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2015

# KGİ MAKİNE

S A N A Y İ V E T İ C A R E T L T D . Ş T İ .

**KGİ MAKİNE**  
Digital Catalog

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# KGT MAKİNE

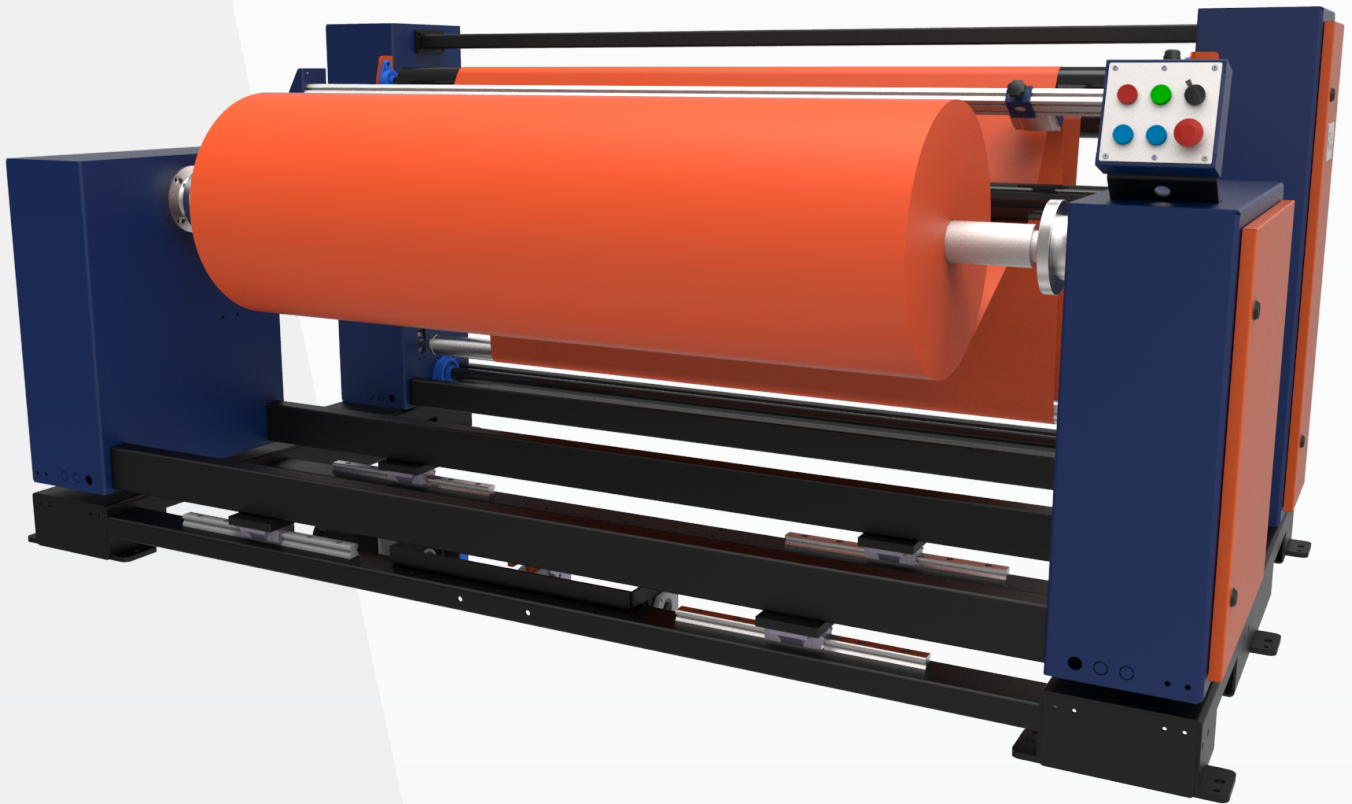
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# T-DGO

## Digital Printing Entry System

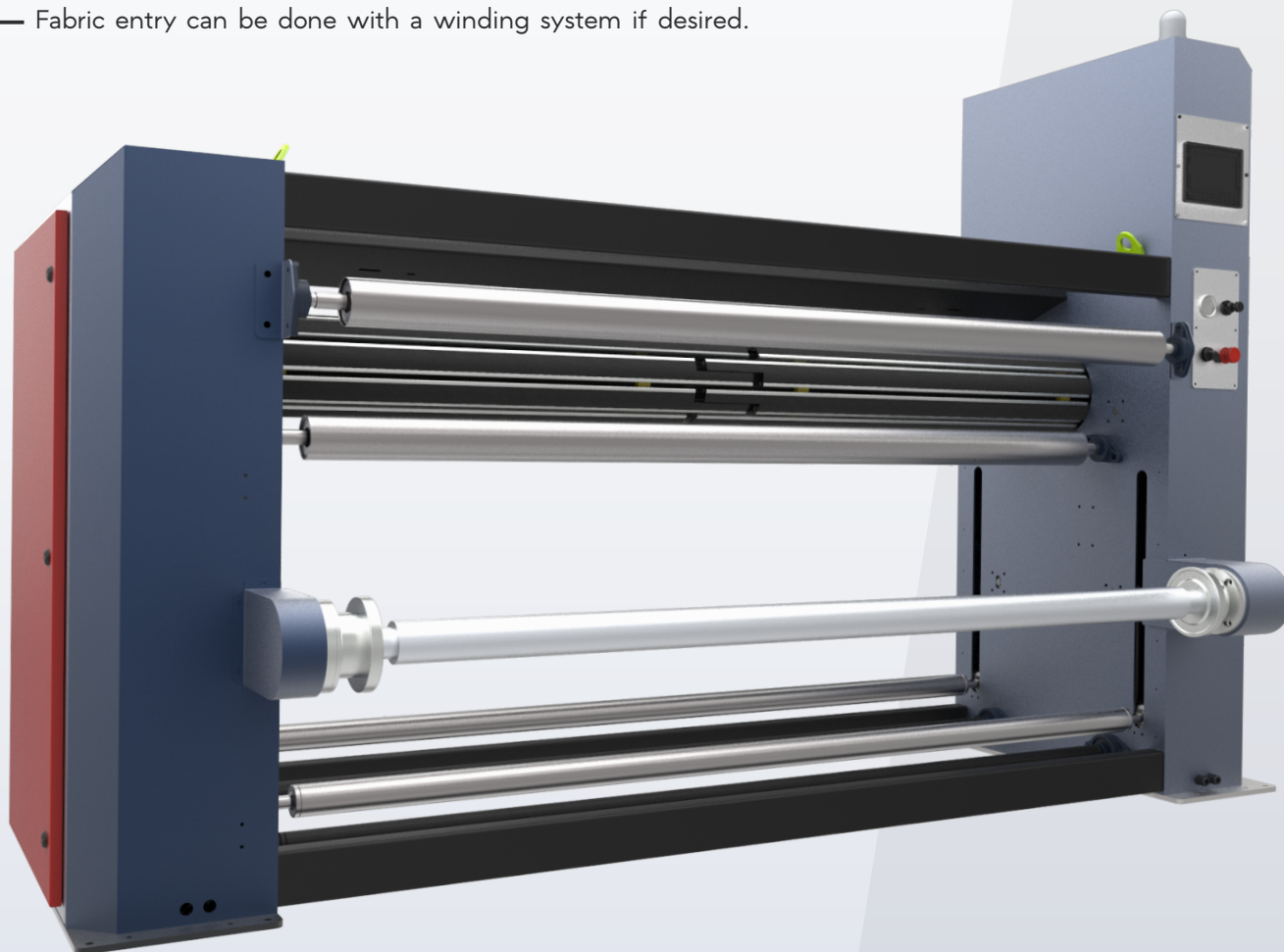
KGT Machinery T-DGO entry system is designed to deliver fabrics to the digital printing machine with the desired tension and aligned according to the machine.

- The speed of the fabric entering and exiting the entry dancer system is controlled separately.
- The fabric's entry into the dancer and tension adjustment to the printer are done with pneumatic adjustment in the dancer system.
- The fabric is delivered with high or minimal tension using the dancer adjustment.
- The fabric is delivered to the printer with a single edge control reference.
- The fabric always enters the printer from the same reference point.
- An integrated inflatable shaft roll unloading system is standard at the machine entrance.
- Fabrics with a maximum diameter of 350mm can be unloaded centrally.
- Fabric entry can be done with a winding system if desired.



### Optional Applications

- \*T-DDB Digital printing fabric unloading unit
- \*T-GDB Movable fabric unloading system at entry
- \*T-DDK Digital printing fabric winding system



# T-DGO

## Digital Printing Entry System

KGT Makne T-DGO fabric input system is produced in different ways according to customer demand and process.



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### Optional Applications

The mobile arm with the fabric unloading system is mounted onto the fabric unloading system. The mobile arm can move right, left, forward, and backward. The orientation of the fabric trolley is not important in this system. There is the possibility to open the fabric from the reverse side when necessary.



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### Optional Applications

The T-DDB Digital Printing Fabric Unloading Unit is fixed to the ground to the right or left in front of the fabric unloading system. The location of the fabric trolley is always fixed.



