

OMEGA



MAXIMUM
FLEXIBILITY AND
PRODUCTIVITY
FOR LEATHER

TESEO
OPTIMIZEYOURBUSINESS

OMEGA 6027

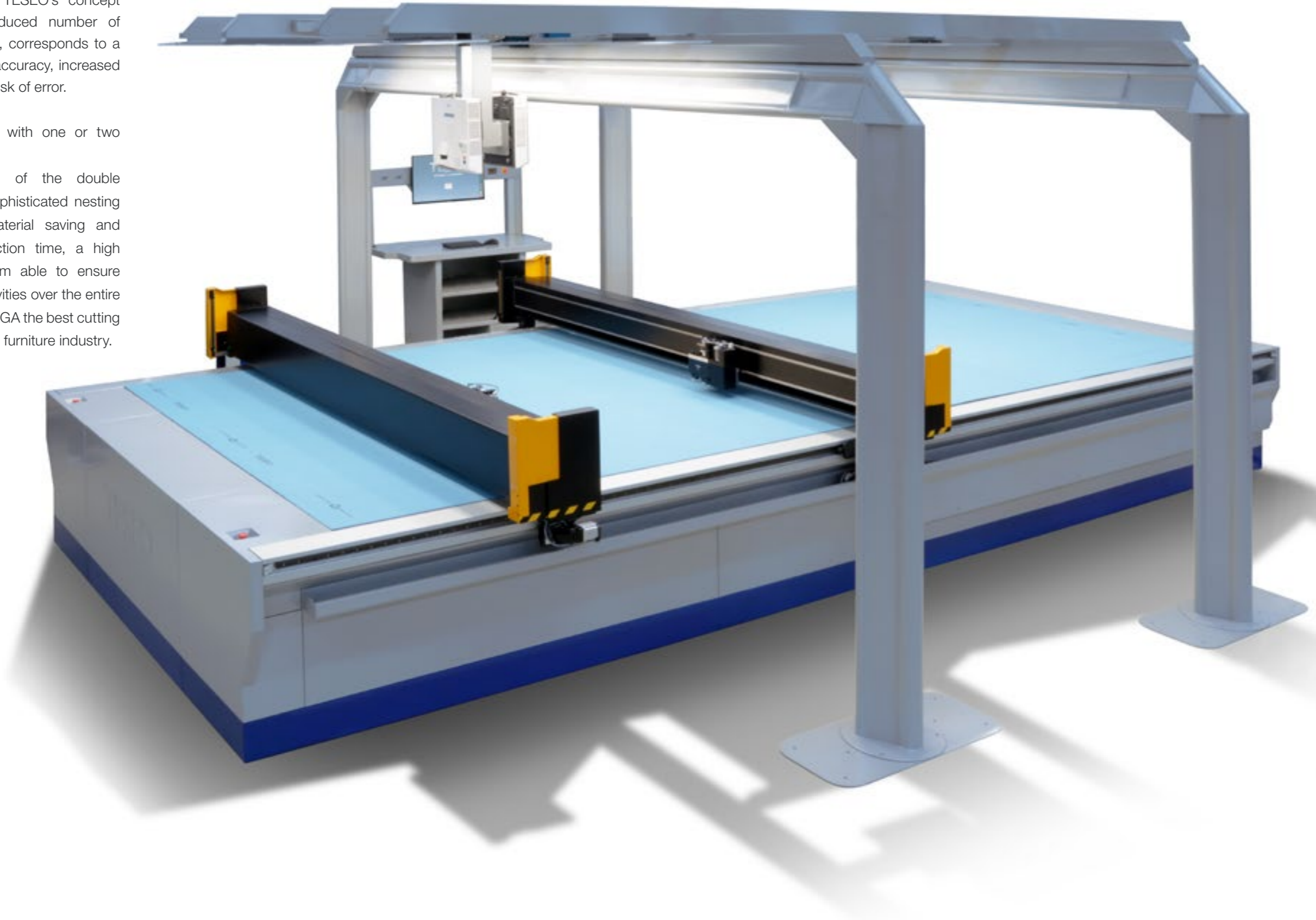
2 UP TO CUTTING HEADS
14 UP TO FULL HIDES PER HOUR

IT REDUCES MOVEMENTS AND INCREASES PRODUCTIVITY

OMEGA interprets exactly TESEO's concept of leather cutting, the reduced number of movements of the materials, corresponds to a higher yield, higher cutting accuracy, increased productivity and a reduced risk of error.

