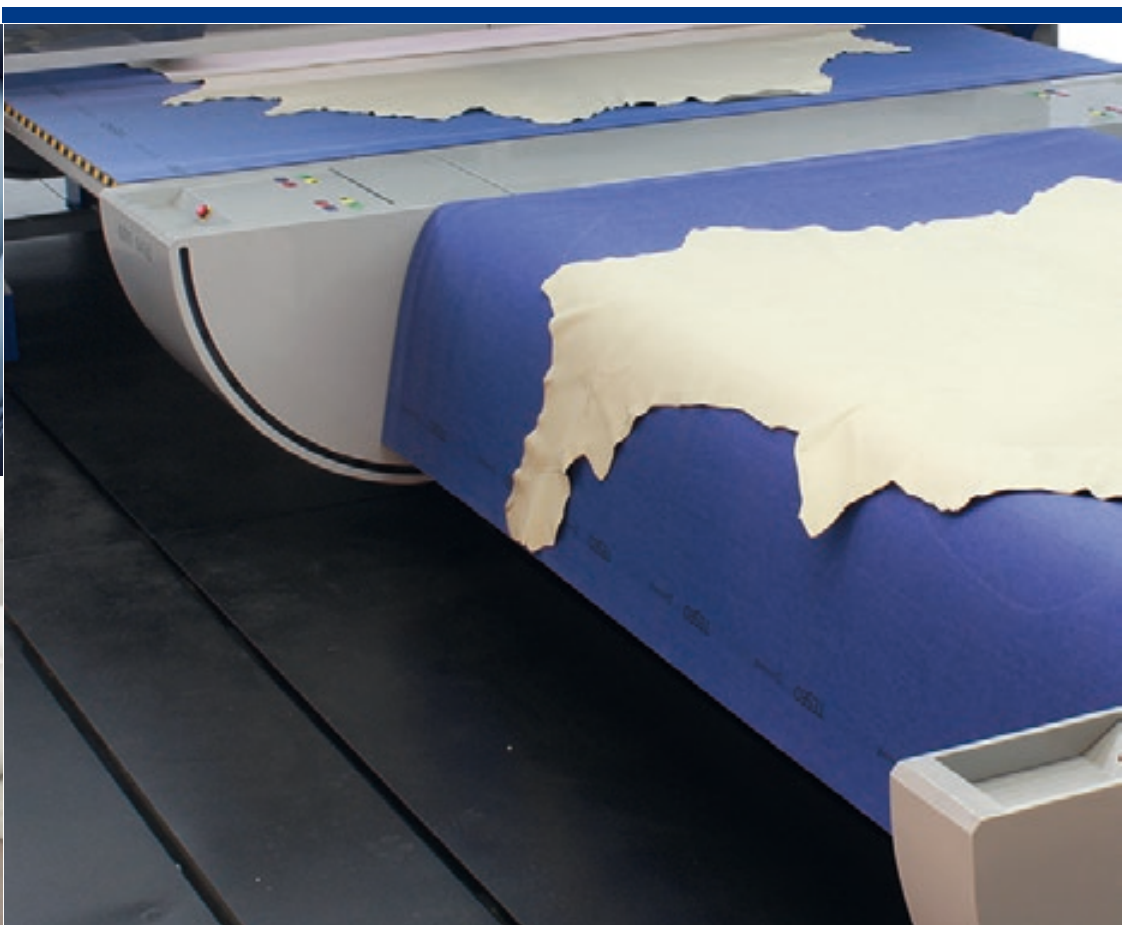
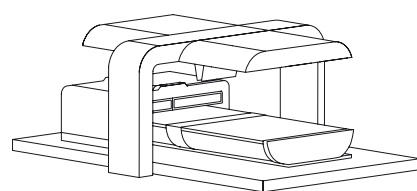