# T-DBB Digital Linear Type Ballerina System



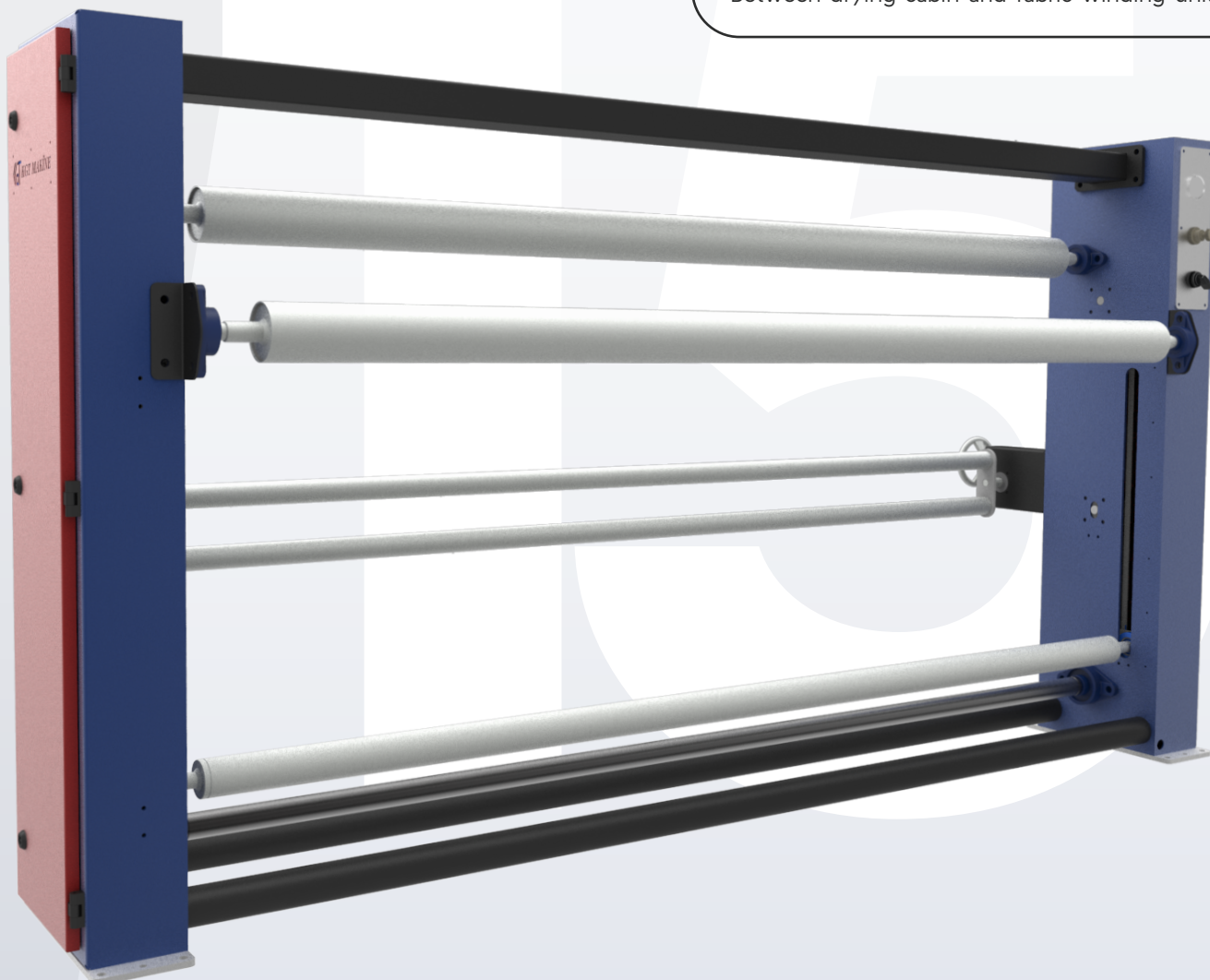
KGT Machinery T-DBB ballerina system ensures speed and tension synchronization between the fabric or roll unloading system and the printer or another machine.

The tension of the fabric can be adjusted using pneumatic pressure adjustment in the dancer system.

It allows fabric to be delivered with high or minimal tension.

## Optional Applications

- \*Between fabric unloading unit and printing machine
- \*Between drying cabin and folding unit
- \*Between drying cabin and fabric winding unit



# T-DDB Digital Central Drive Fabric Unloading and Winding System



KGT Machinery T-DDB central drive fabric unloading unit is used to unload the fabric from the fabric cart to the next station without tension at the machine entrance. It works in synchronization with the ballerina system according to the machine process it is applied to. The system ensures that the fabric is wound onto the fabric trolley (cart) by locking to the fabric trolley cylinder.

The body is made of a strong structure and statically painted.

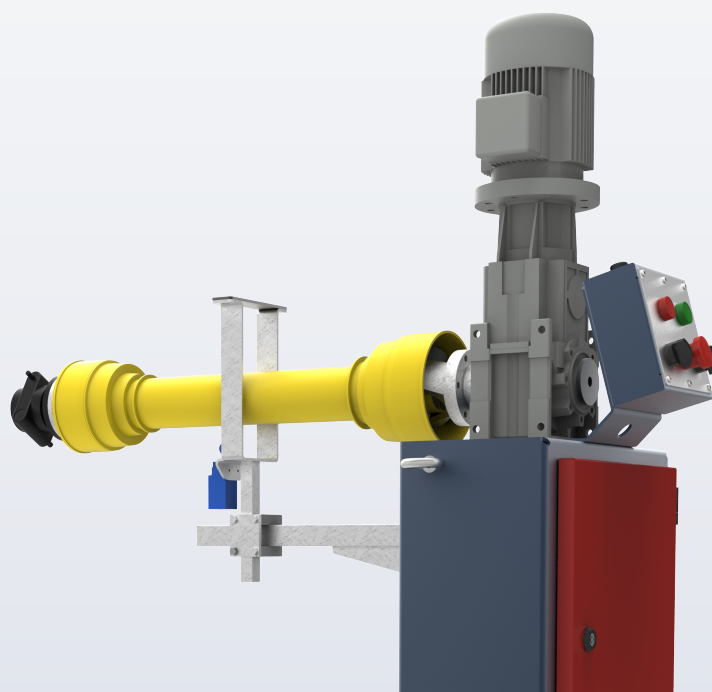
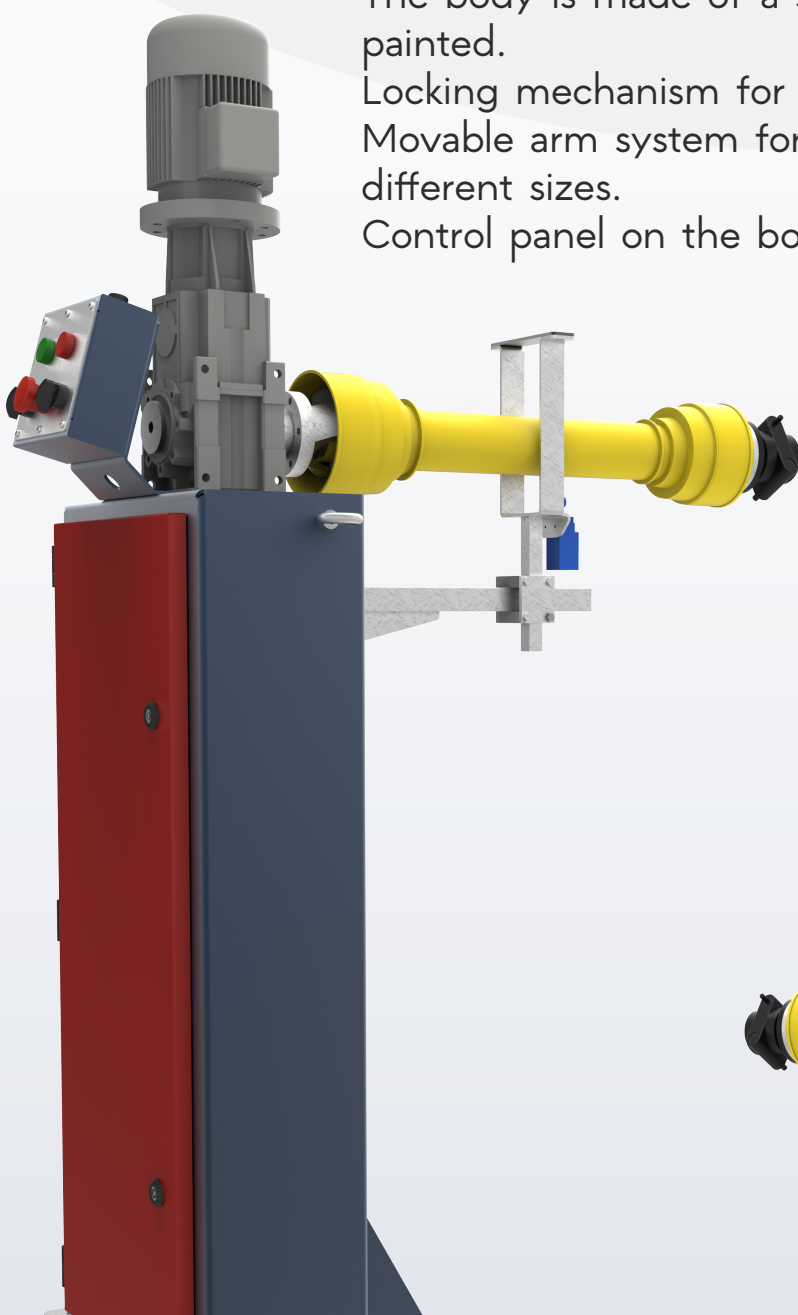
Locking mechanism for easy change of fabric cart.

