cibitex
enhancing finishing

easycoat light

Compact multi-functional unit for pre-treatment and drying of digital printed fabrics

Why treat or not to treat the fabrics?

Most of the fabrics, both natural and synthetic, are not ready to receive and retain the colorants properly, especially when the item of clothing or the finished product must then be worn or has to find a practical use in home decoration. Applying **a specific pre-treatment for each individual ink chemistry** is the pre-condition for optimal printing performance, ensuring optimum fastness and brighter colours.
The post-treatment of a fabric may also include the further application of post-printing functional fluids, such as anti-mold and sealing treatments.

Why easyCOAT light?

The easyCOAT light is the multifunctional unit that can be used in combination with entry-level equipment, from low and mid-production inkjet printers to the digital textile finishing machines.
Even more compact and easier to use than the easyCOAT/DRY unit, it combines the traditional padding with the IR drying systems to ensure efficiency and compactness.
In just few meters you can manage different operations, with a wider range of possibilities for your business.



Automation & optimization of process

Full integration

The easyCOAT light is designed as a stand-alone unit to be positioned in the print production department, serving one or more mid-range inkjet printers.

1. PADDING BASIN AND LEVEL SENSORS

Fabric impregnation is still the best way to pre-treat, because it ensure that every part of the fiber receives an adequate amount of pre-treatment product, favouring the adhesion or the chemical reaction of the colorant during the printing phase. The easyCOAT light is running this process automatically, keeping always the optimal chemicals quantity inside the basin with a pumping system connected with two level sensors.

2. SQUEEZING CYLINDERS

The two squeezing cylinders ensure a uniform distribution of the pre-treatment chemical on the entire fabric width: this is the most important issue in the pre-treatment cycle, in order to obtain the maximum quality and colour uniformity in the printing phase. Furthermore, the covering of the cylinders ensures an easy cleaning at the end of the process.

3. DRYING UNIT WITH INFRARED

The easyCOAT light is equipped with the most recent technology of IR lamps placed on both fabric sides: with the possibility of managing lamps power, this system allows you to work with a wide range of fabrics without affecting the uniformity and the efficiency of the drying process. In addition, thanks to the technology and the design, this system has great compactness and ease of inspection.

4. FABRIC TENSION OPTIMIZED WITH LOAD CELL

In order to ensure the compactness of the machine and the maximum response speed of the system to the different fabric tension, the easyCOAT light has been equipped with a load cell system to replace the traditional dancing bars. The machine can thus detect the pull in every single phase of the process, by automatically adjusting the motor speed and providing an optimal tension to guarantee an excellent stability of the fabric.

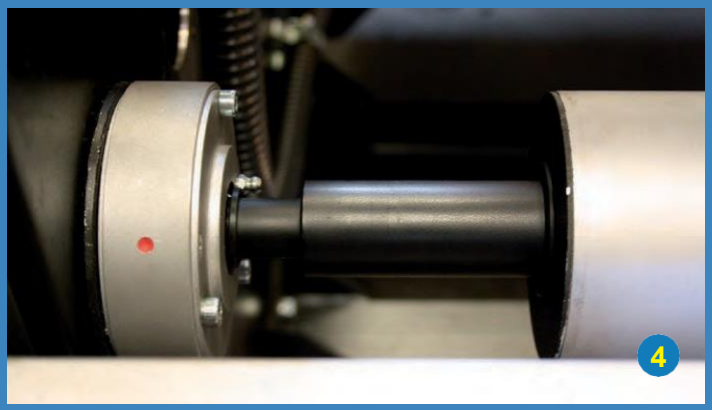
5. WINDING UNIT WITH AUTOMATIC ALIGNMENT

The sophisticated rewinding system of the easyCOAT light is equipped with an automatic centering device, which realigns the carriage installed on the rewinder in real-time: thanks to this system, the roll at the exit of the easyCOAT light is perfectly aligned and tight.











Technical specifications

Main applications
*Pre-treatment and drying of every type of fabric**

Heating technology
Infrared lamps

Padding technology
Soaking basin and squeezing rolls

Fabric width *(Max)*
Mod. 2000: 1.800 mm

Machine size
Mod. 2000: 2350x3110x1200 mm

Machine weight
Mod. 2000: 2500 Kg

User interface
Touchscreen

Power supply
400 V / 50 Hz / 3 ph
480 V / 60 Hz / 3 ph

Speed *(Max)*
4 m/min

* *Compatibility of fabrics and coating fluids, as well as working speeds, are subject to each single customer's requirements.*



easytexlab

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