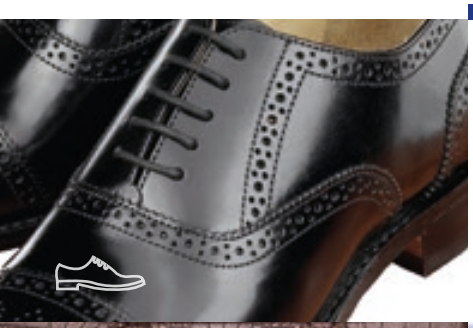
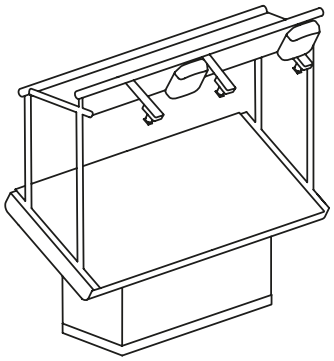
# OFF-BOARD SCANNING AND NESTING STATION




# MOB

**M**ETI **O**FF **B**OARD



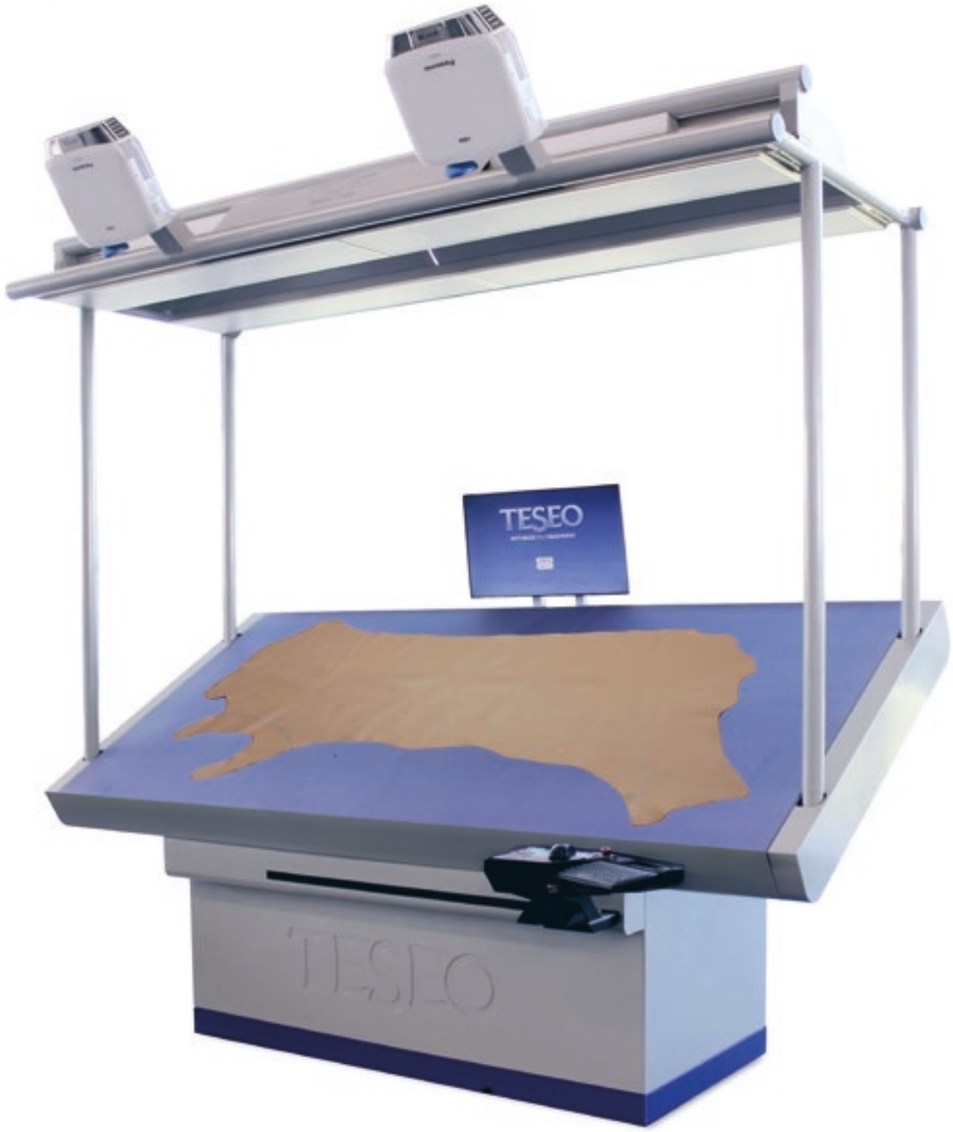
TESEO

OPTIMIZEYOURBUSINESS

# MOB **300**

## INSPECTION, SCANNING AND NESTING STATION

Leather