Movable arm system for working with fabric trolley of different sizes.

Control panel on the body.

## Optional Applications

- \*The body is manufactured with a sturdy structure and static painting.
- \*Locking mechanism for easy replacement of the fabric trolley.
- \*Mobile arm system to work with fabric trolleys of different sizes.
- \*Control panel on the body.
- \*The T-DDB central drive fabric winding unit is designed to wrap the fabric onto the fabric trolley.



# T-DDK

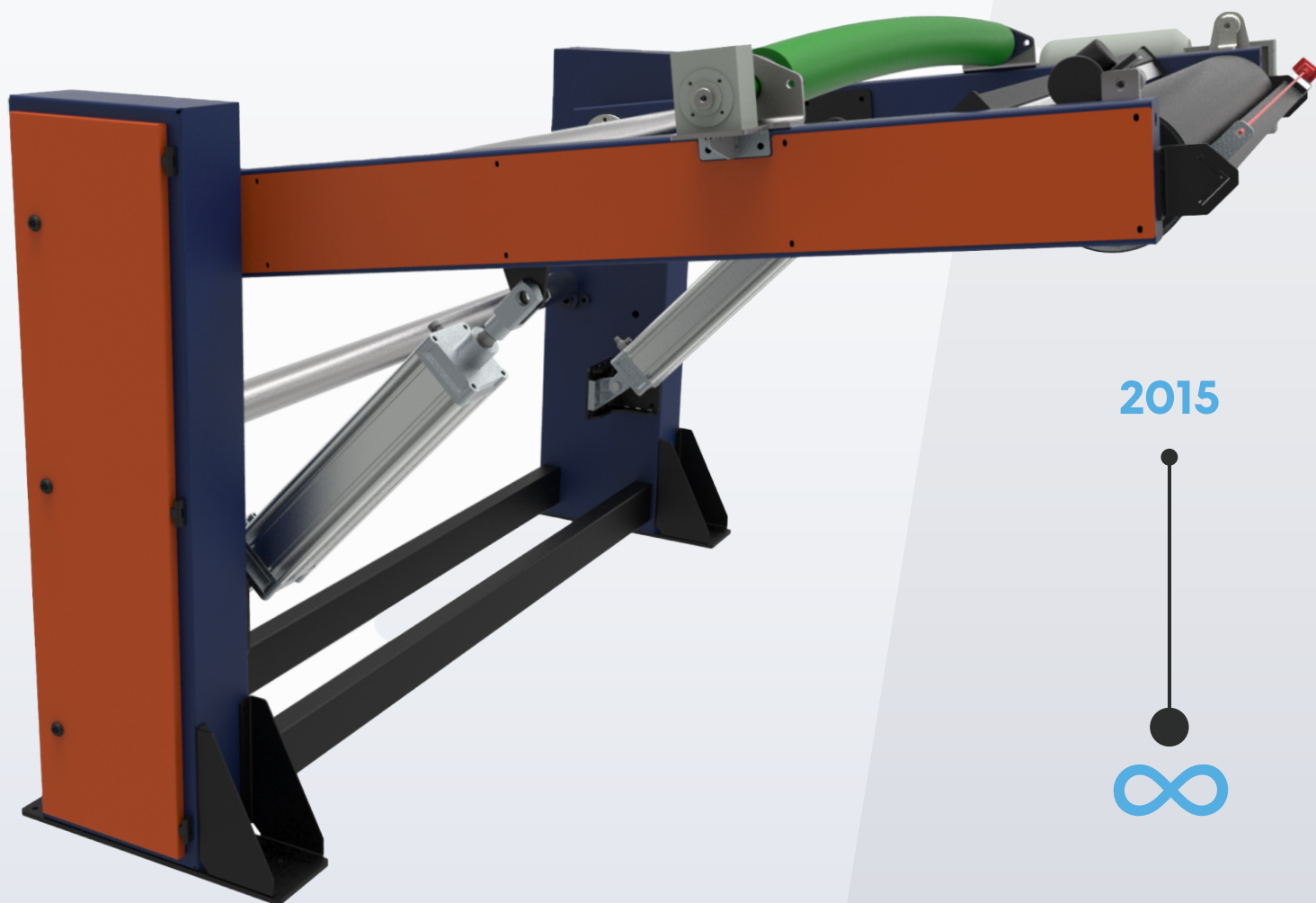
## Digital Fabric Unloading and Winding System



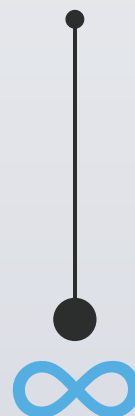
KGT Machinery T-DDK fabric unloading system is designed to deliver the fabrics wound on the fabric cart to the next station without tension. It works in synchronization with the integrated dancer system on the machine body according to the machine process it is applied to. The system delivers the fabric by touching its surface with the pull cylinder. It can work with fabrics up to a maximum diameter of 1600mm. Synchronization with the dancer at the machine exit is ensured.

Designed for winding the fabric coming out of the machine onto the fabric cart.

A manual banana cylinder system can be added before the pull cylinder for the winding system according to the process.



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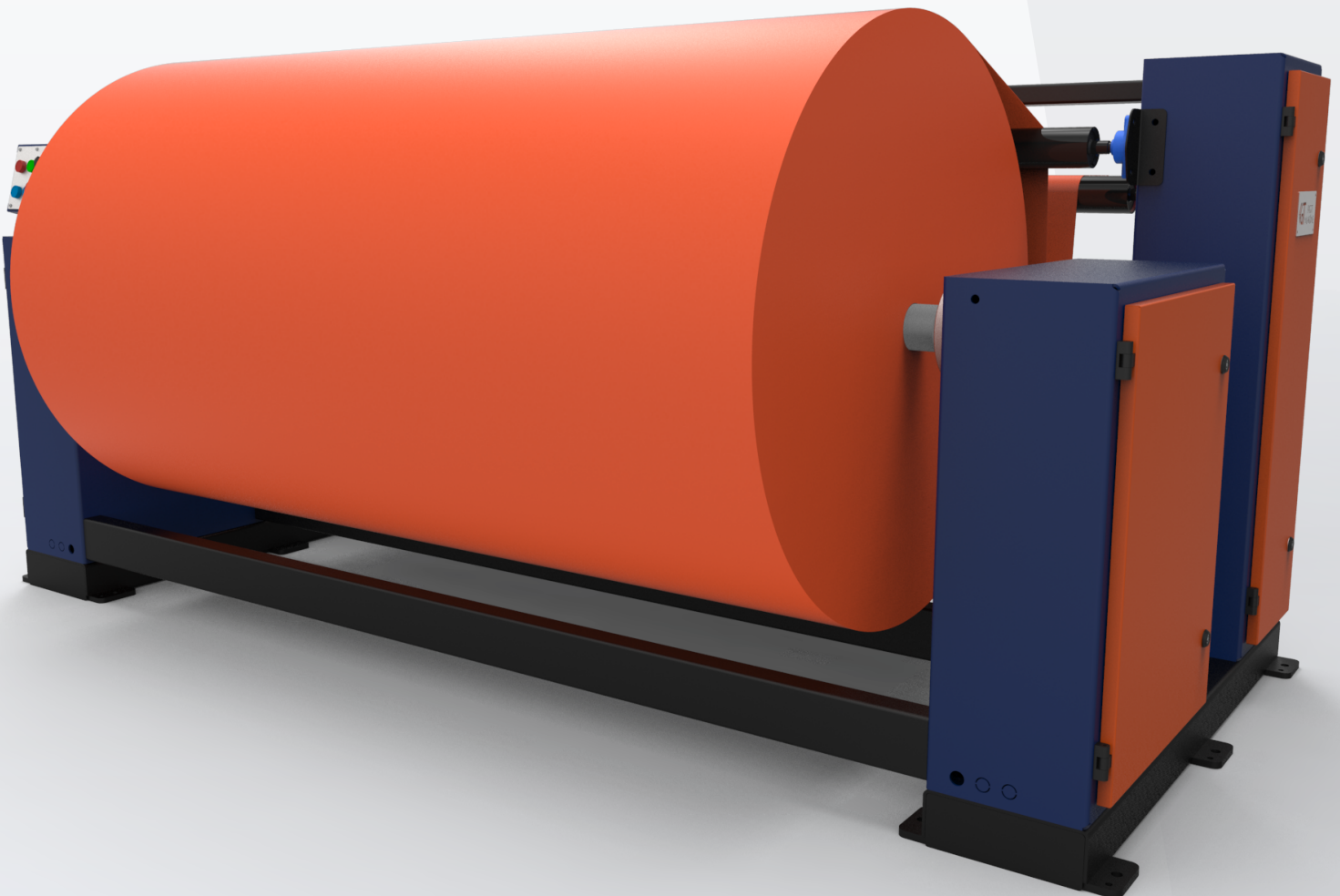


# T-DRB

## Digital Roller Unloading System (Inflatable Shaft)



KGT Machinery T-DRB roller unloading unit is designed to deliver the fabric wound on the roller to the next station without tension. Synchronization with the dancer at the machine exit is ensured. The tension of the fabric can be adjusted as desired with the pneumatic control of the dancer. It can work with fabrics up to a maximum diameter of 800mm.

