



Tissue Converting Solutions

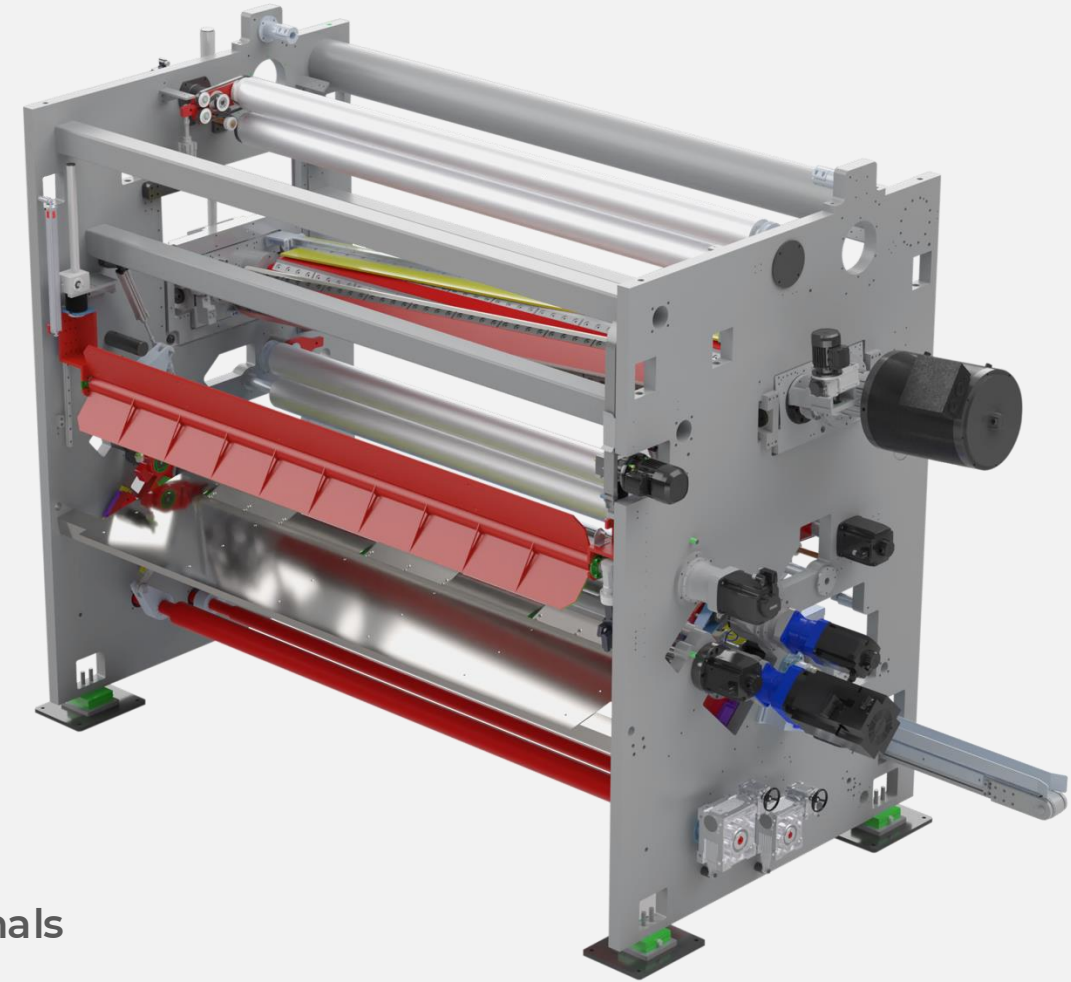
SMART REWINDER and EMBOSSE



SMART REWINDER

MAIN FEATURES

WORKING SPEED	Up to 500 m/min or 600m/min
ROLLS WIDTH	2900 mm
MAX PAPER WIDTH	2850 mm (2750 – 3650mm)
MAX CYCLES RATE CONSUMER	40 logs/min
LOGS DIAMETER RANGE	90-200 mm
GLUE CORE APPLICATION SYSTEM	On fly
CORE DIAMETER RANGE	38-55 mm
PERFORATION ROLL	6 blades
PERFORATION LENGTH RANGE 6 BLADES	90-180 mm
PNEUMATIC PLATFORM	Festo
ELECTRONIC PLATFORM	Siemens
POWER CONSUMPTION AT 600 m/min	15 kW



Core Glue application by blade or by roll

Motorised draw rolls

Brush Spreader roll

Ply bonding optionals

Genium Transfer system



SMART REWINDER

Perforation system



The screenshot displays the control interface for the SMART REWINDER Perforation system. The central part of the screen shows a 3D model of the machine's rollers and components. Surrounding this model are several control panels and status indicators. Callouts with red lines point to specific features:

- Upper Draw Rolls Open/Close**: Points to a control panel with two green arrows pointing up and down.
- Logs discharge device Up/Down**: Points to a control panel with two blue arrows pointing up and down.
- Tail Sealer Status**: Points to a control panel with a red warning triangle and two green arrows pointing up and down.
- Playbonding Open/Close**: Points to a control panel with two green arrows pointing up and down.
- Lower Draw Rolls Open/Close**: Points to a control panel with two green arrows pointing up and down.
- Synchronization**: Points to a control panel with a green circular arrow icon and a 'Clear Out' button.

Other visible elements include a top status bar with 'SET', '0 m/min', and '10/07/2024 10:21:12'. A right-hand sidebar contains various status indicators, including 'Theo 0.00 mm' and 'Product Perc.'. A bottom navigation bar includes icons for Home, Settings, and a red warning triangle.