AUTOMOTIVE
FURNITURE

EOS

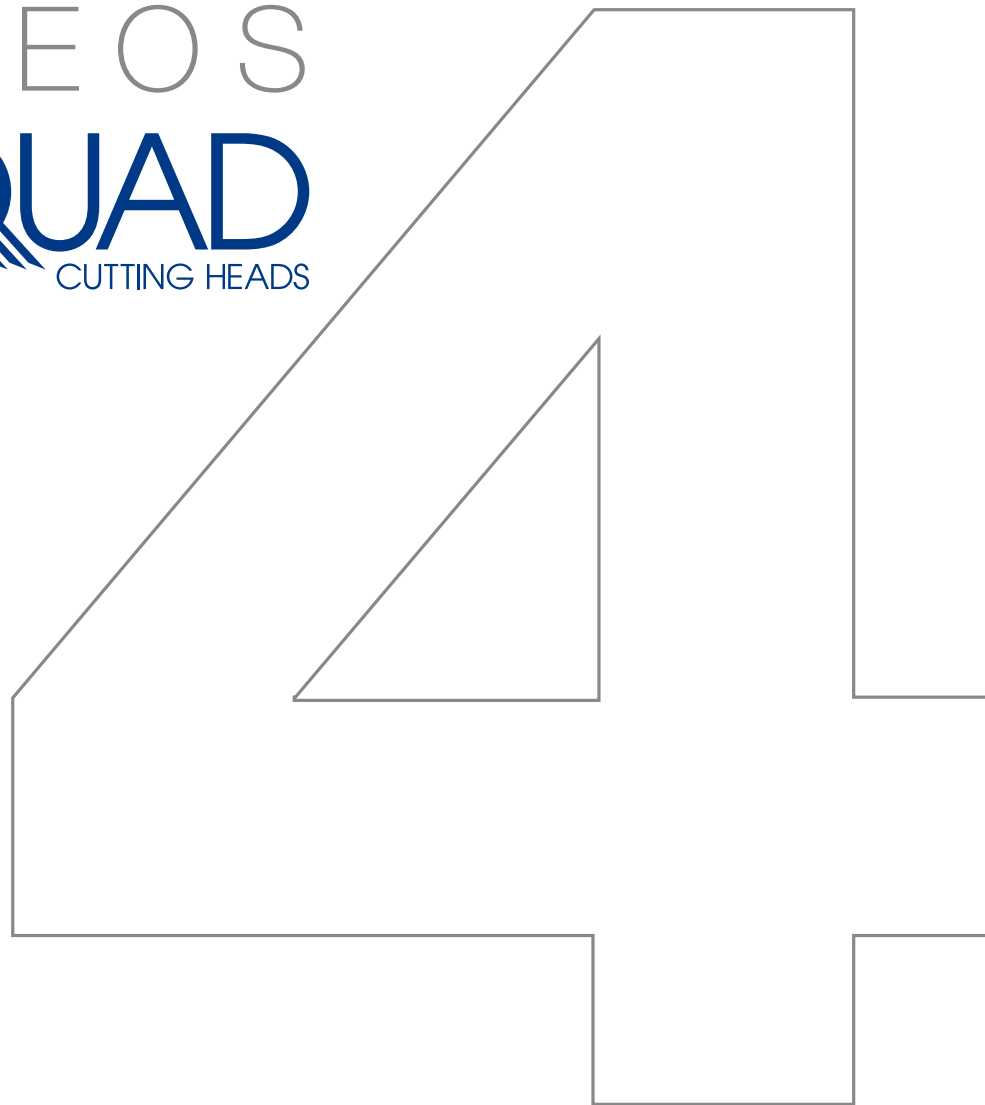


THE BEST
SOLUTION FOR
FULL HIDES
CUTTING



TESEO

OPTIMIZEYOURBUSINESS



CUTTING
HEADS



THE **HIGHEST** PRODUCTIVITY EVER

The secret is not just adding cutting heads but be able to make them work synergistically.

In 2006 TESEO introduces the first machine with **3** cutting heads which, thanks to an innovative software, manages the individual units in a continuous manner and without interference even in the same area of the leather, increasing the productivity of **40%** compared to the same machine equipped with only **2** cutting heads.

