

 **TURAL MAKİNA®**



Since **1979**

Transfer Printing Machines

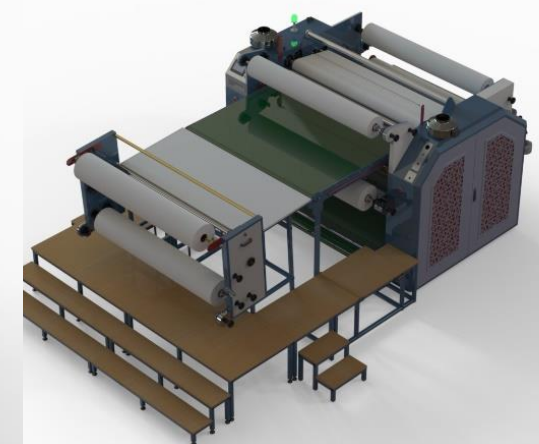
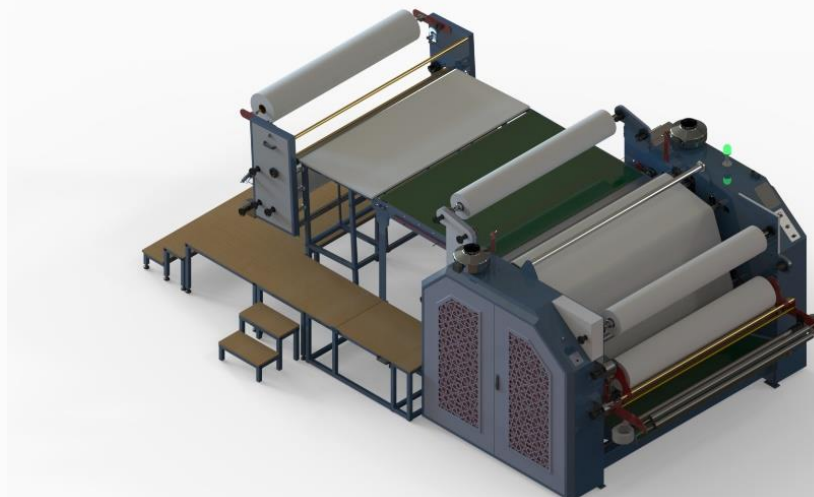
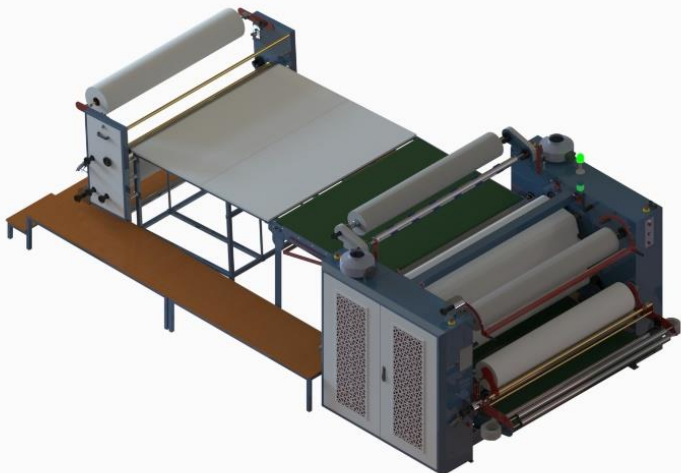
TM-1800 / TC-405 PIECE & QUANTITY FABRIC PAPER TRANSFER PRINTING SUBLIMATION CALENDER MACHINE



The TC-405 model is designed for non-stop transfer thermo printing. The model has been produced to assist the operator by including the wrapping processes of paper and fabrics. After the temperature adjustment of the printing cylinder is made, the operator first puts the fabric and then the paper on the cylinder. When the paper and fabric come into contact with each other around the cylinder, sublimation heat transfer from the paper to the fabric, resulting in an extremely good colour gloss. The tension on the paper is adjusted by means of the brake system. Depending on the type of fabric to be printed, the temperature can be adjusted with an electronic thermostat so that it can reach 215°C in 60 minutes. The pressure between the paper and the fabric is adjusted with 100% NOMEX felt. Heating of the diathermic (heat-transmitting) oil in the roller is electrically provided by the resistance without applying pressure.

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MODEL	WIDTH mm	DRUM DIAMETER (Ø mm)	PRODUCTION RATE PER (m/min)	PRODUCTION RATE PER HOUR (mt)	TEMPERATURE
TC 405	1800	405	2,3m 3,5m	138m, 210m	215°C



CURRENT TECHNICAL SPECIFICATION

- The cylinder system is oil heated and the cylinder diameter is Ø 405mm
- External surface heat detection system,
- Production can be made at a cylinder width from 1800mm to 1780mm,
- The most important feature that distinguishes this machine from other machines is that the reisa system that reduces oil in the cylinder system as a standard feature. Thanks to this system, the machine is ready for 210°C printing in 60 minutes,
- There is a system that calculates and displays the electricity consumed by the machine. Ampere and Volt inputs can also be monitored momentarily,
- The machine has a soft electricity setting system, so you can turn down and adjust the settings of the incoming 220 Volt electricity as you wish,
- Non-static, sand blasted and tempered glass cloth laying table
- Air spindle winders with tension adjustment that deliver paper and wrap the paper out,
- 4 air spindles for delivering and winding paper,
- 7-inch LCD control panel and system that instantly displays the electricity consumed by the machine during operation and calculates it in KW and \$ or €,
- Machine warning system in case of possible sudden temperature increase or decrease,
- 3 speed-adjustable conveyor belt system to assist production,
- Pneumatic centering system on conveyor belts,
- Smoke absorbing fan that carries the smoke from the bottom of the conveyor up during the transfer
- Smoke absorbing fan helping to cool the felt,
- Felt centering system, automatic adjustment of control with double-sided air piston and special pressure regulators on Tension Pistons,
- When it is desired to press the fabrics between the extra felt and the cylinder, the pneumatic crushing system is used to press the desired pressure to the fabric, especially to crush the folded edges of thick stitched goods,

SAFETY AND CONTROL FEATURES

- 4 Emergency buttons and 1 rope switch for emergencies, when these switches are activated, the machine runs back one full turn and stops,
- Master cylinder runs backwards for safety,
- There is a barrier in front of the machine that prevents hand entry,
- The machine gives an automatic alarm when the felt is out of control,
- There is a special precautionary system against overheating,
- Manual arm to be turned to cool the machine for power cuts, an inlet for UPS and Generator connection,



SPECIALS EXTRAS ON REQUESTS

- Chrome plated master cylinder,
- Spare air shaft,
- Small side protection paper insert,
- Fabric winding system from extra core with speed adjustable tension, extra winding,
- Special static receiver bar that takes static electricity to prevent the paper,fabric and especially the employee from being exposed to static electricity,
- Reciprocating Piston moving idle system that will facilitate the work of the employee in part printing works, system can also be used to help cooling in meterage printing work,
- Pneumatic centering system to conveyor belts,
- Fabric cooling on conveyor or fabric cooling on winding,
- Pneumatic guiding system in conveyors centering system,
- Rotary roller fabric delivery basket system,
- Speed adjustable potentiometer rotary roller fabric feeding system, (Fabric spreader that automatically spreads lycra fabrics without a roll or with a broken roll)
- Remote fabric winding system, fabric winding system with edge control glass, if desired
- Fabric Shaking system,
- Racked Fabric Spreading System,



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FILM LAMINATING MACHINE

FLAG FIXING CALENDER MACHINE

TRANSFER LABEL MACHINE

FLAME LAMINATION MACHINE

TRANSFER PRINTING FELTS

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