inspection and classification table, provided with Meti software, useful for manual or automatic scanning and nesting.



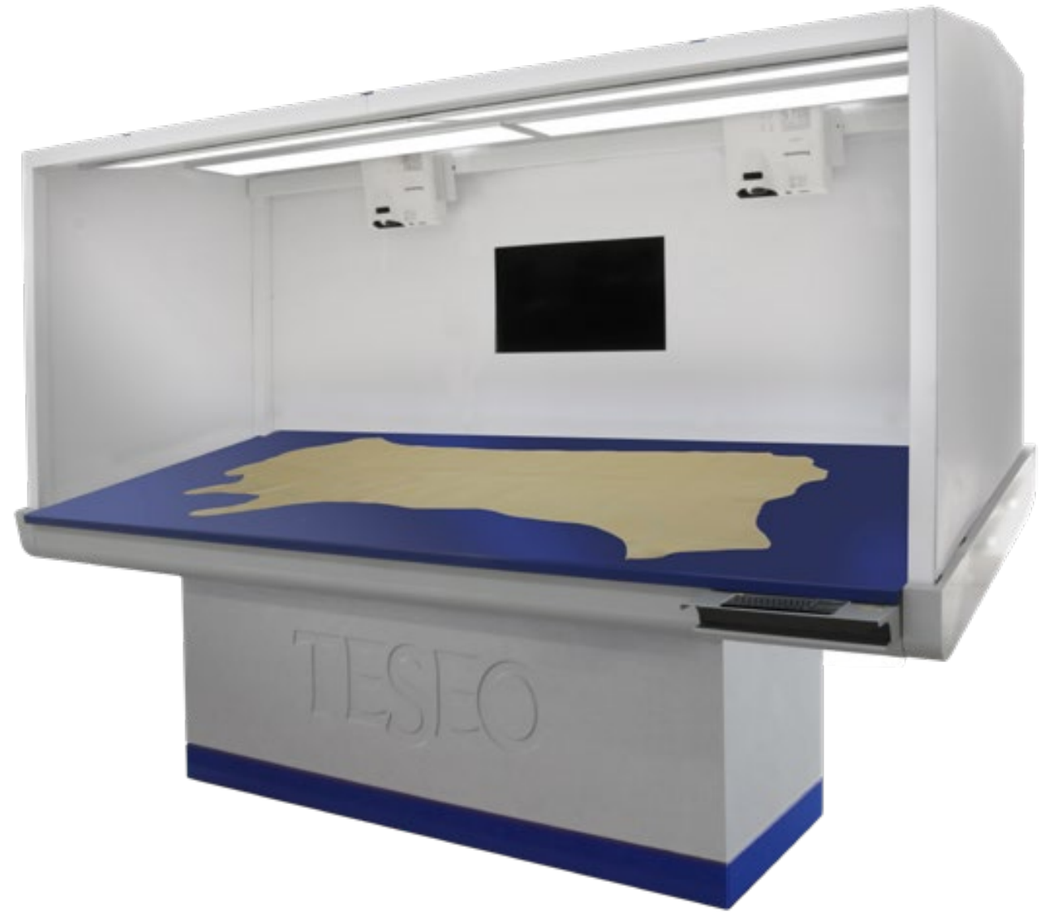

| MODEL | **MOB 300** |
|---|---|
| WORKING AREA | 3000x1200 mm |
| CAMERAS | 4 |
| PROJECTORS | 2 |
| DIMENSIONS | 3170 x 2860 x 1740 mm |