OMEGA can be equipped with one or two cutting heads.

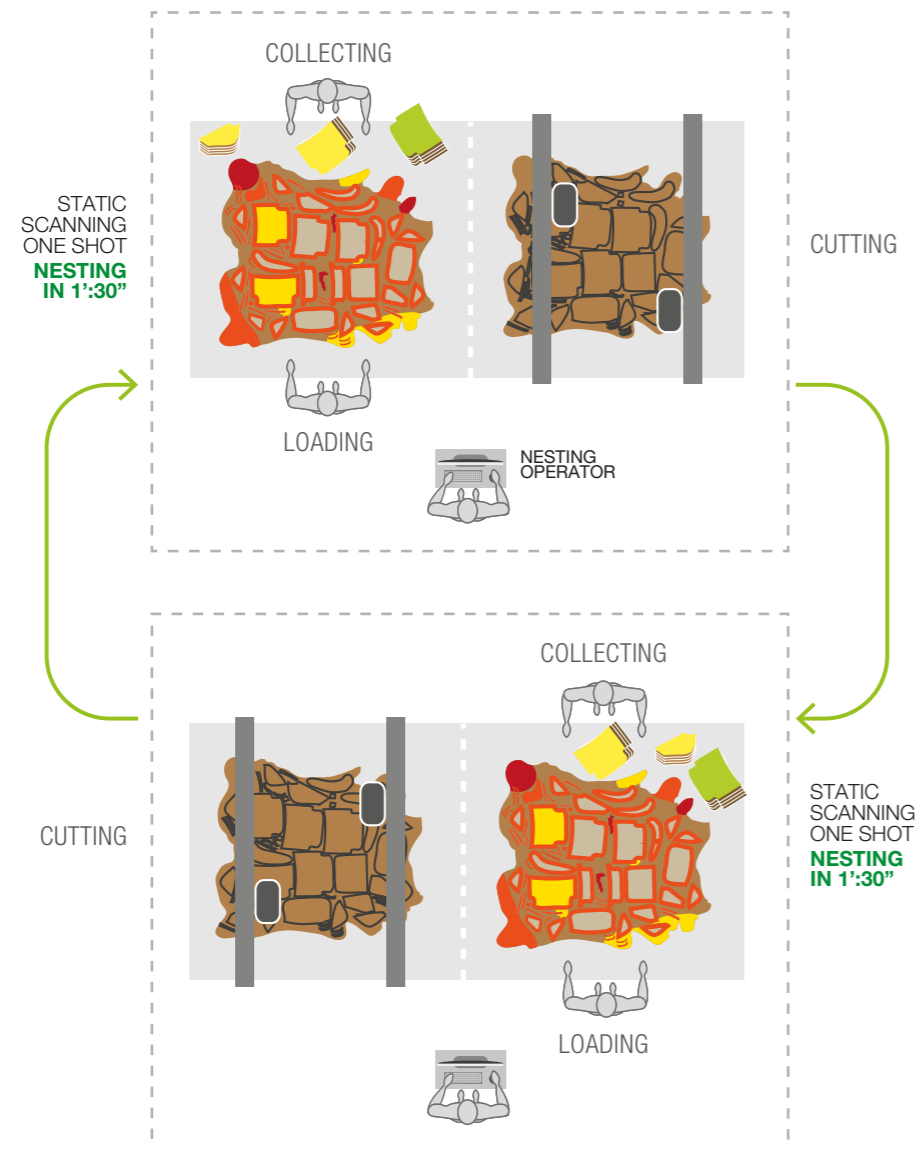
The simultaneous cutting of the double cutting head, the use of sophisticated nesting tools oriented towards material saving and optimization of the production time, a high brightness projection system able to ensure clear and fast collection activities over the entire working area, make the OMEGA the best cutting system on the market for the furniture industry.