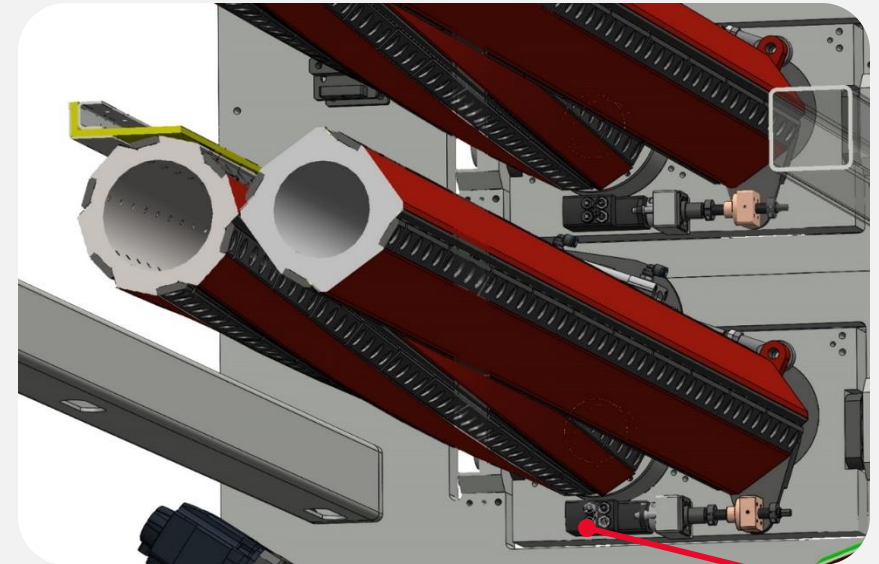


SMART REWINDER

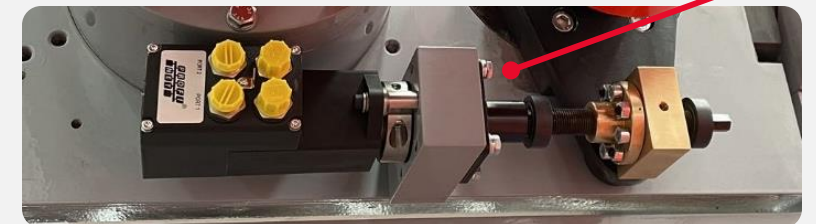
Double Perforation System

MAIN FEATURES

PERFORATION ROLL	6 blades
N° 1 FIXED PERFORATION ROLLS	4 blades each with axial movement
PERFORATION LENGTH RANGE	90 - 180 mm with 6 blades
	180 - 360 mm with 3 blades
	270 - 540 mm with 2 blades
PERFORATION LENGTH CHANGEOVER	From HMI
POWER CONSUMPTION AT 600 m/min	15 kW
PNEUMATIC PLATFORM	Festo
ELECTRONIC PLATFORM	Siemens



BLADES GAP ADJUSTABLE BY TOUCH PANEL



SMART REWINDER

Web Tensioning



The screenshot displays the 'SMART REWINDER' web interface for 'Web Tensioning'. The central area shows a 3D CAD model of the machine with various rollers highlighted in red, blue, and yellow. Surrounding the model are several data panels. At the top center, a 'MASTER' panel shows '0.00 M/min AV'. On the left and right sides, there are four panels for 'Upper Draw Rolls', each with a 'Writing Area' (0.00), 'Real Value in PLC' (0.00 %), and 'Actual Speed' (0.00 M/min AV). At the bottom right, a 'Load Cell' panel shows '0.00 Kg AV'. The interface includes a top status bar with 'SET', '0 m/min', '10/07/2024 10:38:13', and 'Log/min'. A bottom navigation bar contains icons for home, settings, and other functions. Callouts from the left and right point to specific data fields and machine components.

