

BID

COMPLETE WORKING CYCLE:

1. Packages are **winded** on conical or cylindrical perforated dyeing tubes
2. Chemicals and dye-stuff are **mixed and heated** to about 40/50°C in the color kitchen
3. **Dyeing process:** definition of the amount of dyes and chemicals to be injected for the complete distribution and uniformity inside the package
4. Uniformity of printed package is guaranteed both by the **high boost pressure of the hydraulic pump** and by the **suction of the vacuum pump**
5. Placement of packages on special trolleys in a **vacuum steamer** to be **fixed**
6. **Washing** process (soaping)
7. **Drying**

INDUSTRY 4.0

Monitor consumption during the dyeing cycle, and remote assistance to meet the requirements of the industry 4.0

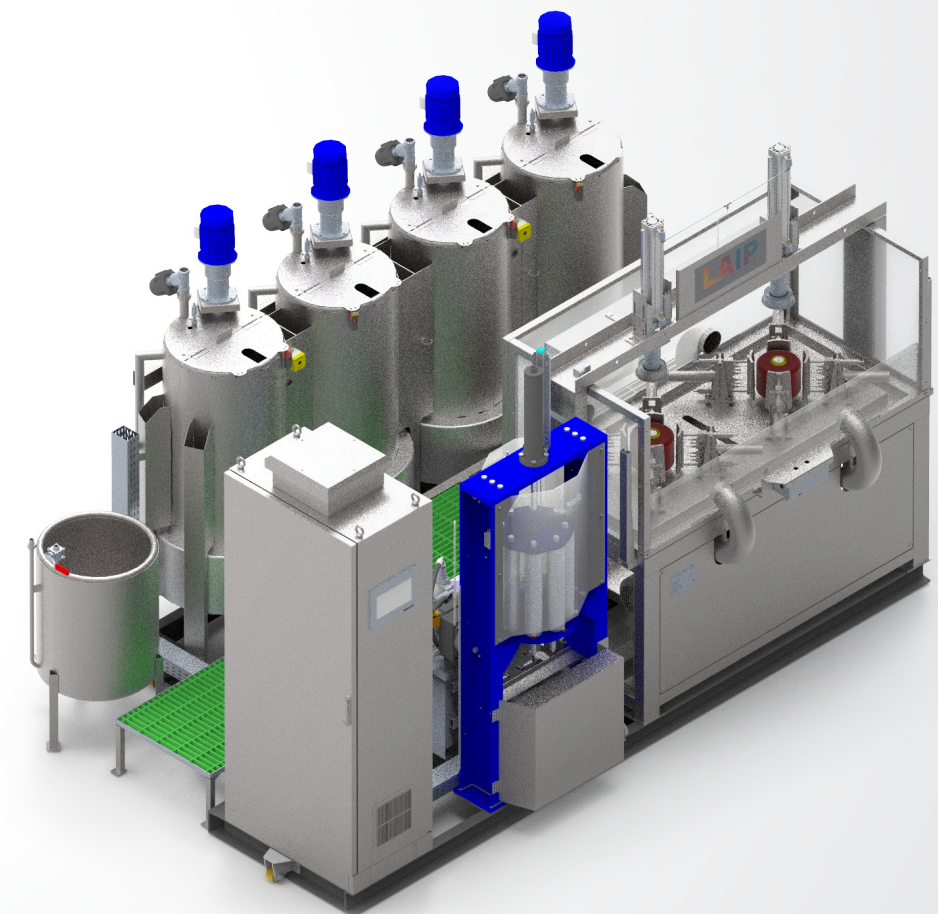
IDEAL TO DYE LARGE BATCHES:

automatic setting guarantees the same effect, from the first to the last bobbin

✓ **PRODUCTIVITY** ✓ **RELIABILITY** ✓ **REPEATABILITY**



BOBBINS INJECTION DYEING SYSTEM



Multicoloured printing
of yarn in bobbins



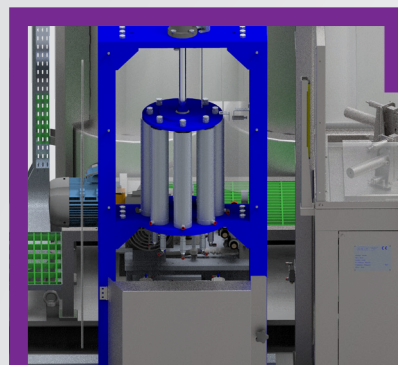
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ACIMIT
ITALIAN TEXTILE MACHINERY