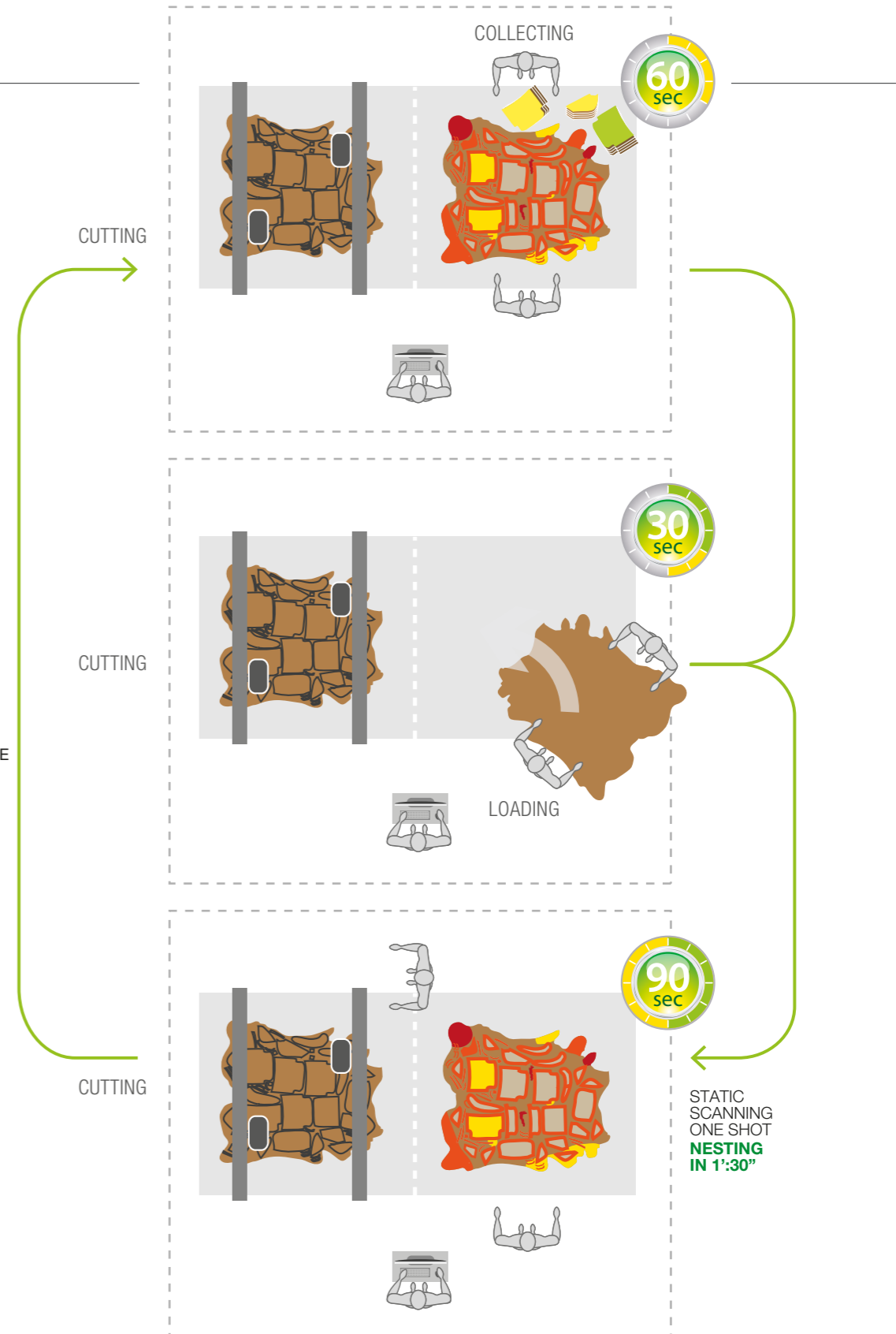
ONE SHOT - SCANNING IN HIGH QUALITY DEFINITION

Automatic Color Scanning of the quality areas with automatic detection of also the smallest defects.