Upper Draw Rolls

Writing Area

Real Value in PLC

Actual Speed

Upper Draw Rolls

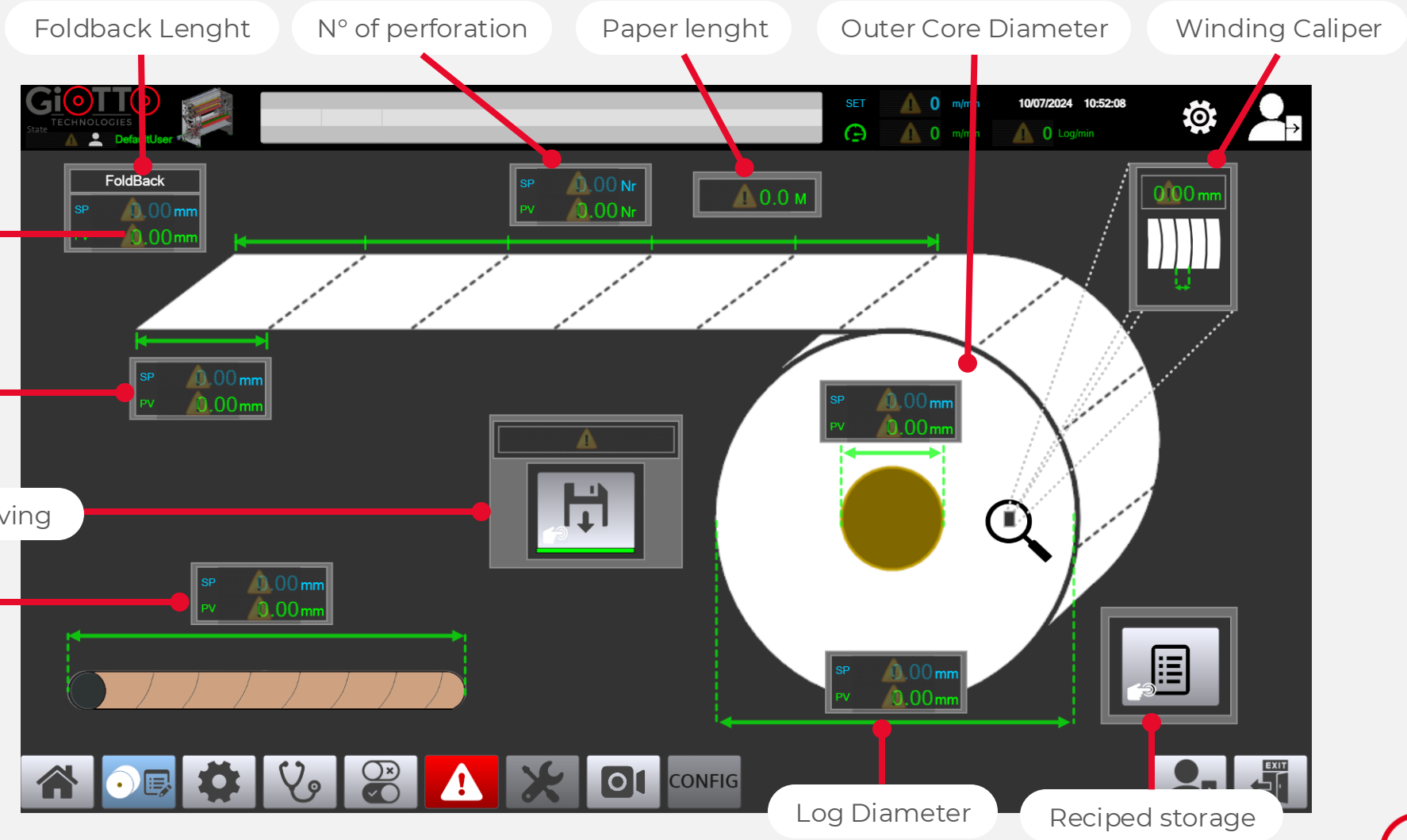
Upper Draw Rolls

R.A:S. Master



SMART REWINDER

Product Data



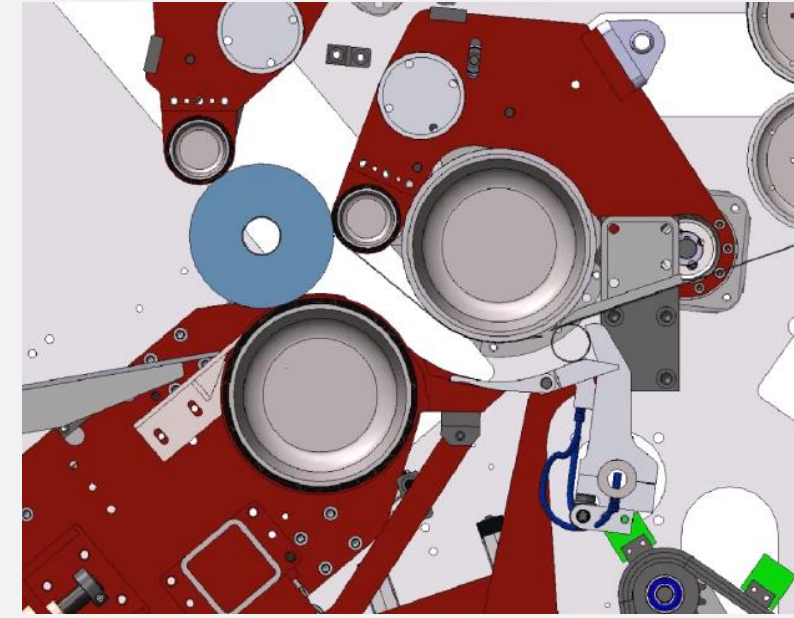
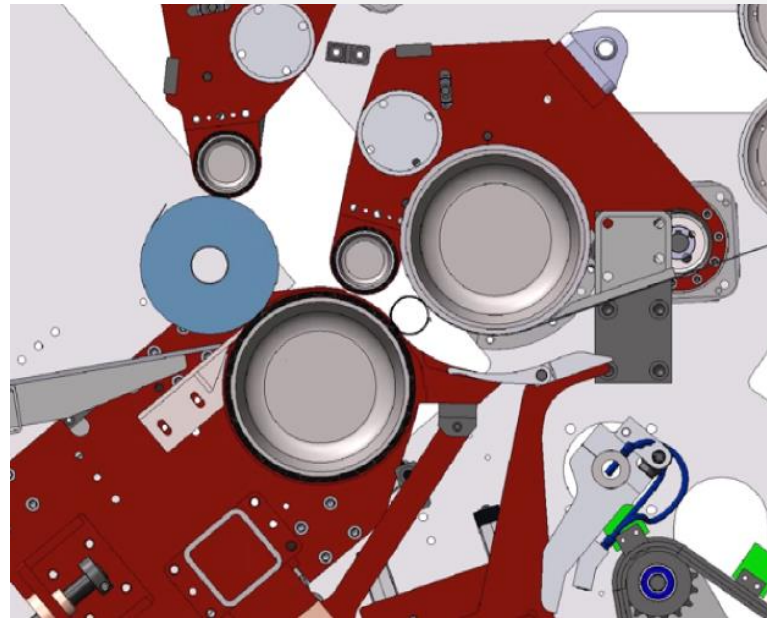
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Transfer Sequence

Transfer Sequence between three rolls = safer transfer

Constant winding density all along the process

Smooth movement of rider rolls



SMART REWINDER

High Quality

High Quality samples

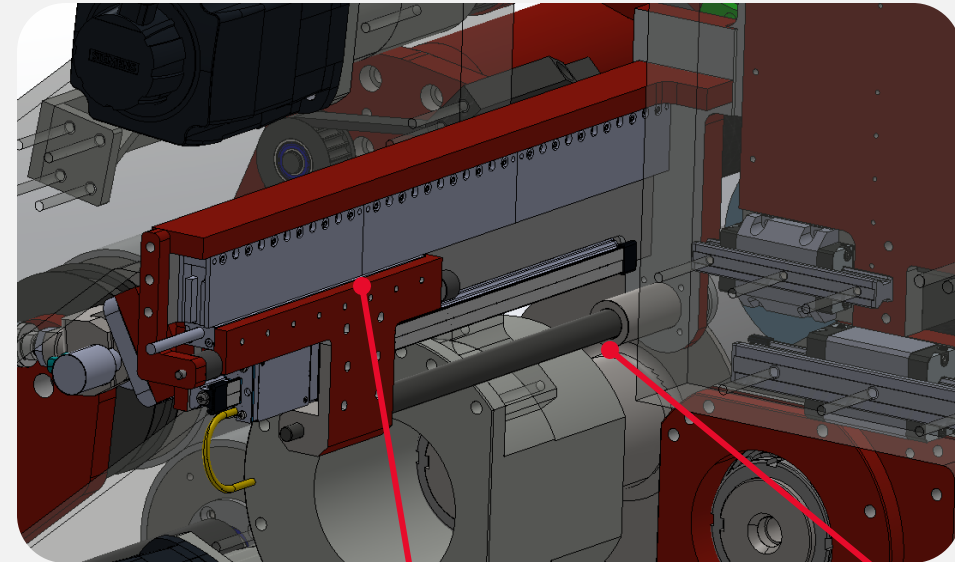
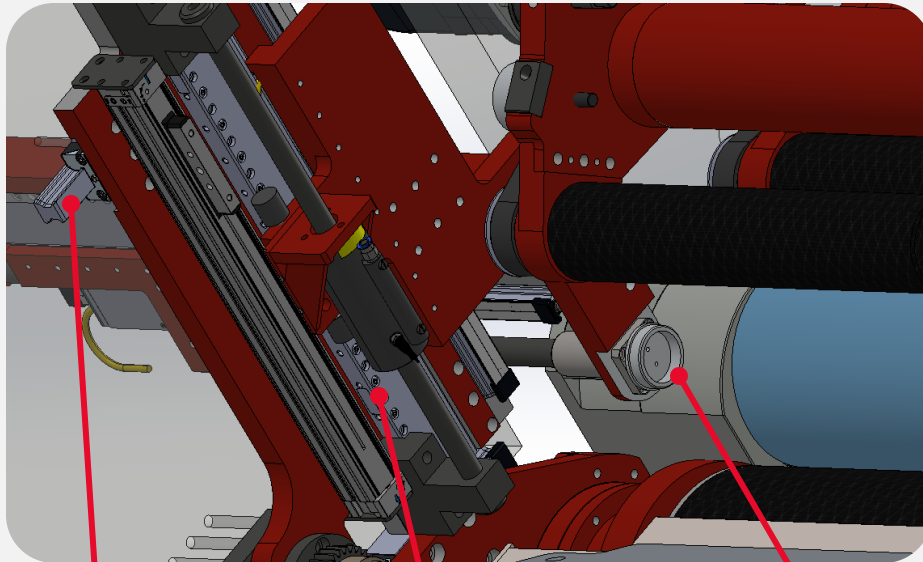
Short pick-up fold