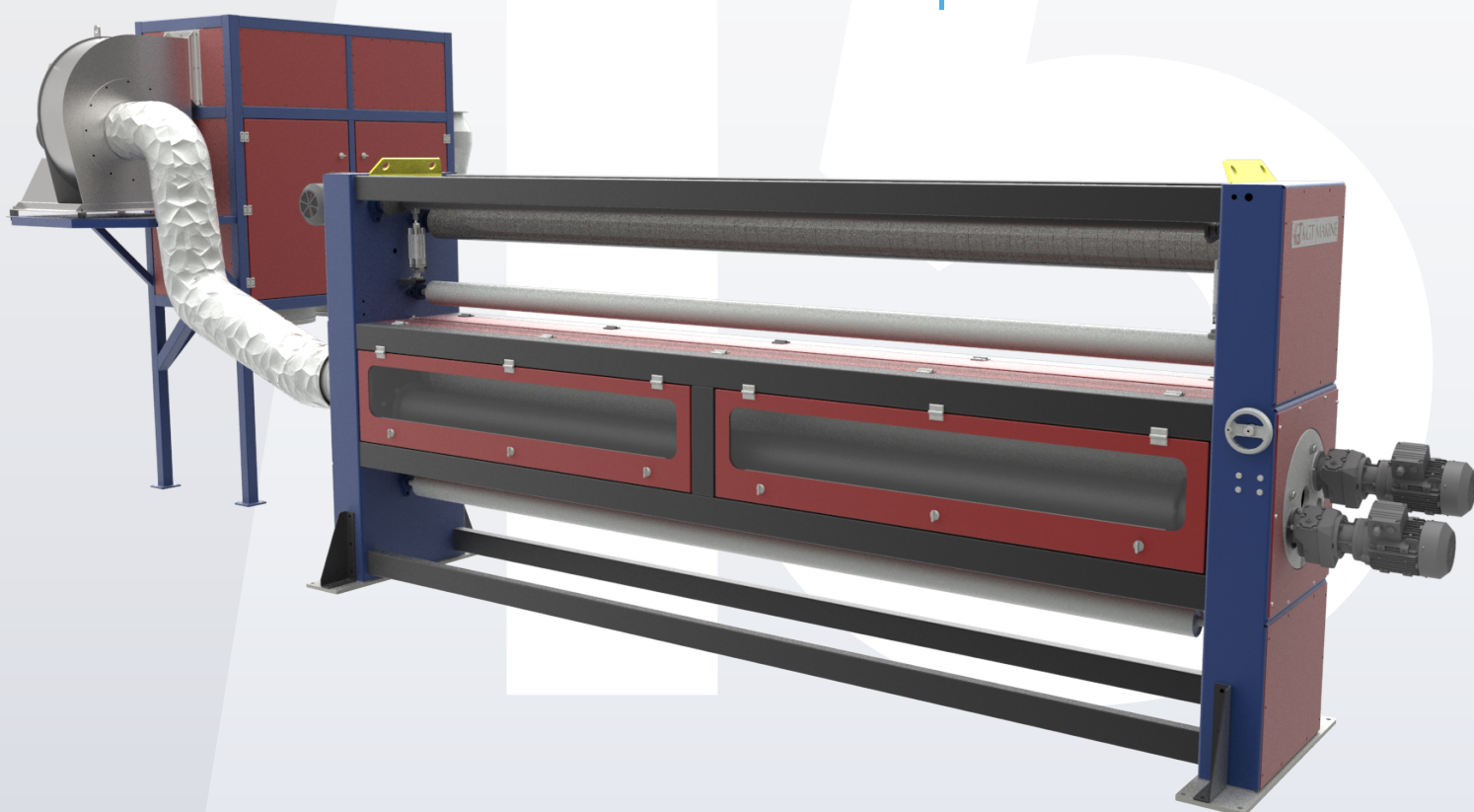




# T-DTE Digital Dust Extraction Unit

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KGT Machinery T-DTE dust extraction unit is designed to clean dust, fibers, etc. from the fabric's surface by brushing. The air sucked by the aspirator is filtered and discharged. Dust, fibers, etc. are collected in a cloth bag. The cleaned fabric is delivered in synchronization with the dancer system.



# T-DGH

## Digital Carpet

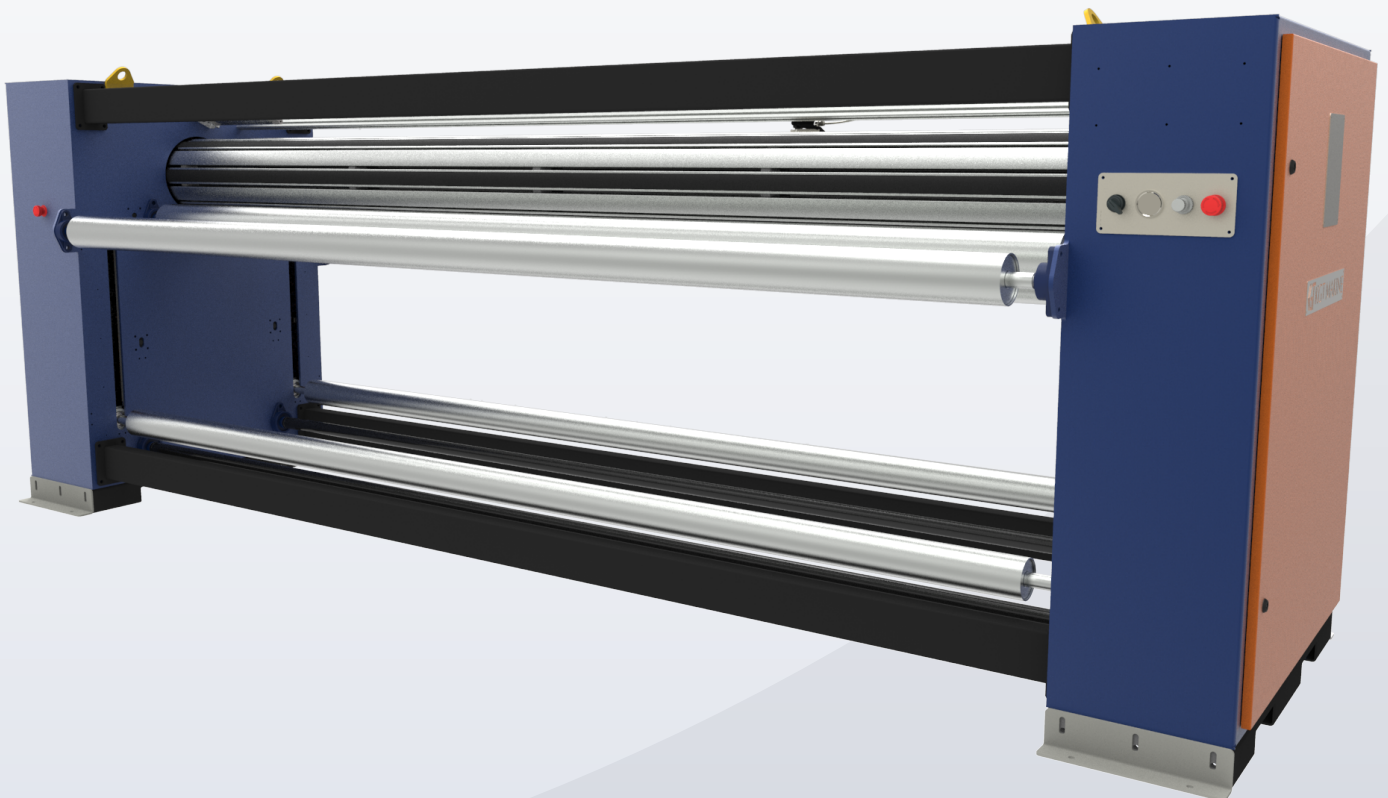
## Type Entry System



KGT Machinery T-DGH carpet type entry system is designed to deliver thick and heavy fabrics like carpets to the digital printing machine with the desired tension and aligned according to the machine. The speed of the fabric entering the entry dancer system is controlled. The alignment system moves the fabric to the desired position with bar movement, ensuring continuous operation. The fabric's tension is adjusted, guaranteeing precision for the fabric's entry into the printing machine.