The third head marked a turning point: in this decade, it has evolved and improved thanks to the experience gained with over **4.000** systems installed within the largest companies in the world, in various sectors such as footwear and leather goods, automotive and suite of furniture.



4 HEADS
2':21"
113 m²/h

3 HEADS
2':51"
95 m²/h

2 HEADS
3':45"
74 m²/h

- CUTTING SPEED UP TO 2m/sec
- BRIDGE MOVEMENT SAFE AND FAST (UP TO 1m/sec)



UP TO
6
TOOLS



ALWAYS AVAILABLE IN REAL TIME

The cutting head tool-stand are independent and **always available** (installed in parallel under the cutting head). The choice of the punches to use involves only its activation via software **without waiting**. The tools can be deactivated individually in case of a fault, **without harmful machine downtimes**.

FAULT
TOLERANCE

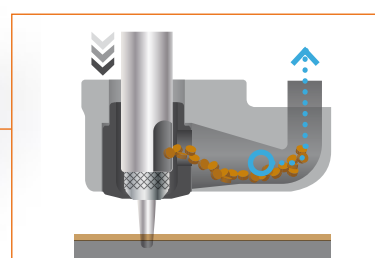
FAST, LIGHTWEIGHT AND QUIET

The TESEO cutting heads are equipped with **single spindles (TESEO patent)** dedicated to punches and punchings. Manufactured with extremely fixed and light materials (only **148 gr**), they are easy to handle as well as reliable. The reduced weight allows a **faster punching and a lower energy consumption**.



PUNCHING WITH SUCTION

Active suction in every cutting head: the shavings are canalized in the specific tank to **keep clean the cutting area every time, also from very thick materials**.



THE BRAND NEW COMPACT CUTTING HEADS

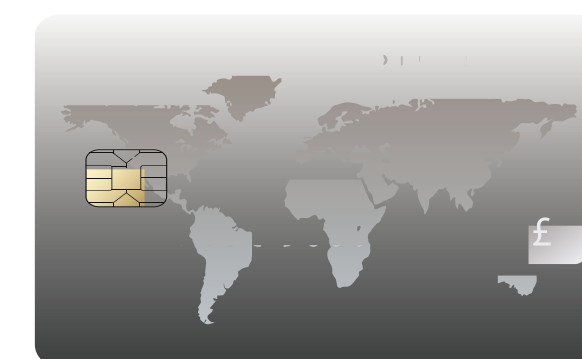
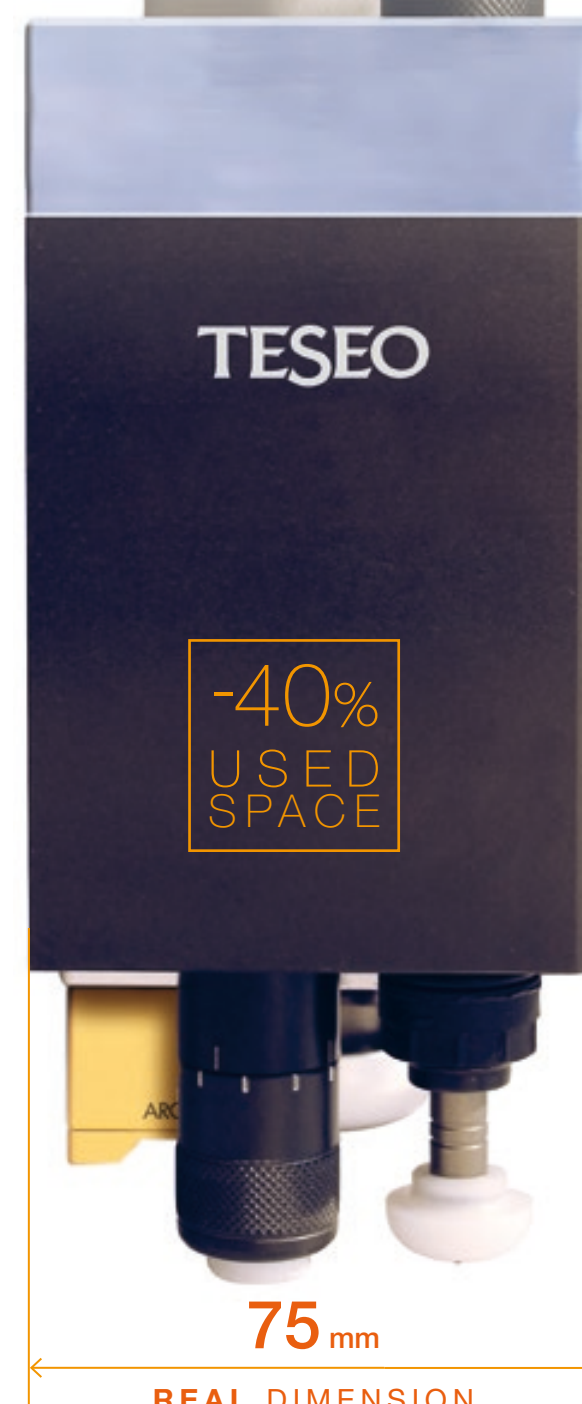
MORE PERFORMANCE IN JUST 7,5 cm