SMART REWINDER

Punzoncini = High Quality rewinding

Working range adjustable from HMI



ROTATION FREE ADAPTERS

ADAPTER SHAFT

UP AND DOWN GUIDES

ENGAGING AND DESINGAGING BY MEANS OF LINEAR MOTOR FOR FAST AND PRECISE CLOSING OPENING

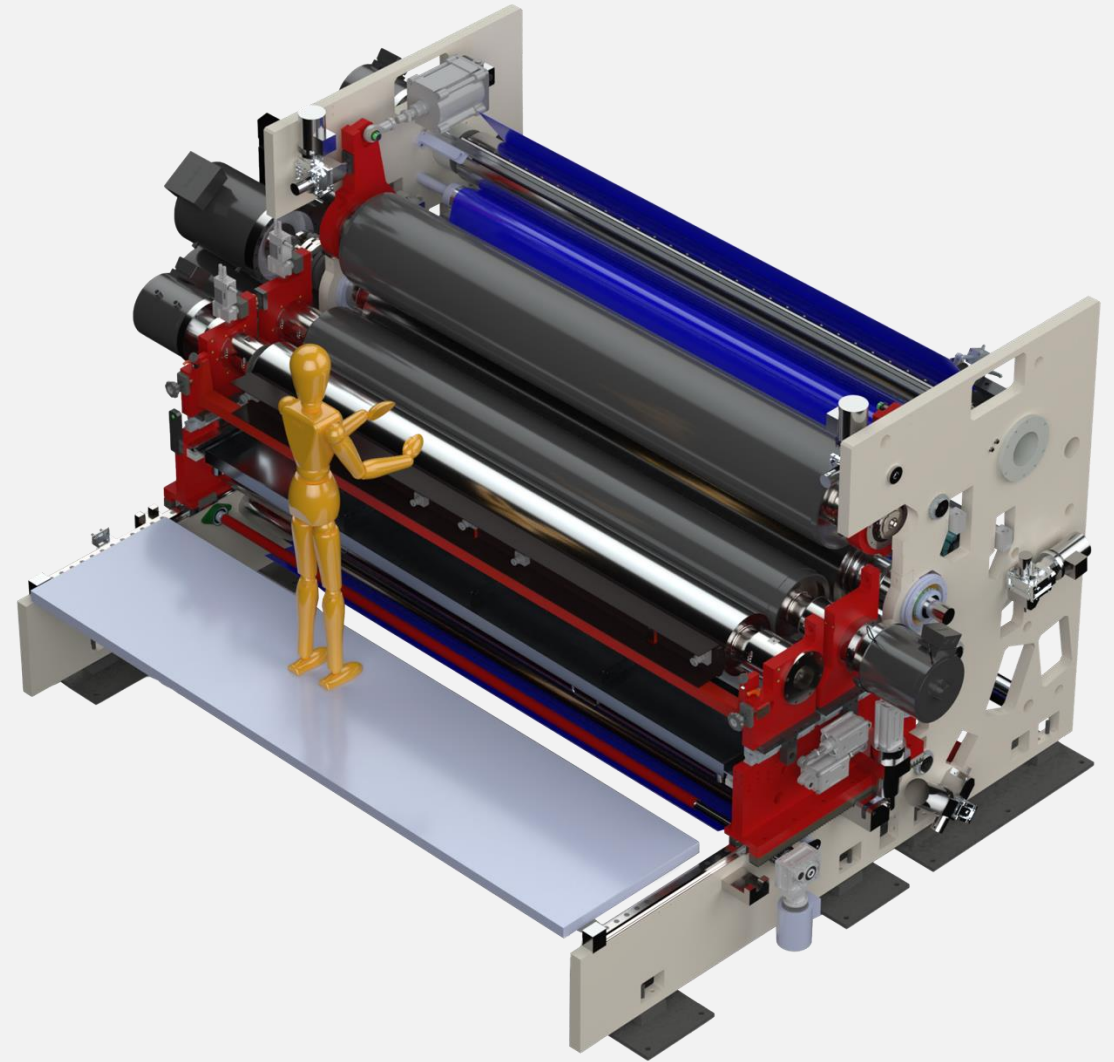
LEFT AND RIGHT GUIDES



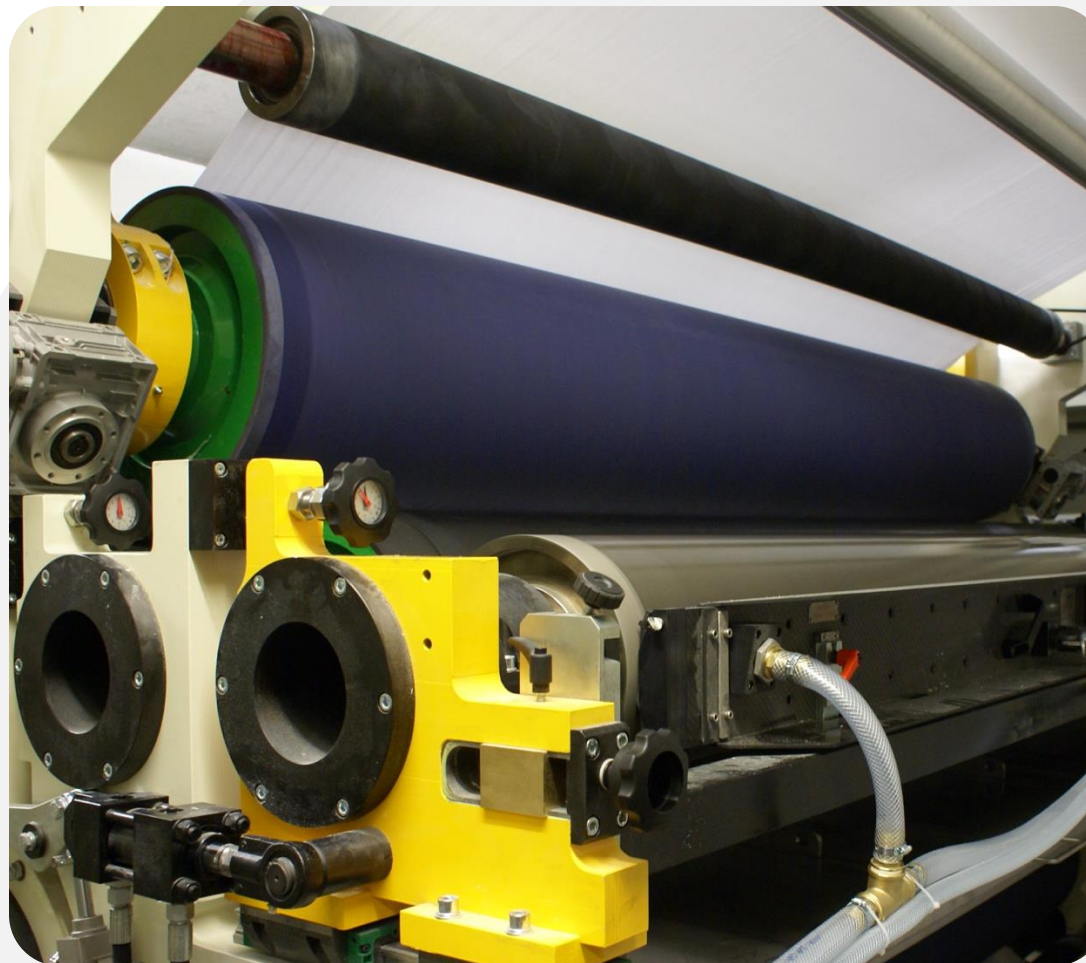
