

CES-CEL

Open rimmed
Centrifugal
Hydroextractor



ces-cel



■ Productive Versatility

This extremely versatile and straightforward machine represents an optimal combination as far as quality, usage and price are concerned. It is a hydro extractor with fixed basket, which being open-rimmed is able to receive moveable containers and elastic containers for the treatment of yarn in whatever textile form: hanks, cakes, muffs, packages and fabrics.

The particular configuration of the open-rimmed basket makes the loading and unloading operations much easier. It also allows the introduction of a container of the same diameter of the basket, which can be rigged up in different configurations to receive textile products in varied

forms. Inside the hydro extractor model **CES/CEL** it is possible to alternatively place a basket for the drying of socks, a container for ready made garments, packages and other yarn textiles like hanks and cakes, or

a cake of loose fibres. The operating function of loading and unloading of the material is performed outside the hydro extractor using mobile containers which eliminate deadtimes, leading to an increase in productivity.

Safety

The hydro extractor is fitted with a lid with a positive action blocking system which needs to be driven by crane .A mechanical device ensures a perfect closure. The safety of the machine is also guaranteed by the presence of devices, which conform to CE guidelines. The machine is fitted with an alarm system to control the vibrations with an emergency arrest in the case of excessive vibrations.

The CES/CEL hydro extractor can be also equipped with Gyrospin: a system of auto equilibration , with the capacity to equilibrate the unbalanced loads dynamically .

■ **Stability and low maintenance**

A strong point which is surely fundamental in a hydroextractor is its stability and resistance to oscillating vibrations.

All the Pozzi machines are characterized by a centre of gravity which is particularly low, and by a specific geometry of suspension which guarantees an extraordinary equilibrium and a long working life. The configurations which has been adopted for the system of lubrication of the machine ensures straightforward usage and the minimum of maintenance.

■ **Motorization for every requirement**

The rotation of the basket, which in the basic version is driven by a hydrostatic clutch, in the model **CES/CEL -AC** is through an inverter and a standard AC motor.

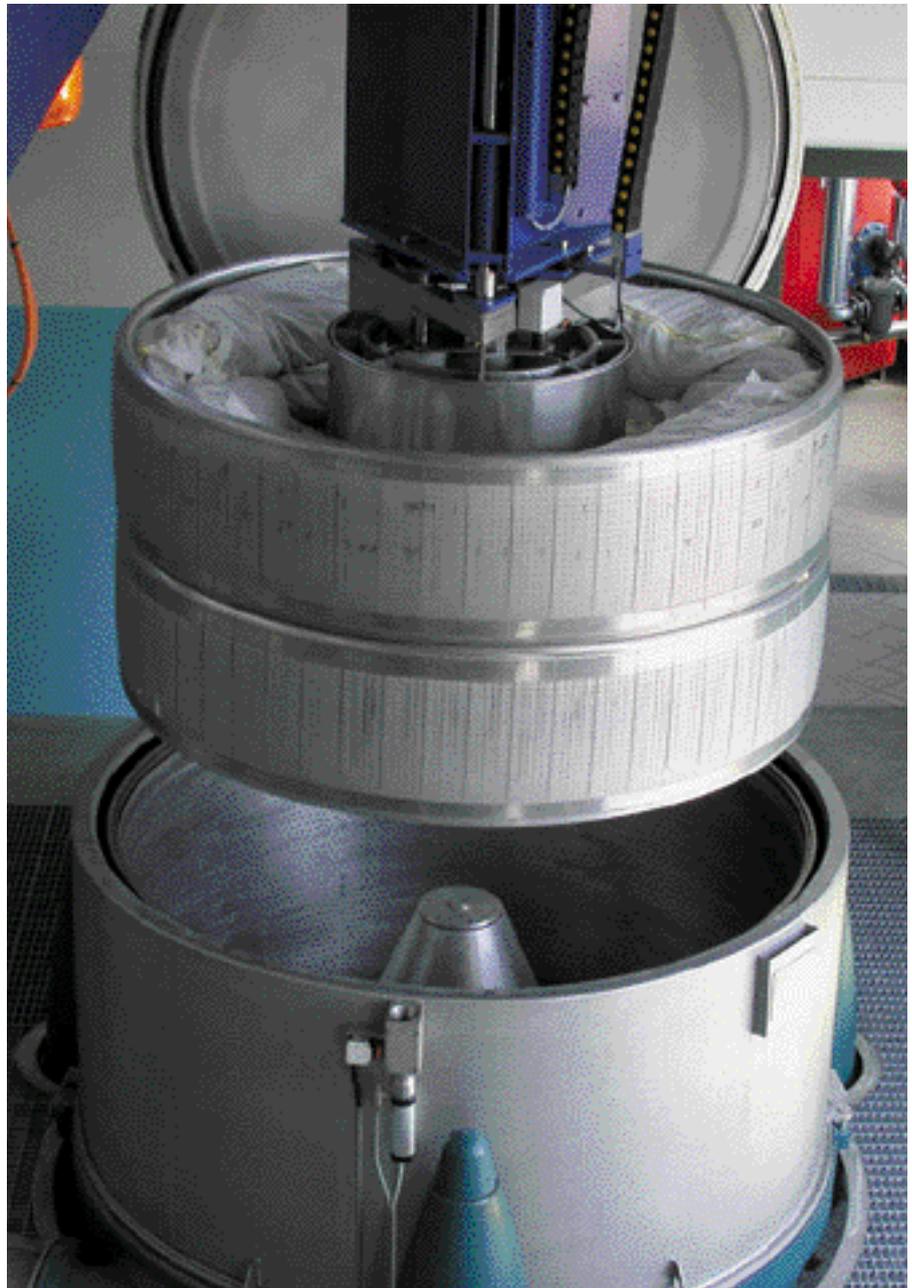
This version not only maintains the operative characteristics of the base model **CES/CEL** unvaried, but is also studied in such a way that it overcomes all the problems deriving from the use of a traditional mechanical transmission.

In fact the inverter ensures that the speed of the rotation of the basket can be varied and pre-selected, excluding at the same time not only the mechanical brake group, but also the clutch joint.

The starting up of the machine, the reaching of the speed which has been pre-selected, the time of hydro extraction and the braking, all take place in a completely automatic sequence.

Moreover the use of the inverter allows the basket to rotate even at low speeds in both directions, in order to make the loading and unloading operations easier.

The inverter model, controlling in a precise way the absorption, allows an unlimited number of starts and braking per hour, thus making the machine



more versatile, more reliable and needing the minimum of maintenance.

The machine is available also in the high speed version model **CES/CEL -AV -AC**.

Another option of controlling the machine is through a group of DC motorization. In this case one has the possibility of recovering the energy which is developed in the machine during the braking process. This allows an energy "bonus" and important savings.

Moreover all of our models can be fitted with a system of hydrostatic

transmission. This configuration has its advantages making the machine compatible to difficult work environments, like potentially explosive ones.

■ **Other models**

The line of Pozzi hydro extractors includes also the model ES: a centrifugal hydro extractor for processing textile products in whatever form, it is therefore particularly suitable for small production. While the model EO is suited for laboratories and sampling.



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