We concentrated the same reliability and performances in just **7.5 cm**.

The willingness to adopt the fourth cutting head has stimulated the search for solutions designed to save space, so that the different heads could better interact. The result is an exceptional head, with **5 tools**, that occupies less space (the **40%**). But not only: the small size and the increased mechanical rigidity, allow this technological jewel a greater dynamism and an improved reliability.

Cutting heads **HSB** (*Hyper Speed Blade*), with a cutting speed over 2m/sec (120m/min).

-40%
USED
SPACE





POWERFUL AND ACCURATE OPTICAL SYSTEMS

IMAGE ACQUISITION OF LEATHER WITH HIGH RESOLUTION CAMERAS AND HD COLOR UP TO 6,000 LUMEN PROJECTION



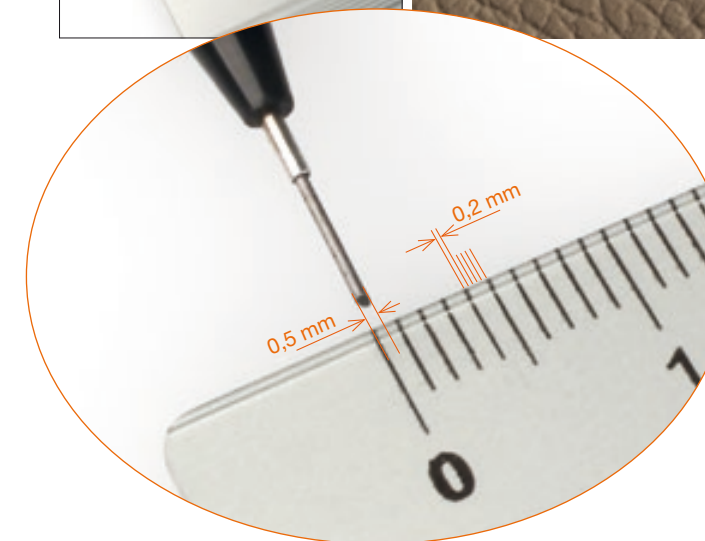
8 high resolution projectors that project the nesting on the shape of the scanned hide. The high brightness of color projection makes it easier to control even in critical lighting environment.

Projectors on the rear of the machine, speed up the collection of the cut pieces by distinguishing colors, sizes text and different items.

8
PROJECTORS
HD

12 professional cameras shooting the entire scanning area and, in real time, the three shots are processed simultaneously by the software into one high resolution image: a resolution never seen till now that allows the recognition of defects and details difficult to distinguish even to the human eye.

12
HIGH
RESOLUTION
CAMERAS



INCREDIBLE RESOLUTION:
the possibility of being able to clearly distinguish details with dimensions of **0.2** mm on a whole surface of the scanning area.

Just imagine a millimeter divided into five parts: a thickness thinner than the sign of a pen, a pencil or a pin, and manage to detect it on an space of more than **9** mt².