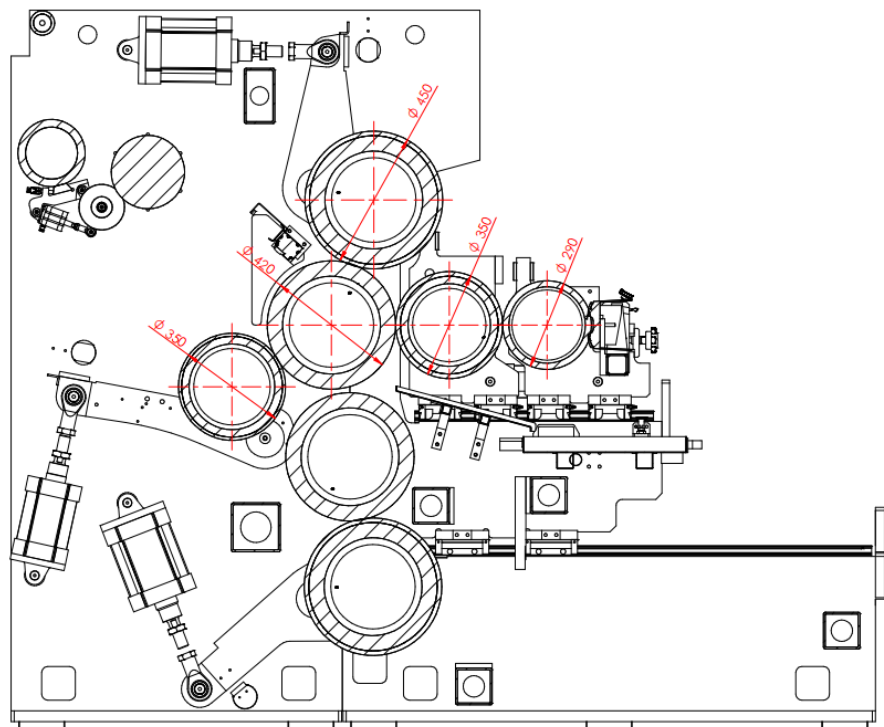
SMART EMBOSSE

MAIN FEATURES

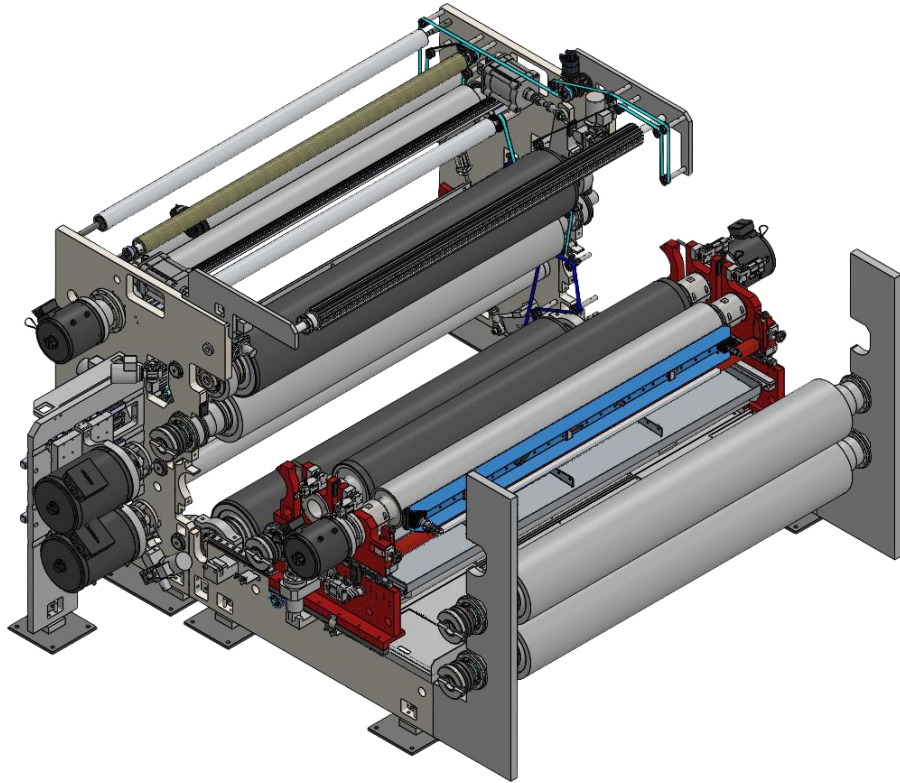
WORKING SPEED	Up to 500 m/min or 600 m/min
STEEL ROLLS DIAMETER	350 mm or 420 mm
EMBOSSING ROLLS DIAMETER	380 mm or 450 mm
MARRYNG ROLL DIAMETER	320 mm or 350 mm
CLICHÉ ROLL DIAMETER	320 mm or 350 mm
ANILOX ROLL DIAMETER	260 mm or 290 mm
PLYBONDING	Optional