### Optional Applications

- \*T-DDB Digital printing fabric unloading unit
- \*T-GDB Movable fabric unloading system at entry
- \*T-DDK Digital printing fabric winding system



# T-DGA

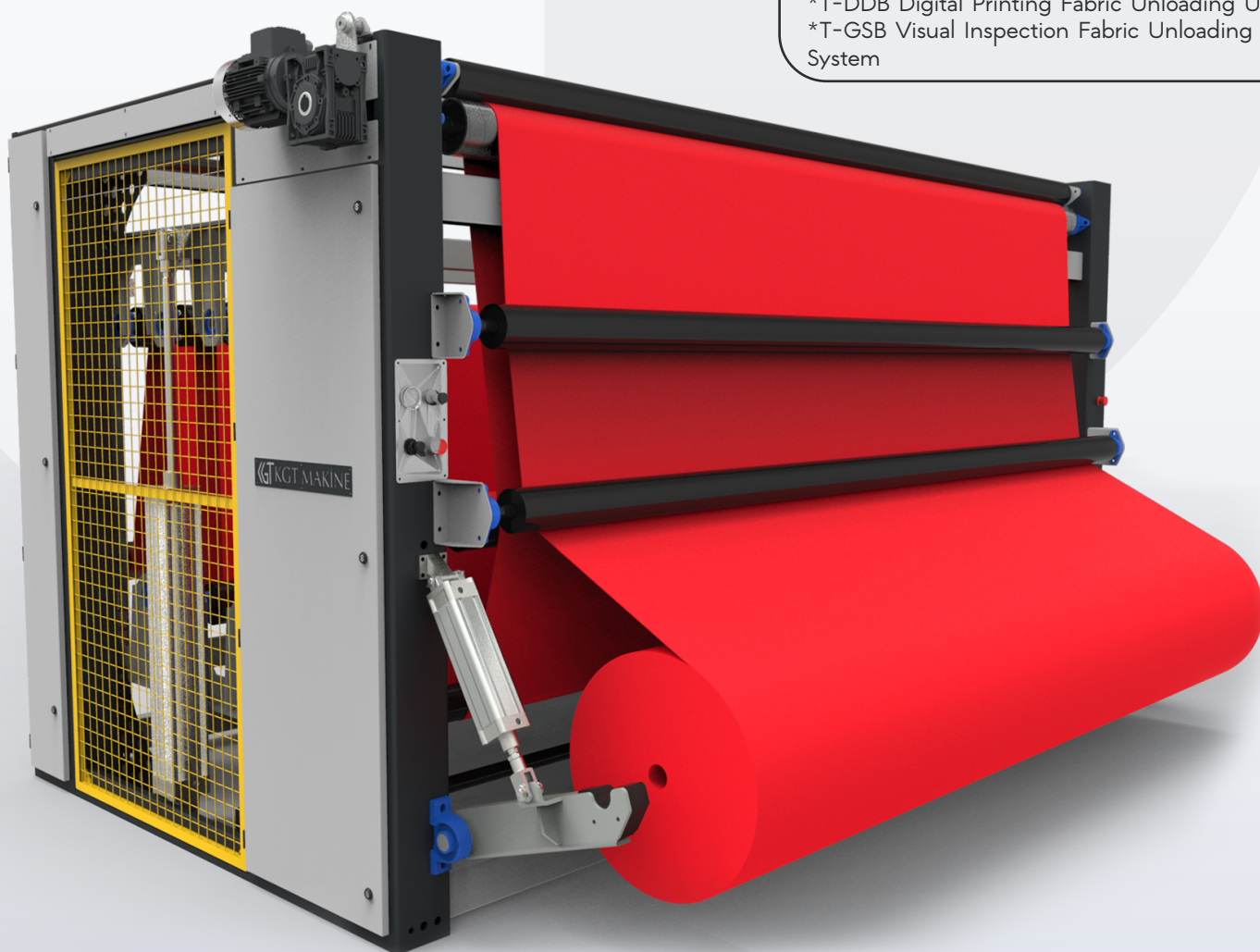
## Digital Printing Accumulator Unit

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KGT Machinery T-DGA digital printing accumulator unit is designed to keep fabric production continuous. It accumulates fabric by moving the cylinders up and down from the center. The system's movement is pneumatically controlled, allowing precise tension adjustment. It has a fabric edge sensor at the machine entrance, alerting the operator if there is a fabric edge. The manual unloading system with pneumatic arms is provided at the machine entrance. The fabric is delivered to the machine with the entry pull cylinder.

### Optional Applications

- \*T-DDB Digital Printing Fabric Unloading Unit
- \*T-GSB Visual Inspection Fabric Unloading System





# T-DTK

## Digital Printing

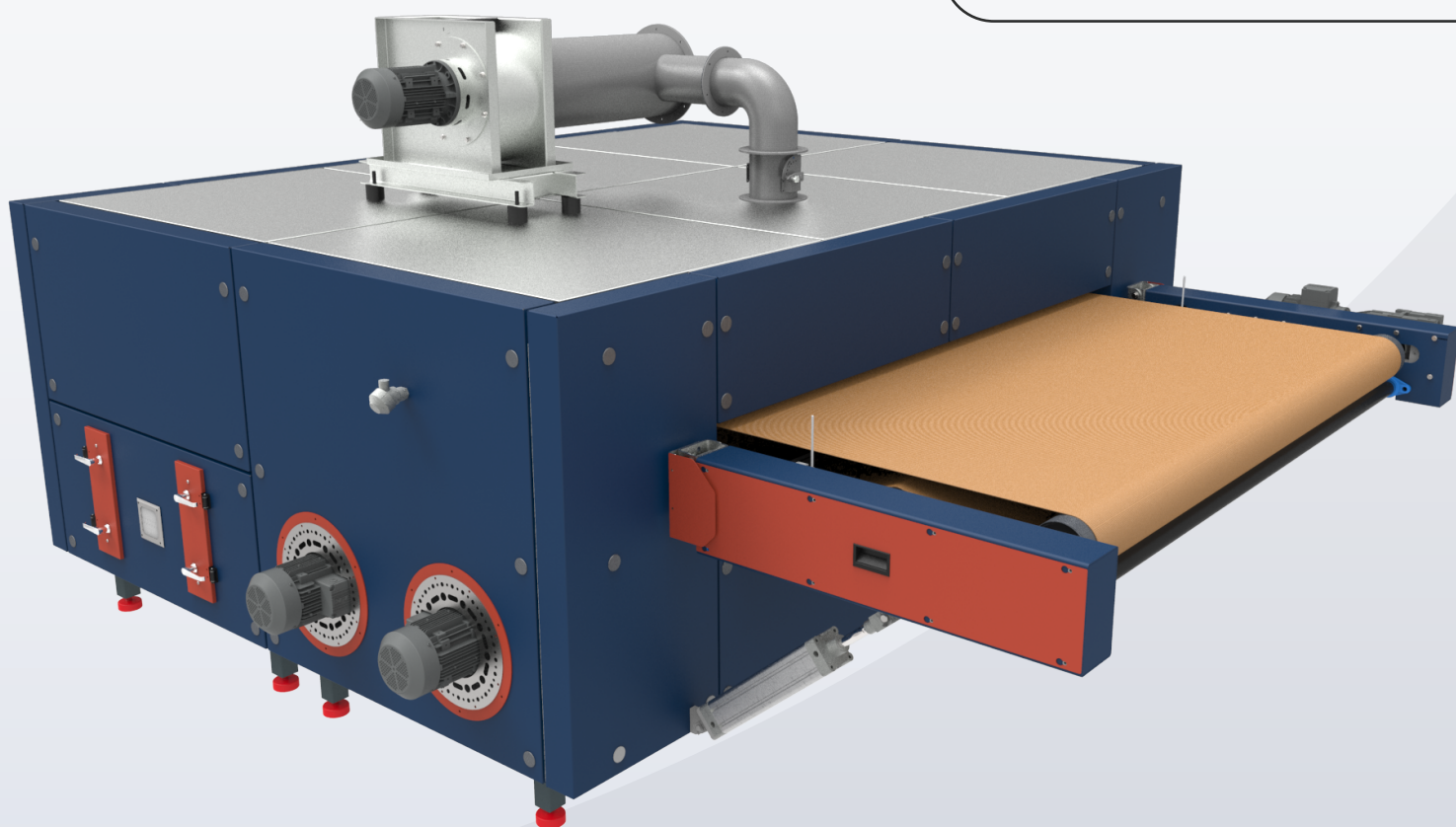
## Single Pass Drying Cabin

The KGT Machine T-DTK digital drying cabin is used as a single passage. It is equipped with a cross-positioned flat system to prevent edge, middle, edge differences on the fabric. Heating can be chosen from natural gas, electricity, steam, and hot oil systems. Air circulation is provided by 4 fans and 2 heat sources, each controlled by an inverter, which work within each cabin. The heated air from the fans is delivered to the surface of the fabric through nozzles. Each cabin has a temperature control system. It is designed to reach a maximum temperature of 160°C. For reducing heat loss and increasing efficiency, there is an insulated cover system with a thickness of 100 mm, 1 chimney fan, and a conveyor entry system controlled by an inverter, allowing adjustment of belt speed.