The scanning takes place in only **3"**. During the scanning process the leather is steady on the whole work area, in order to grant a **perfect image quality of the detailed leather grain.**



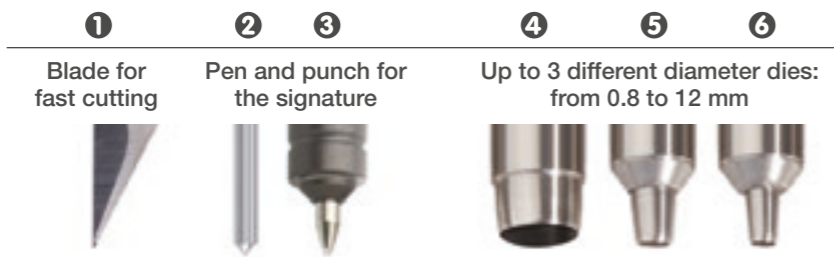
3 min
AVERAGE TIME PER HIDE



As illustrated below, the cutting phase requires an average of 3 minutes for a full hide in the upholstery industry. Thanks to the presence of the two cutting areas, it is possible, during the cutting phase, to collect the processed pieces, position a new hide and perform the scanning and nesting procedures.

OMEGA

SINCE
1993
TESEO
INVENTED
THE FIRST
OSCILLATING
KNIFE
FOR LEATHER



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**.



FAST AND ACCURATE CUTTING ON ALL MATERIALS

- Exclusive pneumatic oscillating knife with high oscillation frequency (up to **50.000 RPM**).
- Low consumption of compressed air of only **95 l/min** (other systems have 270 l/min).

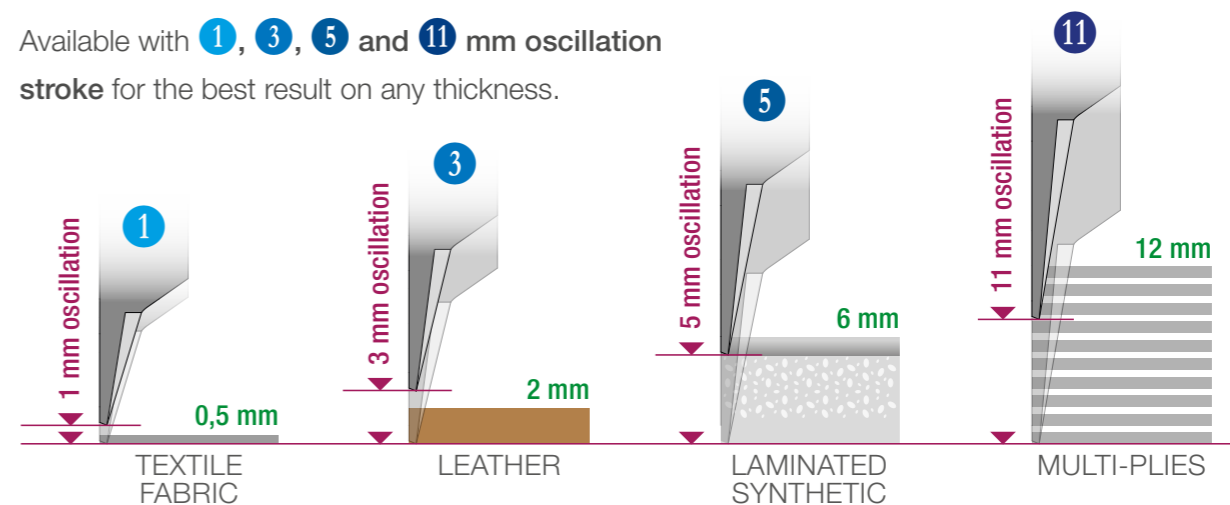


- Time saving



Changing blade or oscillating knife in less than **45 seconds**.