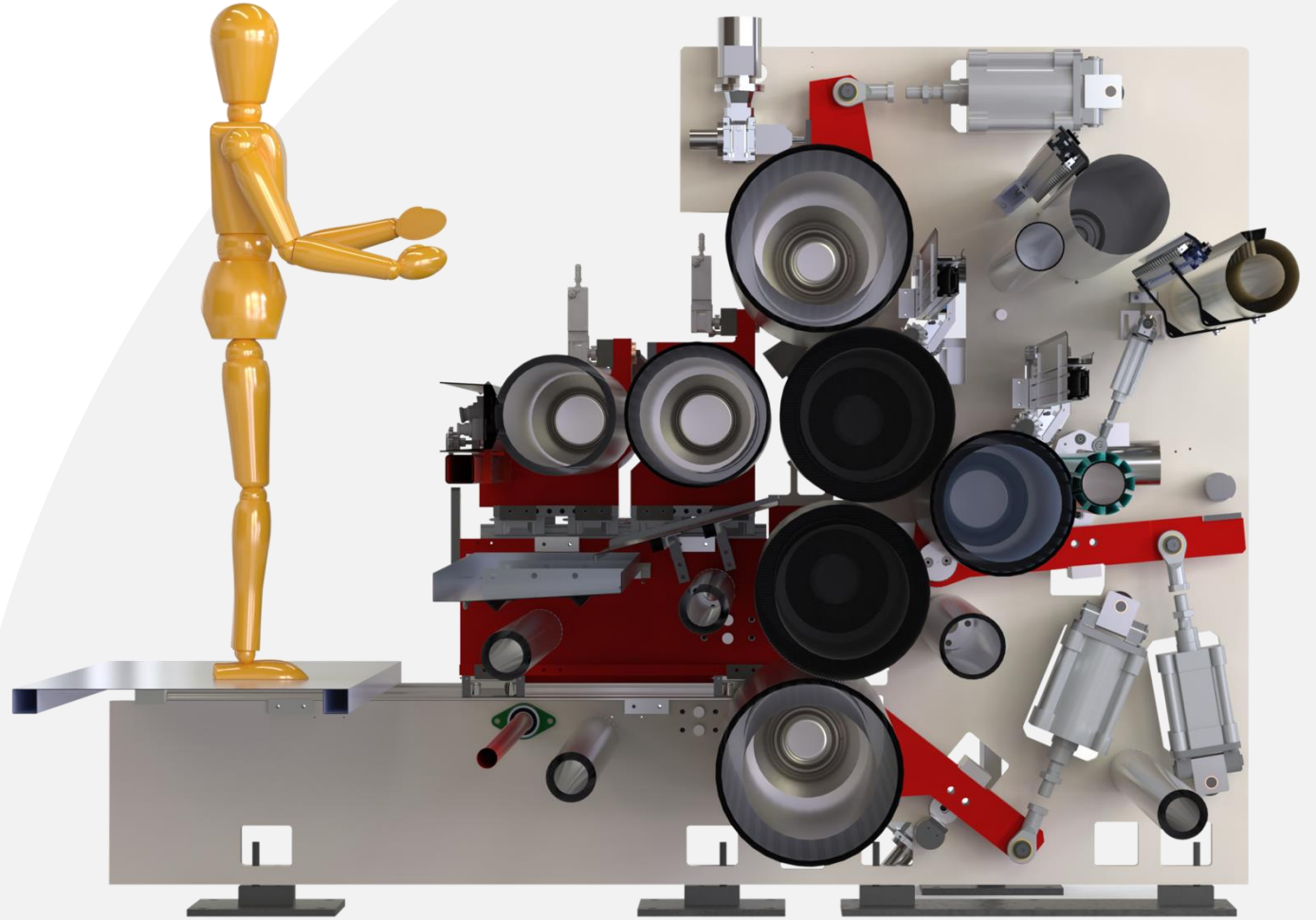
SMART **EMBOSSER**



SMART **EMBOSSER**



Automatic change of steel rolls with stand-by rolls accumulator



SMART **EMBOSSER**

Torque Motors

Connection coupling Torque Motor – roll with automatic phasing

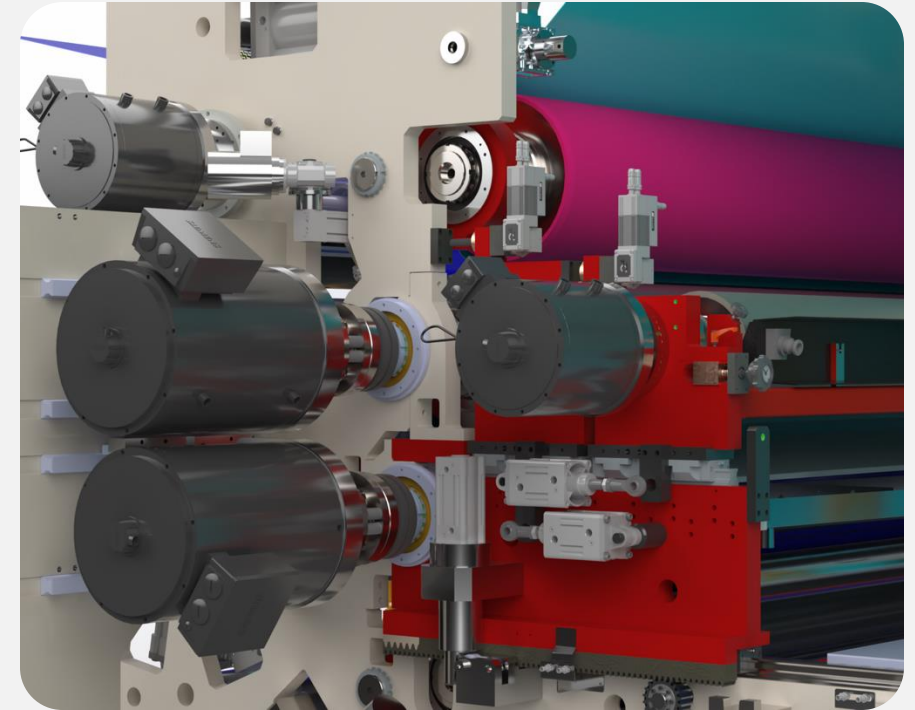
- Steel rolls remain timed even after a changeover