0,2
mm
RESOLUTION



WIRELESS LEATHER DIGITIZER

The exclusive **WiLD system** allows to mark virtually the defects and the different quality areas, without leaving any trace on the leather.



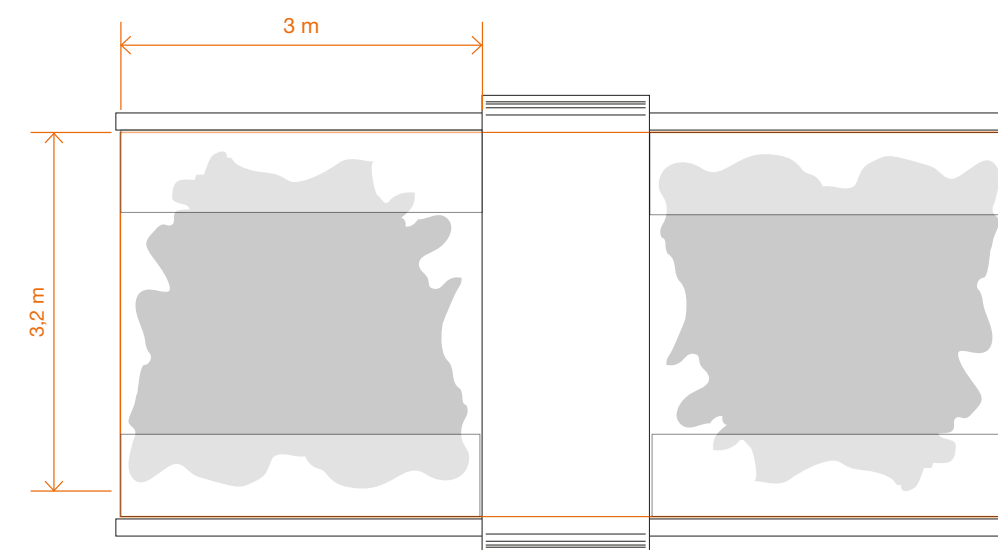
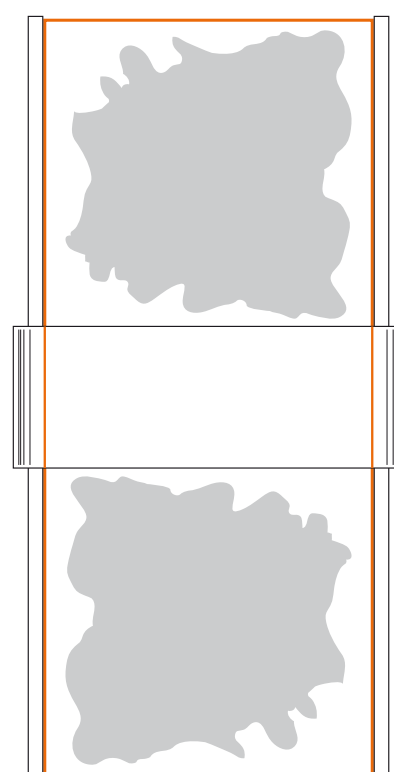
EOS

NON-STOP CUTTING TWO FULL HIDES SIMULTANEOUSLY

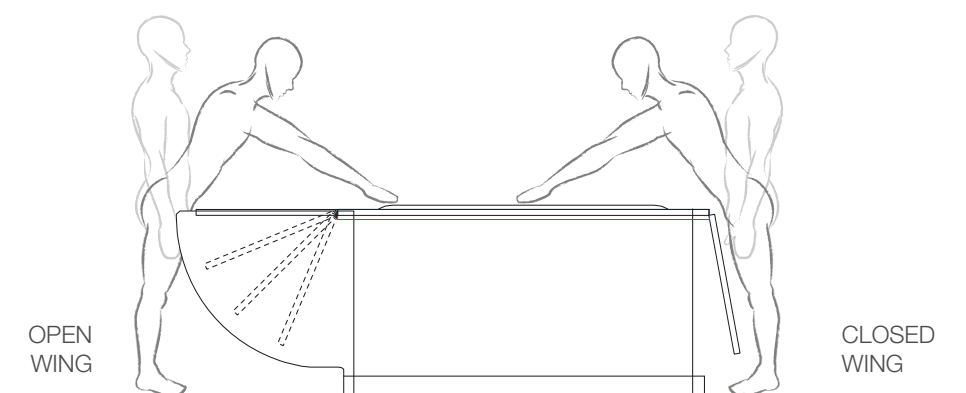
FROM THE CUT COMPONENTS TO THE SIZE, UP TO THE ERGONOMIC INCLINED SURFACES FOR LOADING AND DISCHARGE: ALL IN EOS IS DESIGNED TO EASILY WORK THE HIDE IN ALL ITS FORMS AND DIMENSIONS

