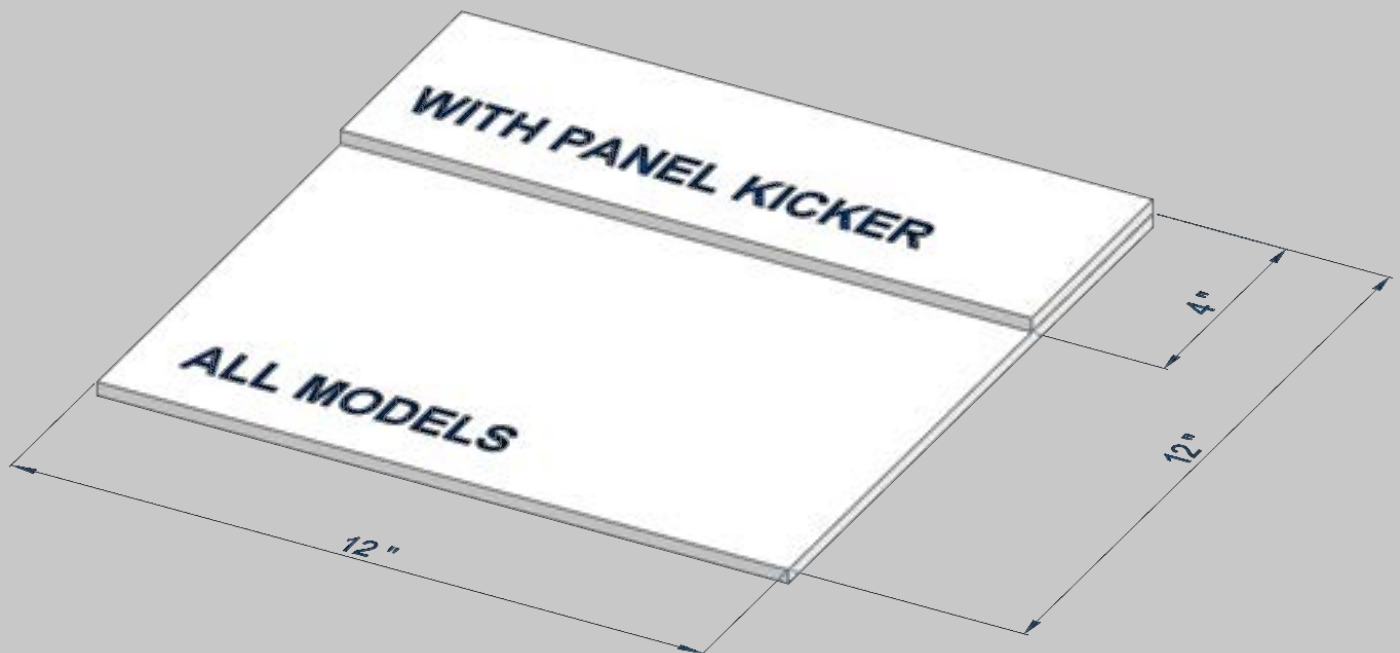
Maximum panel sizes feeding all 4 sides



Maximum panel sizes feeding longest side only



Maximum panel sizes feeding all 4 sides using the panel rotator



Minimum panel sizes feeding all 4 sides using the panel rotator

THE STRONGEST WOOD ARE IN OUR DNA

SCM. A HERITAGE OF SKILLS IN A UNIQUE BRAND

Over 65 years of success gives SCM the centre stage in woodworking technology. This heritage results from bringing together the best know-how in machining and systems for wood-based manufacturing. SCM is present all over the world, brought to you by the widest distribution network in the industry.

65 years history

3 main production sites in Italy

300.000 square metres of production space

17.000 machines manufactured per year

90% export

20 foreign branches

350 agents and dealers

500 support technicians

500 registered patents

In SCM's DNA also strength and solidity of a great Group. The SCM Group is a world leader, manufacturing industrial machinery and systems for the processing of wood and other materials.

SCM GROUP, A HIGHLY SKILLED TEAM EXPERT IN INDUSTRIAL MACHINERY

INDUSTRIAL MACHINERY

Stand-alone machines, integrated systems and services
dedicated to processing a wide range of materials.



WOODWORKING TECHNOLOGIES



TECHNOLOGIES FOR PROCESSING
COMPOSITE MATERIALS, ALUMINIUM,
PLASTIC, GLASS, STONE, METAL

D TECHNOLOGIES



ial equipment and components for machining the widest range of materials.

L MACHINES AND COMPONENTS

INDUSTRIAL COMPONENTS

Technological components for the Group's machines and systems,
for those of third-parties and the machinery industry.

HITECO

SPINDLES AND TECHNOLOGICAL
COMPONENTS

Les

ELECTRIC PANELS

steelmec

METALWORK

scmfonderie

CAST IRON



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