Steel rolls driven by Torque Motor. Automatic roll engage for quick roll change

- Steel more precise control and Higher efficiency = ENERGY SAVING

Torque Motor on sliding plate for engaging and disengaging with steel rolls

- Quick Steel rolls changeover



SMART EMBOSSE

Nip Control

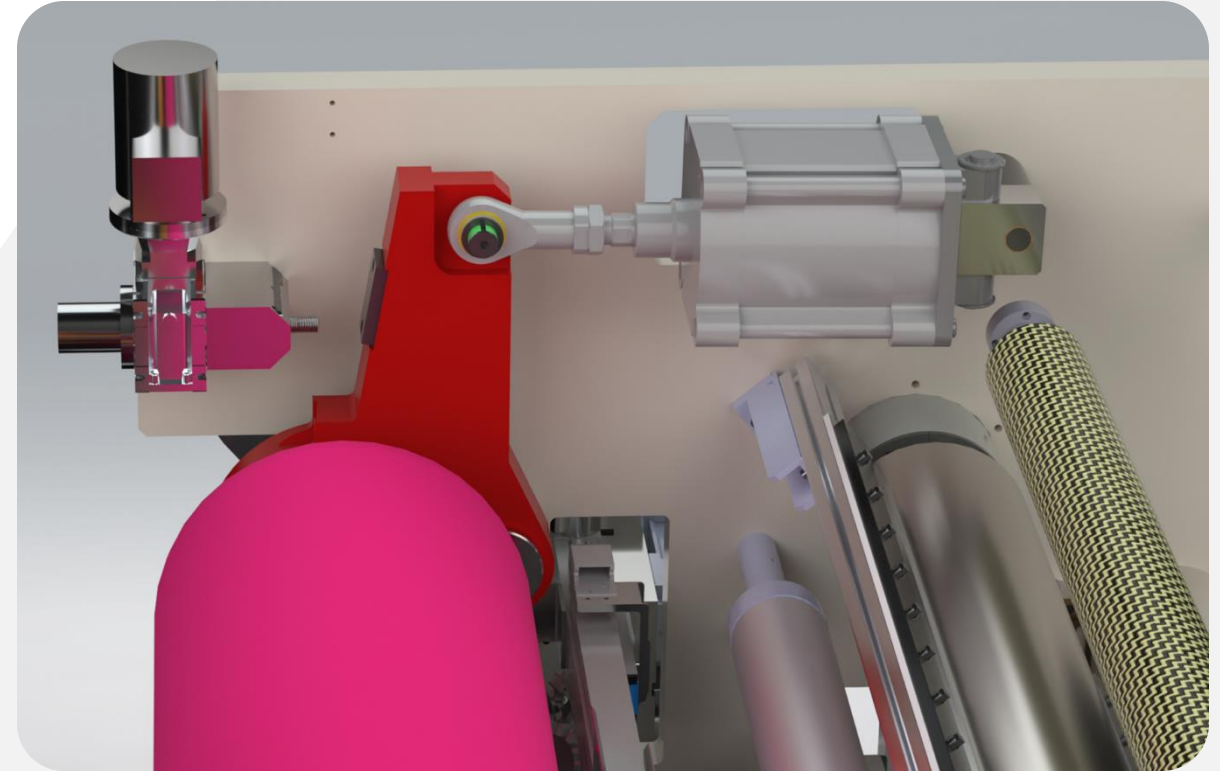
Rubber roll opening/closing by means of pneumatic cylinders

Nip adjustment by HMI

Nip position can be saved in product recipe

TOTAL CONTROL OF EMBOSSING FROM HMI

Adjustments can be done while the machine is running



SMART EMBOSSE

Lamination Unit

Clichè and Anilox roll opening/closing by means of pneumatic cylinders

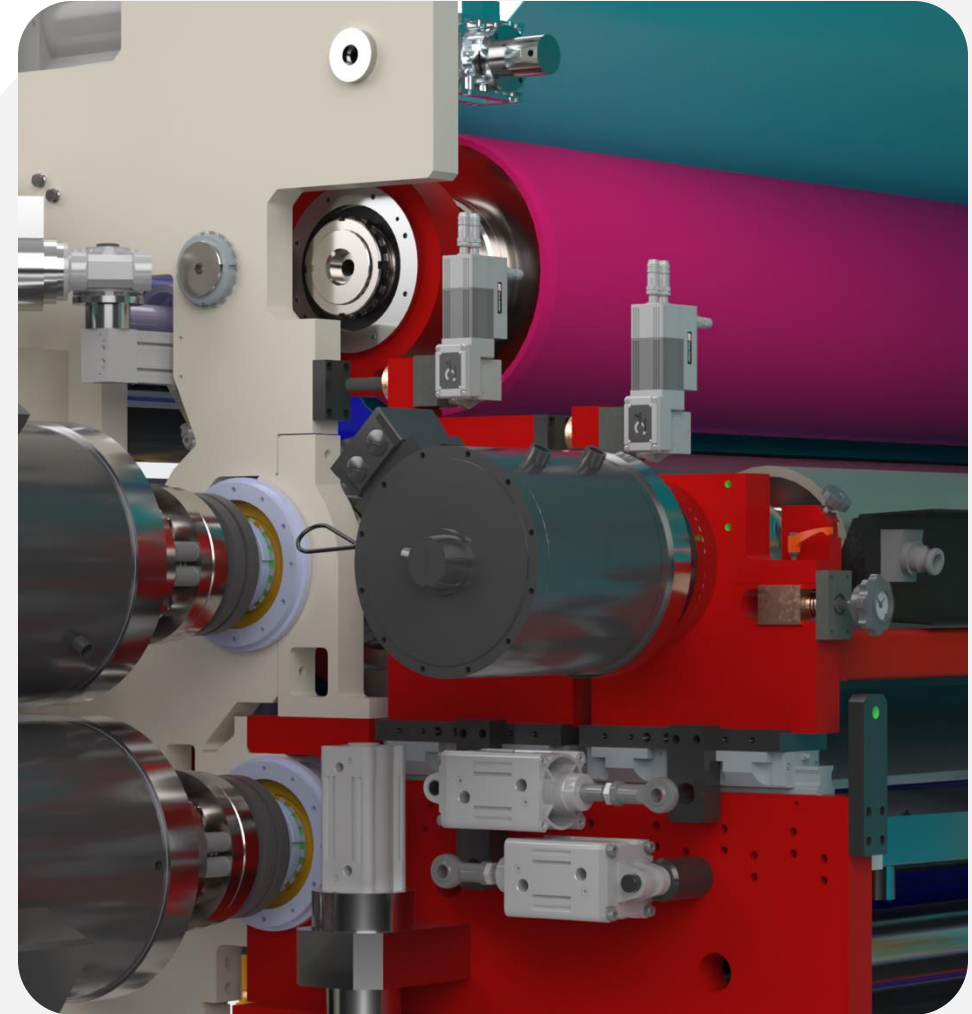
Glue rolls gap adjustable by touch panel