- Available with **1, 3, 5 and 11 mm oscillation stroke** for the best result on any thickness.



OMEGA

VACUUM SYSTEM THE POWER IS IN THE AIR

The vacuum surfaces consist of **independent and dynamic small sectors**. They are led by a software that recognizes the shape of the material and the position of the cutting head. The system automatically activates, with different power, only those areas interested by the cutting operations.

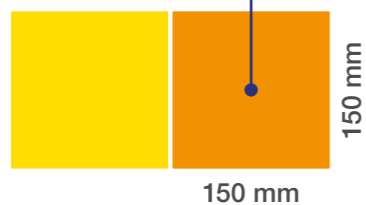
With this **patent TESEO** focuses the suction only where it is really needed, for the highest accuracy and speed.

INTELLIGENT

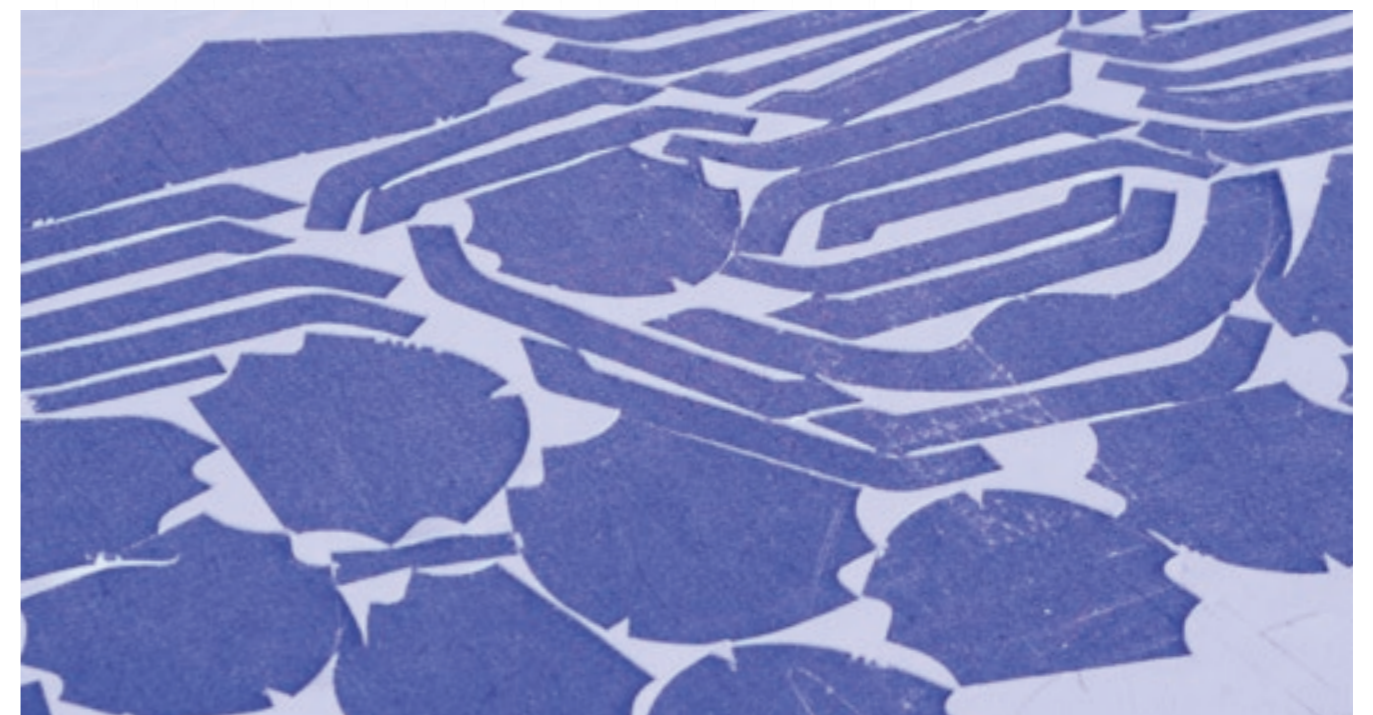
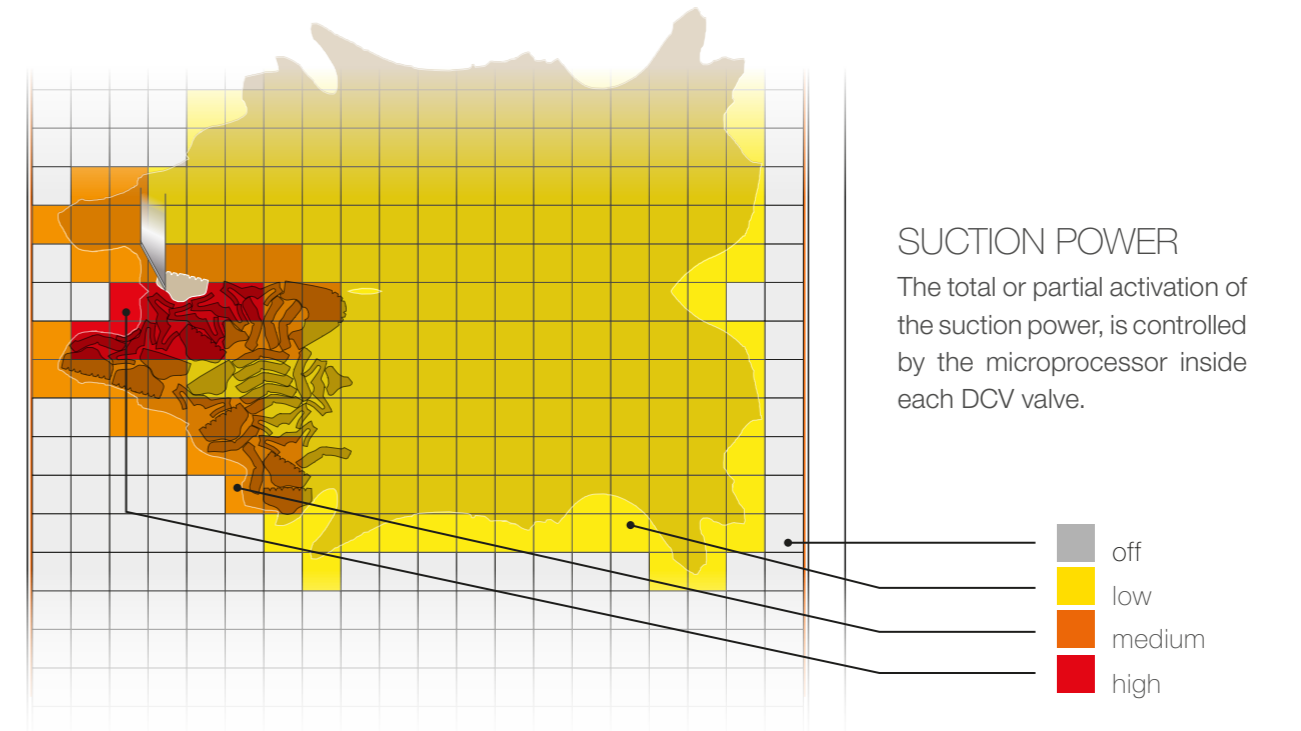
The vacuum system activates **only the necessary sectors and requires** a low consumption vacuum pump (less than 15 Kw), saving up to **40%** of energy compared to all the other solutions.