“

### Optional Applications

- \*T-DPS Digital printing swing folding unit
- \*T-DPS Digital printing mobile folding unit
- \*T-DDK Digital Printing Fabric Winding Unit
- \*T-DTS Digital Printing Fabric Roll Winding Unit
- \*T-DRS Digital Printing Roller Winding (Inflatable Shaft) Unit



# T-DUK

## Digital Three-Pass Drying Cabin

KGT Machinery T-DUK digital drying cabin can be used as a single-pass when necessary. It is equipped with a cross-positioned nozzle system to prevent edge, middle, edge difference on the fabric. Heating options include natural gas, electricity, steam, and hot oil systems. Air circulation is provided by 2 inverter-controlled fans and 1 heat source per cabin. The heated air from the fans is delivered to the fabric surface through the nozzles. Each cabin has a temperature control system, designed to reach a maximum temperature of 185°C. It features a 120mm thick insulated cover system to reduce heat loss and improve efficiency, and an inverter-controlled conveyor entry system for adjusting the belt speed.



### Optional Applications

- \*T-DPS Digital printing swing folding unit
- \*T-DPG Digital printing mobile folding unit
- \*T-DDK Digital printing fabric winding unit
- \*T-DTS Digital printing roll winding unit
- \*T-DRS Digital printing roller winding (inflatable shaft)



# T-DSK

## Digital Single-Pass Drying Cabin

KGT Machinery T-DSK digital drying cabin is used as a single-pass cabin with fabric transported on cylinders. It is equipped with a nozzle system to blow air onto the fabric. Heating options include natural gas, electricity, and steam systems. Air circulation is provided by 2 inverter-controlled fans and 1 heat source per cabin. The heated air from the fans is delivered to the fabric surface through the nozzles. Each cabin has a temperature control system, designed to reach a maximum temperature of 140°C. It features a 100mm thick insulated cover system to reduce heat loss and improve efficiency, and an inverter-controlled conveyor entry system for adjusting the belt speed. The fabric is transported on cylinders within the machine.

### Optional Applications

- \*T-DPS Digital printing swing folding unit
- \*T-DPG Digital printing mobile folding unit
- \*T-DDK Digital printing fabric winding unit
- \*T-DTS Digital printing roll winding unit
- \*T-DRS Digital printing roller winding (inflatable shaft)

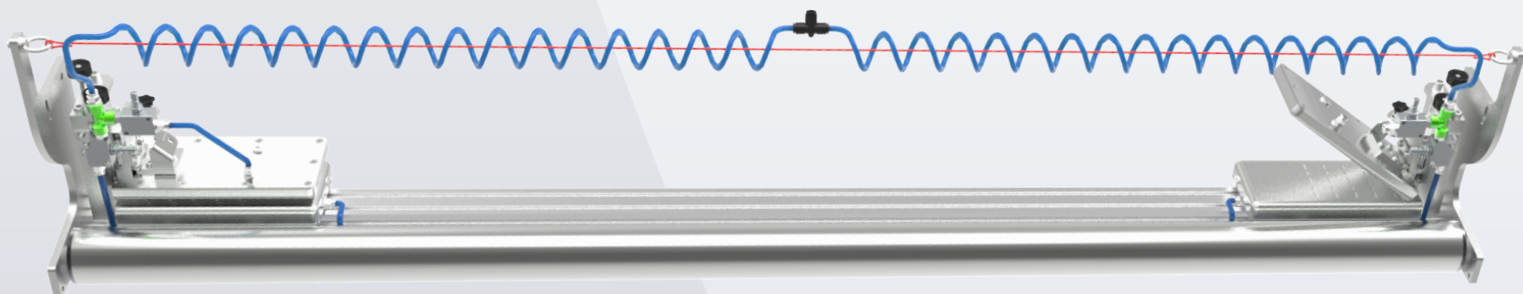
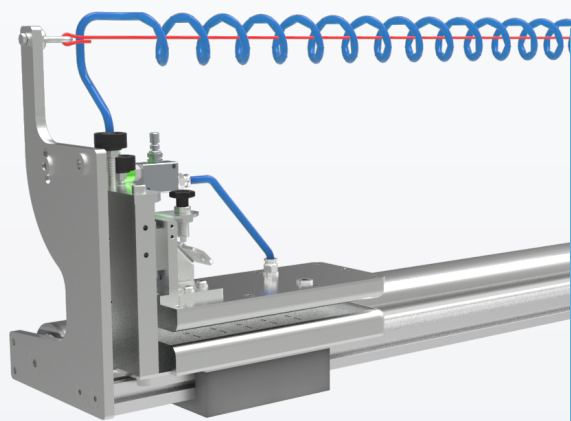
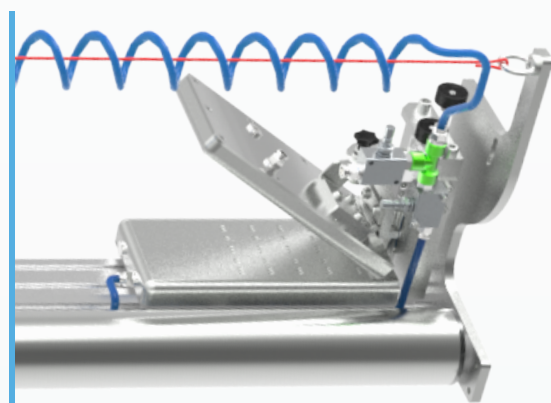


# T-DBK

## Digital Edge Opener Unit



Used at the blanket entry of printing machines, this unit opens the fabric's edge curls. It consists of a body, edge opening rollers, a pneumatic cylinder system for adjusting edge opening force, and a control panel. The edge opening rollers can be manually adjusted for different fabric widths.





# T-DPG

## Digital Mobile Folding Unit

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This unit folds fabric in a mobile structure. The machine can be moved to different locations in the production line. It has a fold count system to ensure even and accurate folding. The fabric folding process can be adjusted according to the width and weight of the fabric.



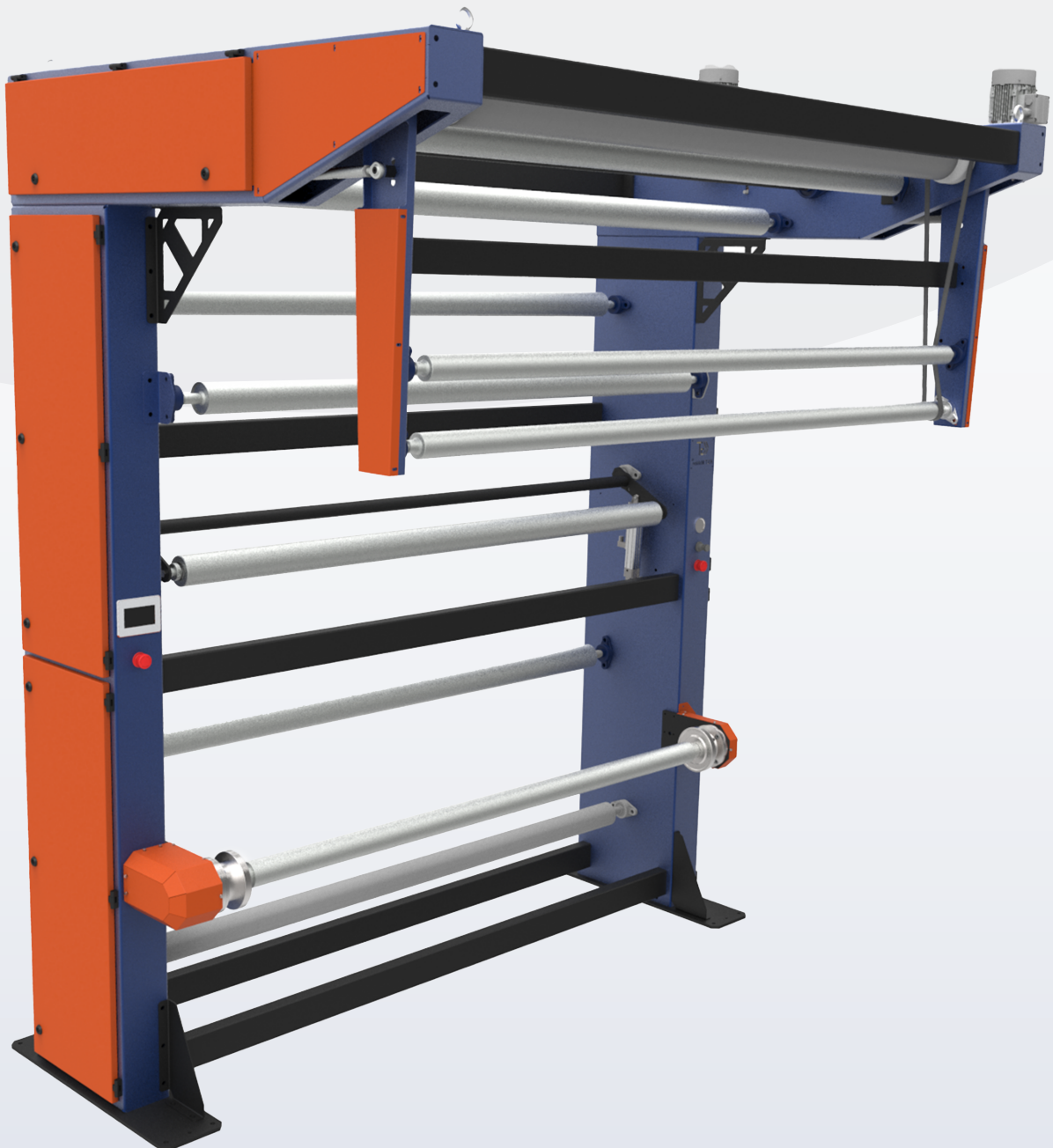


# T-DPS

## Digital Swinging Folding Unit



This unit swings to fold fabric. The swing movement ensures precise and even folding. The unit can be synchronized with the fabric's exit speed to prevent tension and misalignment.