Higher safety - operators remain behind guarding

Adjustments can be done while the machine is running

Torque independent Motor mounted directly on cliché and anilox roll

Higher Efficiency, Higher speed range and control (fit for water lamination)

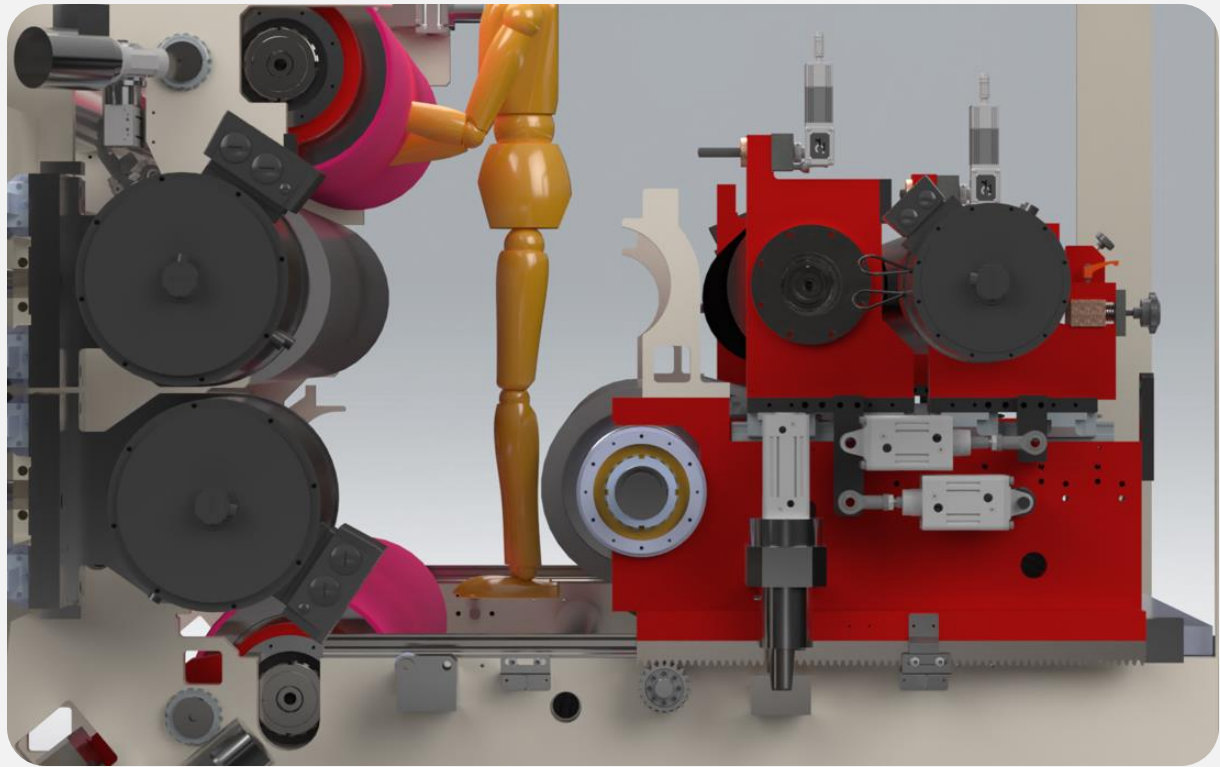
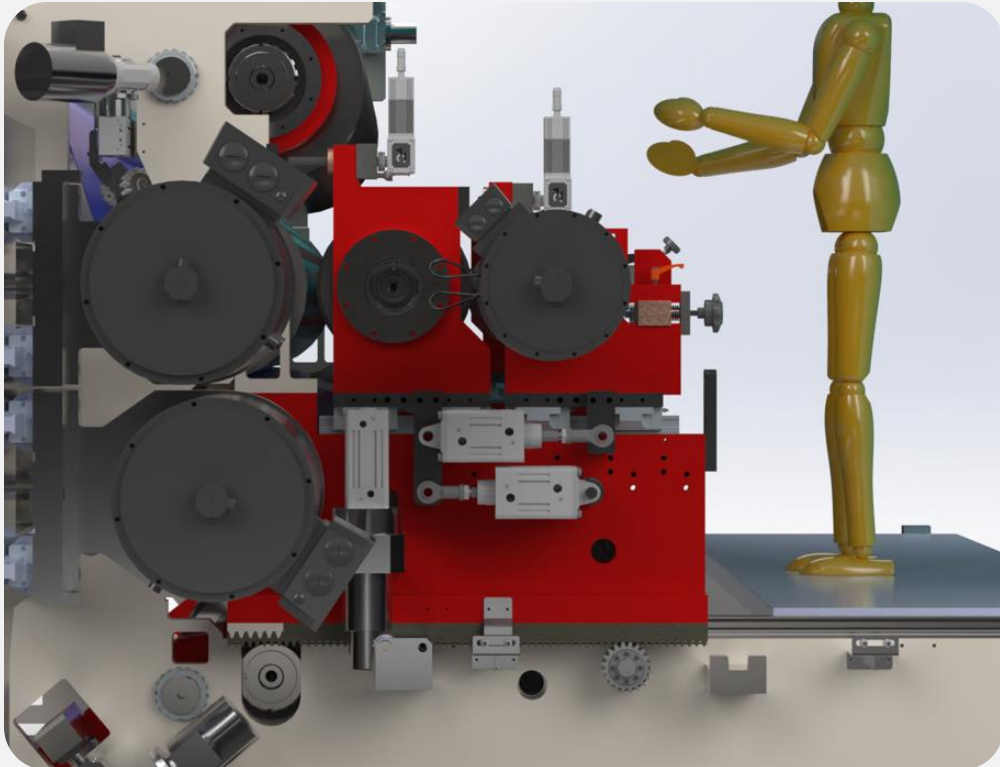


SMART EMBOSSE

Lamination Unit

Lamination unit in working position

Lamination unit in manutening/cleaning position



Locking device when glue unit is in operating position

Locking device when glue unit is in opened position





THANK YOU