The need to cut even **5** mq wide hides, or more hides at the same time, has led us to design and build appropriate size machines, even if it means going beyond the technical limitations of building materials: surfaces and conveyor that allow a fast and easy processing.

Ergonomics also has its importance, both in terms of safety and productivity: inclined and movable areas are designed precisely to allow easy positioning of the hide and the possibility to inspect it in all its parts.

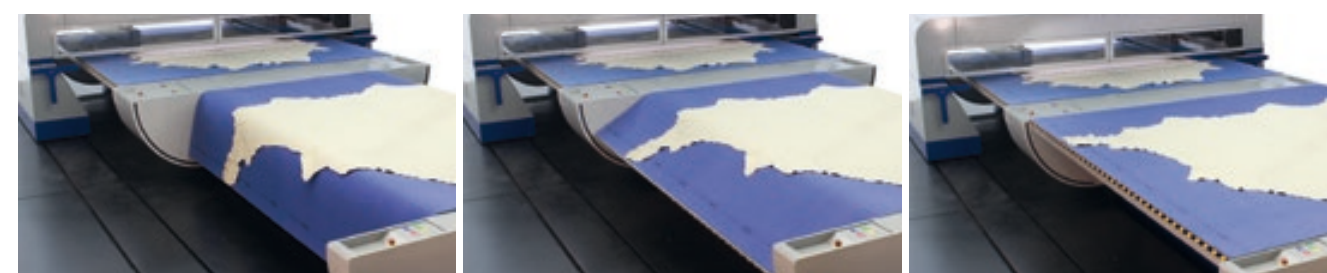


TWO FULL HIDES SIMULTANEOUSLY



WINGED PLANE TECHNOLOGY, PATENT

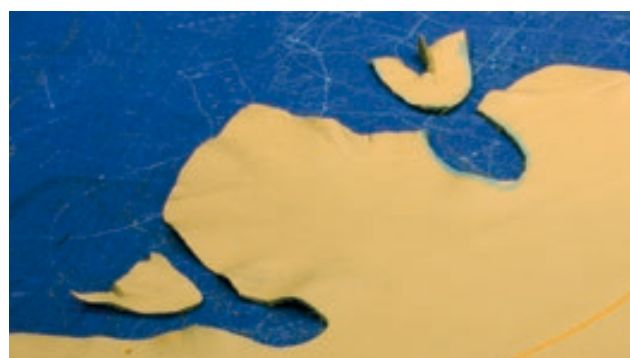
Large in size
but accessible,
on a human scale



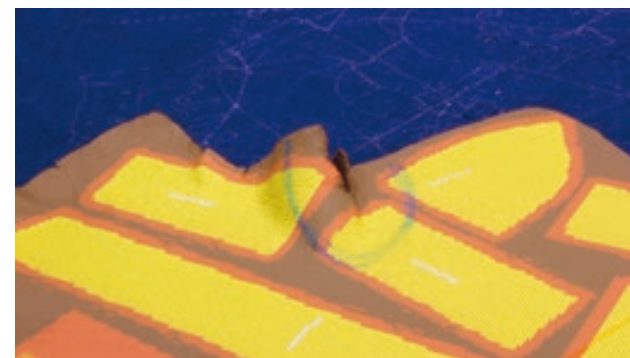
EOS

QUALITY AND SAVING

On a Conveyor machine all the folds must be marked as not usable area and removed because after the carpet moves, the operator has no control of the leather. This causes a loss of usefull area and consequently of yield.