LOWER SIDE



ONLY IN TESEO SYSTEMS THE VACUUM ALWAYS FOLLOWS THE CUTTING HEAD



- NO PAPER OR FILM NEEDED
- ZERO BUFFER
- LEATHER SAVING

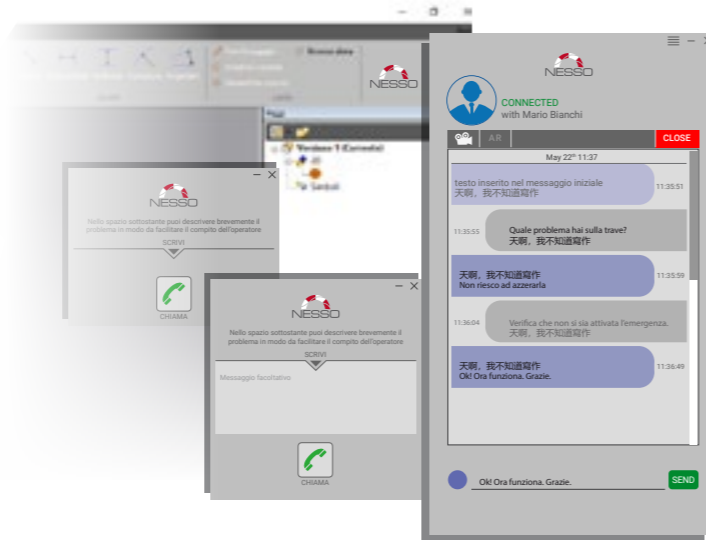
The vacuum, concentrated only in the cutting zone, allows the maximum of the performance **without having to use plastic or paper film** to keep the pieces blocked. The ability to cut up to the edges and to \emptyset mm between one piece and another, allows a further **considerable saving of material**.

SUPPORT SERVICE ONE-TO-ONE DIRECTLY ON YOUR SYSTEM

Through our branches all over the world, **NESSO grants a REMOTE technical support in real time**, by avoiding any production stop. A solution to any problem or just a fast reply to a possible doubt.

DIRECT REMOTE CONTROL ONLY WHEN YOU NEED IN JUST 3 CLICK

- 1 Support request.
- 2 Connecting with TESEO support.
- 3 With your consent, a TESEO technician will operate directly on your equipment, even at thousands of miles of distance.

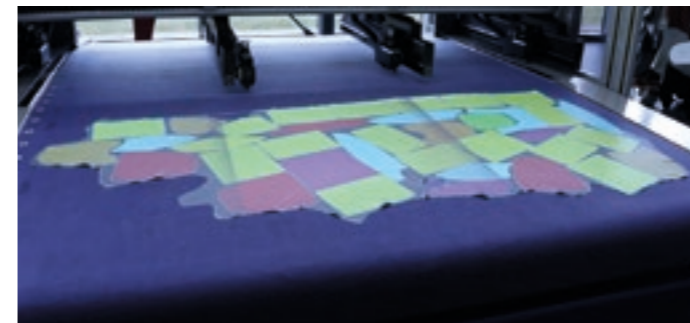


SUPPORT SERVICE AVAILABLE IN...
67 COUNTRIES - 10 LANGUAGES



THE MOST EFFICIENT NESTING IN THE WORLD

As the pioneer and inventor of the first automatic nesting software for leather, **since 1998** Teseo algorithms are the most sophisticated and efficient on the market.



METI HAS THE BEST STRATEGY

Sophisticated mathematical algorithms will place the pieces to be cut on the available leather, by optimizing the exploitation of the useful surface of the leather with a saving up to **15%** compared to manual.

SAVING
granted 3% medium 7% up to 15%



MULTI-NESTING SOFTWARE THE BEST POSSIBLE YIELD

To further increase the yield, METI allows you to make a multi-nesting by distributing the patterns of hides simultaneously, enhancing the interlocking and material saving that could not be achieved by working on one hide at a time.



ISO 9001:2015

Certifies the Quality of the company in each of its process, in order to increase the efficacy and efficiency, to ensure a Quality product and obtain the highest level of Customer satisfaction.



ISO 14001:2015

Obtaining Environmental certification means the commitment to limit environmental impact and reduce emissions, encouraging recycling and all the good environmental practices for a sustainable development.



ISO 45001:2018

A company certified according to this international standard adopts an organizational model that ensure Safety and Health at work, allowing employees to operate in the best conditions.

TESEO
OPTIMIZEYOURBUSINESS