# T-TBK

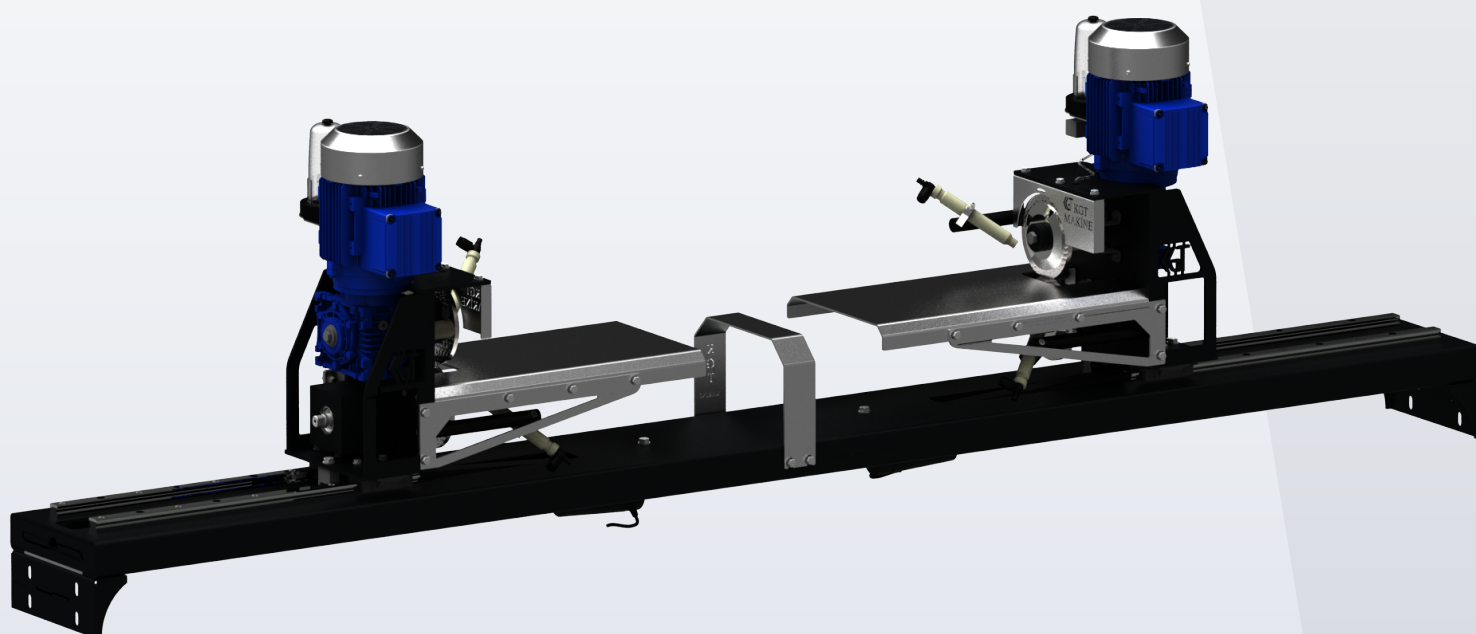
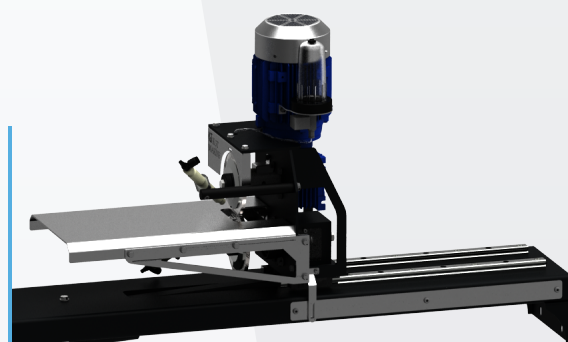
## Digital Transfer Printing Edge Cutting Unit



Used in transfer printing, this unit cuts the edges of the fabric to ensure clean and even edges. The cutting system can be adjusted for different fabric widths and thicknesses.

### Optional Applications

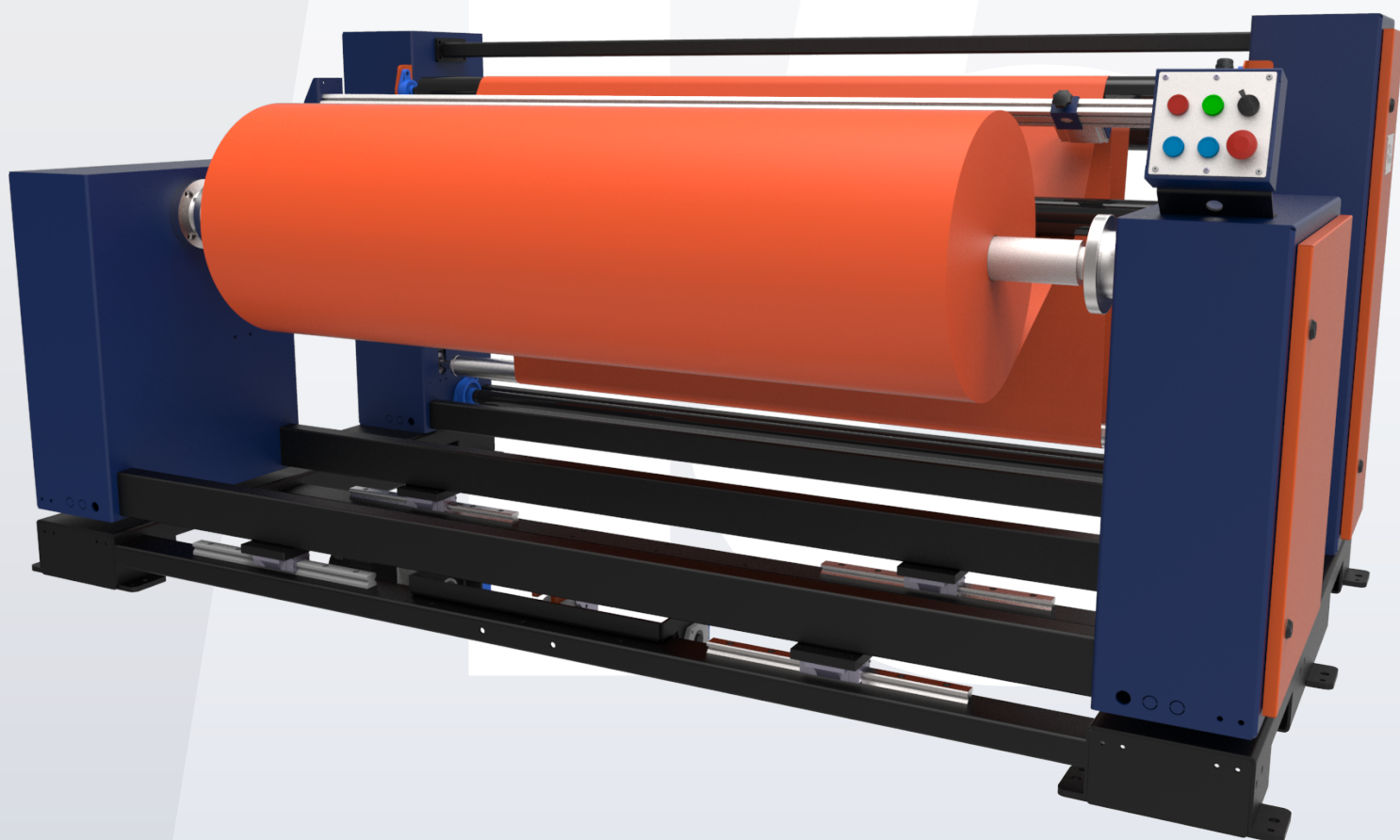
The edge cutting process can be performed automatically or manually. In the automatic operation system, a sensor is attached to detect the fabric edge. By adjusting the distance of the sensor to the cutting blade, cutting can be done to the desired measurement. In manual operation, the cutting thickness of the blade is adjusted manually. Since the sensor attachment is disabled, edge detection is not performed, and the blade remains in a fixed position.