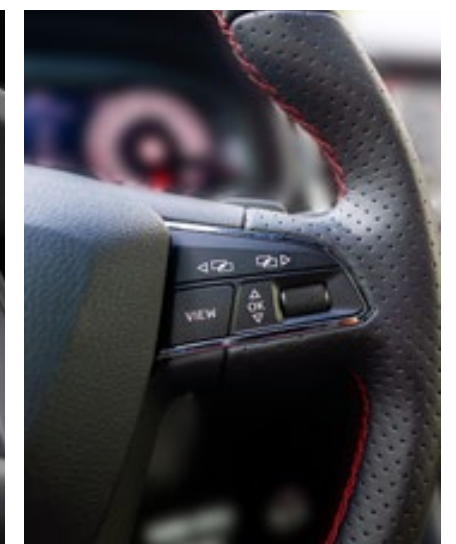
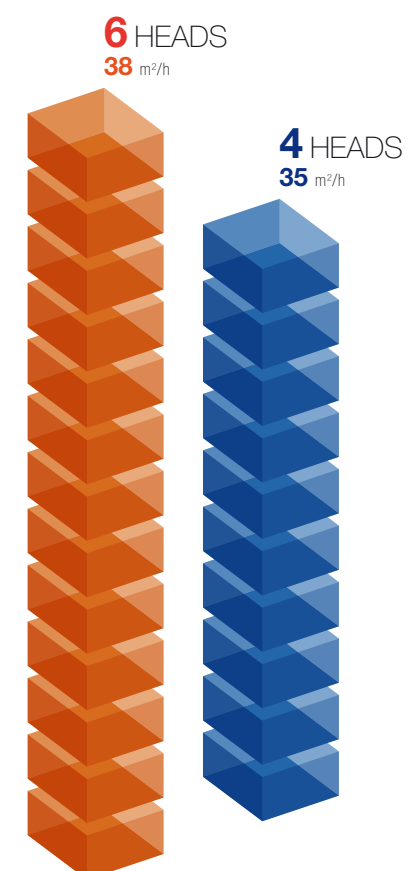


On the EOS, **all the steps are done without moving the leather**. This allows the nesting of the parts also on the folds. After the nesting it's done, thanks to the projection, the wrinkles can be moved out of the parts to avoid any lost pattern and guarantee the highest yield.



CUTTING HEADS
A valuable know-how

that now, thanks to the new technology developed, the miniaturized components and the innovative materials, make, for the first time on the market, the adoption of the sixth cutting head possible. An exclusive to meet the growing production needs and contextual to the required flexibility that the fragmentation of modern markets imposes.





EOS MEETS THE INDUSTRY 4.0 REQUIREMENTS

Every company that operates today faces a common challenge: the need for connectedness and access to real-time insights across processes, partners, products, and people.

Industry 4.0 represents a unique opportunity for an efficient and agile reorganization of production activities focusing on interconnectivity, automation, machine learning and real-time data.

It's about revolutionizing the way your entire business operates and grows. It's about choosing the best technology to **upgrade your business**.

That's where TESEO comes into play.

EOS meets the Industry 4.0 requirements for a SMART factory

SMART PRODUCTION:

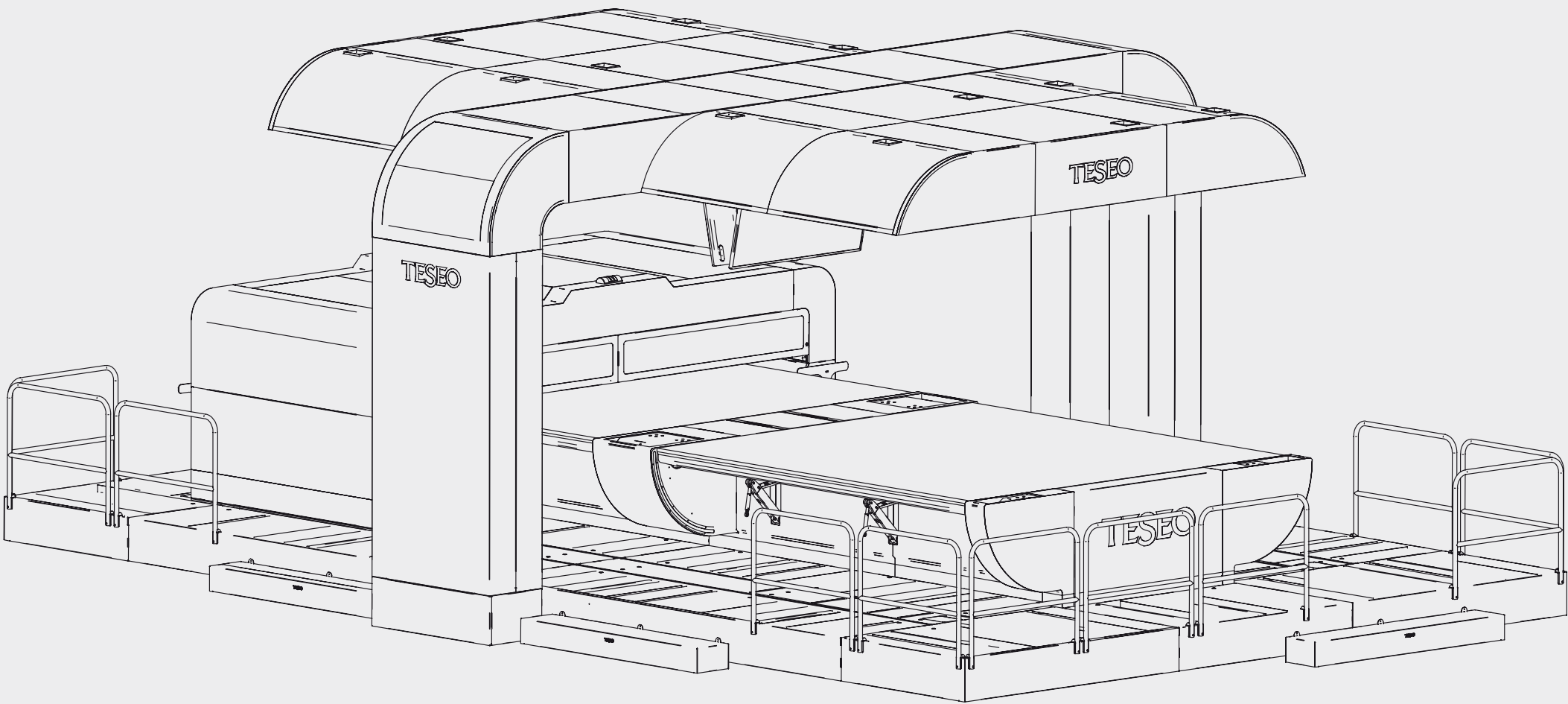
EOS is designed for integration with ERP, planning, design and product development systems. Process data collection, real-time reporting and statistical analysis.

SMART SERVICE:

Remote interaction via NESSO® software to collect operational data and to provide remote support and maintenance through augmented reality technologies (i.e. NESSO®Visual).

SMART ENERGY:

Energy consumption 40% lower than other solutions on the market. High performance as well as security and improved energy saving.



MODEL	EOS 6032 QUAD HEX	
PLANES	2	
WINGS	4	
HEADS	4	6
CUTTING AREA	3200x3000 mm x2	
HIGH RESOLUTION CAMERAS	12	
PROJECTORS	8	
DIMENSIONS	10060 x 6440 x 4190 mm	
SECTORS VACUUM	800	

The technical data shown are indicative. TESEO reserves the right to modify them, without notice, at any time.



PIONEERS AND DREAMERS



ISO

 9001

 14001

 45001

QUALITY GUARANTEED
2 YEARS
THANKS TO OUR
CERTIFICATIONS

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