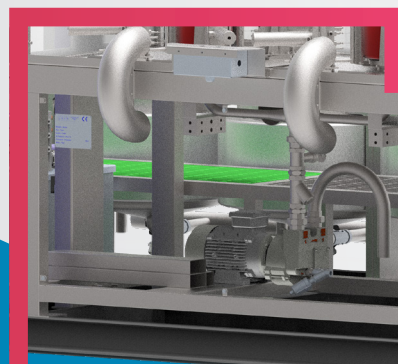
LAIP
Italian Dyeing Technology SINCE 1958

BID



HYDRUALIC PUMPING UNIT

used for dosing the same amount of solution for an excellent repeatability



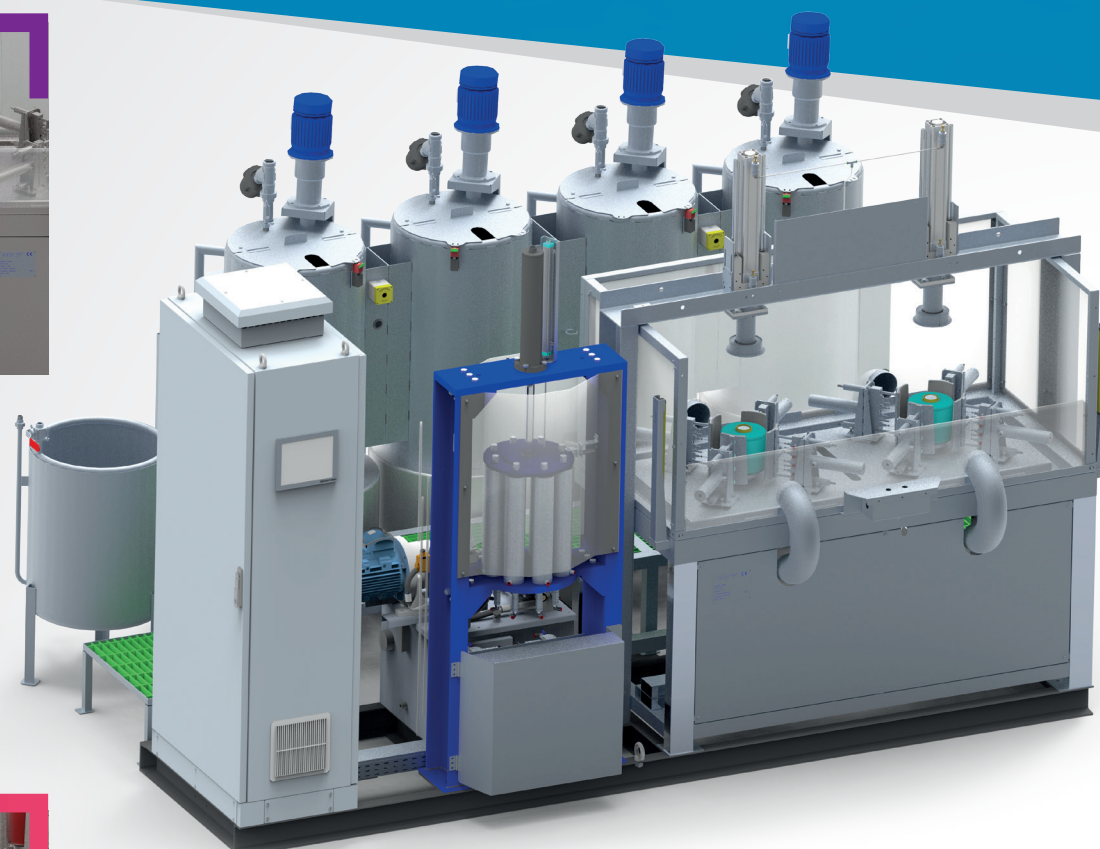
VACUUM PUMP

used to move solution from out to in



COLOUR KITCHEN

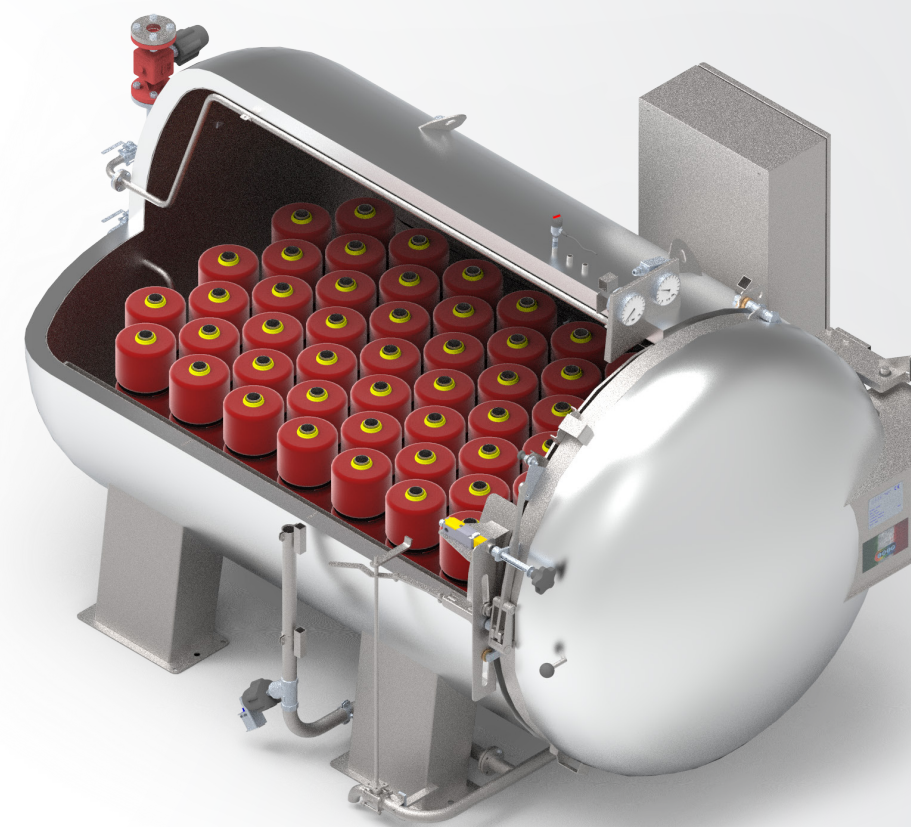
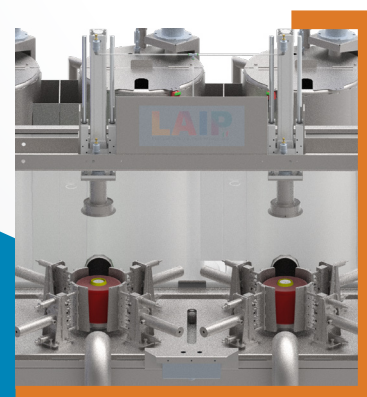
automatic control on every tank to prepare solution



BID MACHINE

PRINTING UNIT

4/6 colours injection by 16/24 needles



STEAMER

Autoclave made in AISI 304 with indirect steam coil to avoid the effect of yellowing on the yarn.

Vacuum pump fed with water.

The machine is designed to work at high temperature and under vacuum.

Safety valve tested to CE PED.

TECHNICAL DATA

<i>Pressure</i>	Atmospheric
<i>Temperature</i>	90 °C
<i>Number heads</i>	from 1 to 2

<i>Number colours</i>	from 4 to 6
<i>Dyeing needles</i>	from 16 to 24

TECHNICAL DATA

<i>Pressure</i>	2,5 bar max
<i>Temperature</i>	135 °C max
<i>Vacuum</i>	-0,7 bar