# T-DRS Digital Roller Winding Unit (Inflatable Shaft)

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This unit winds the fabric onto a roller with an inflatable shaft. The inflatable shaft ensures firm grip and alignment of the fabric. The unit can work with fabrics up to a maximum diameter of 800mm.

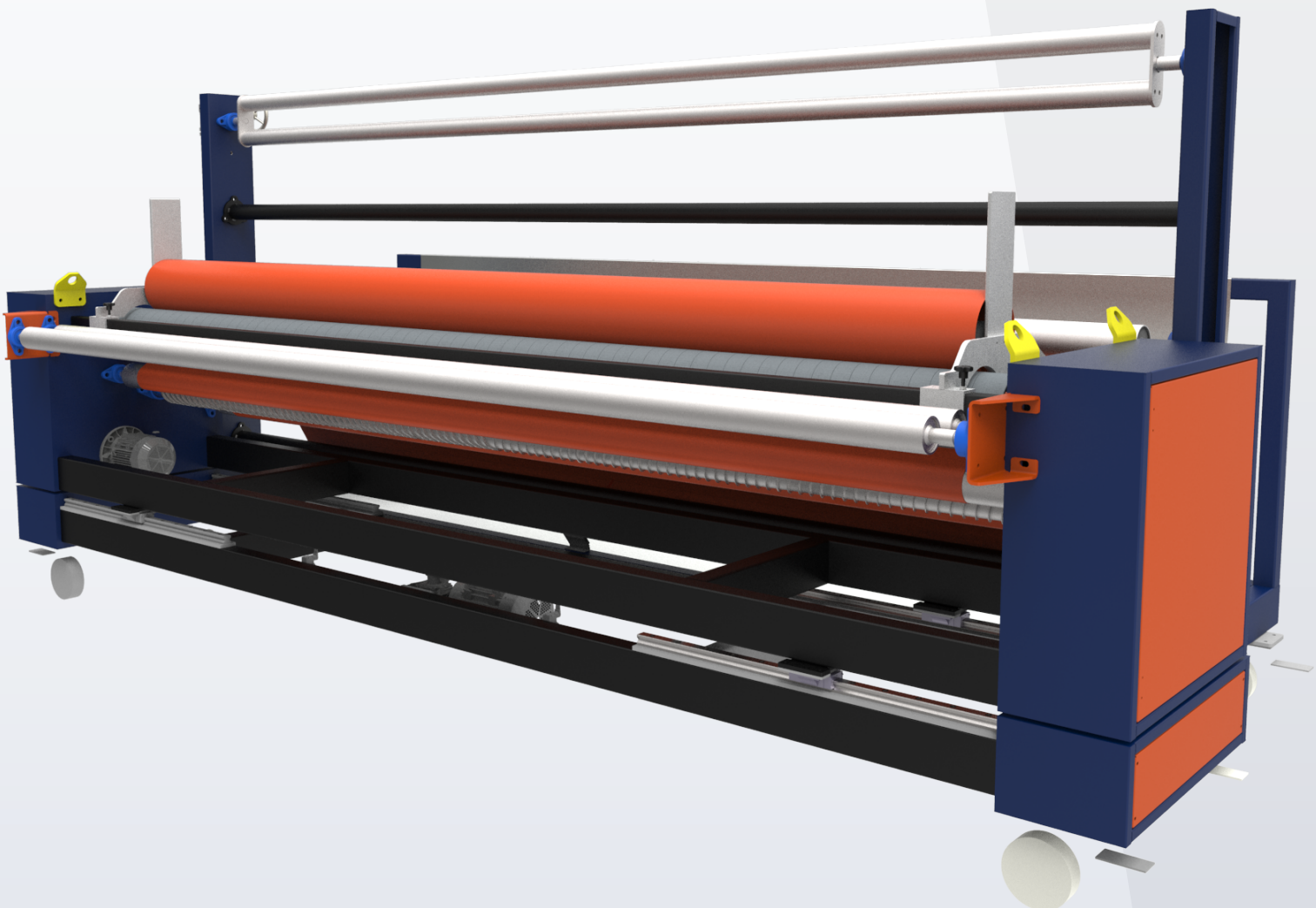


# T-DTS

## Digital Roll Winding Unit



This unit winds the fabric onto a roll. It ensures even tension and alignment during the winding process. The unit can work with fabrics up to a maximum diameter of 800mm.





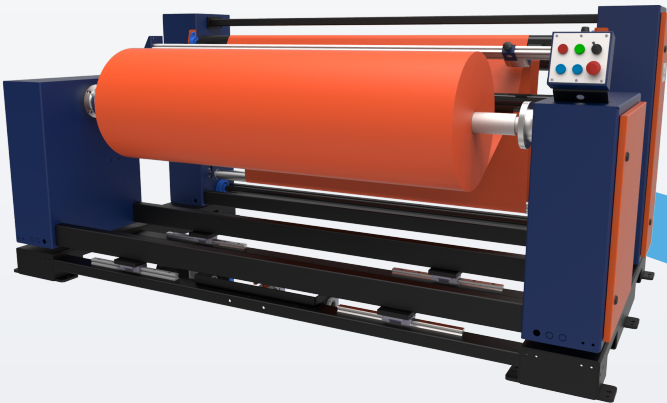
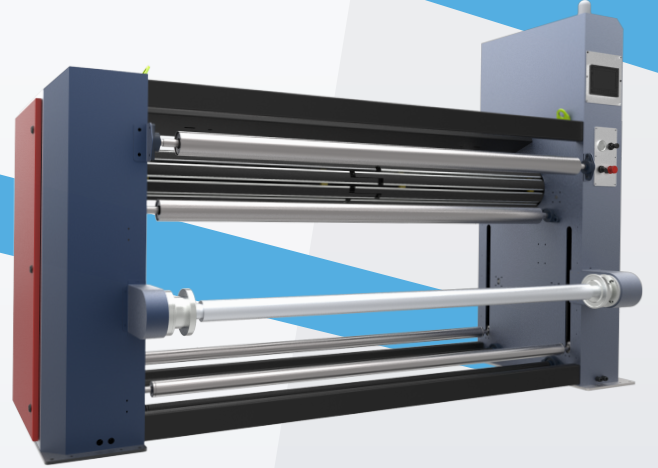
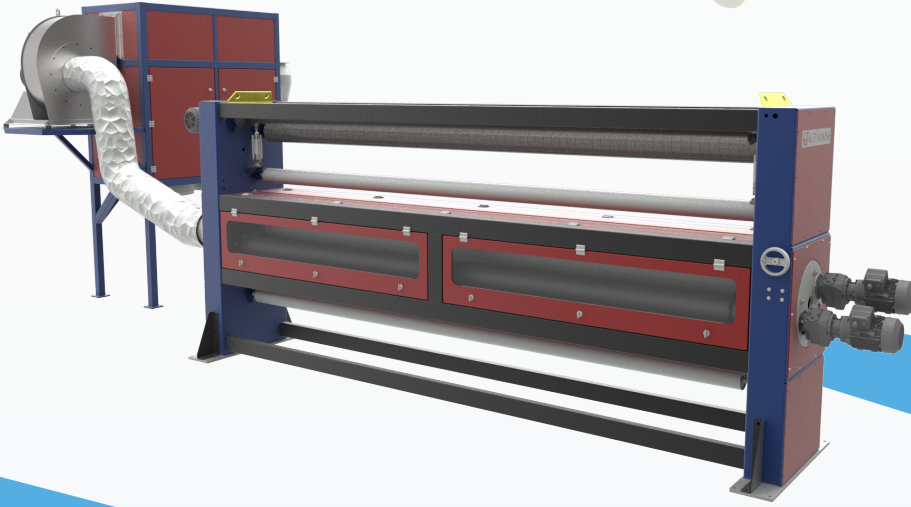
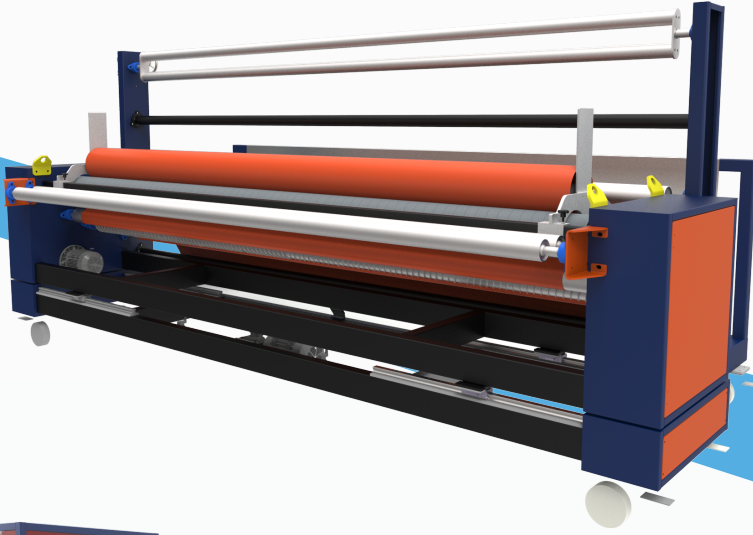


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