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

METI
THE MOST EFFICIENT NESTING



# MOB **300 K**

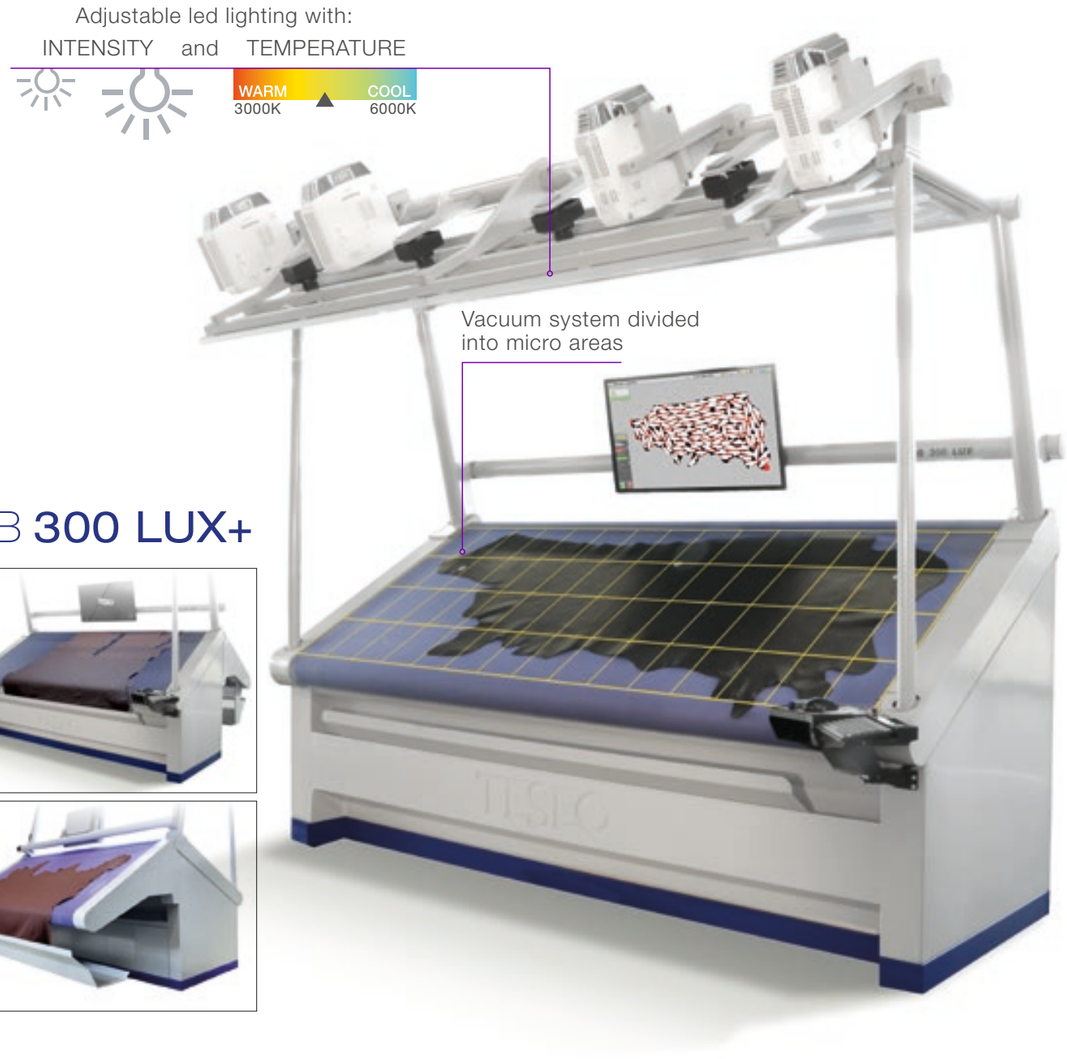



| MODEL | **MOB 300 K** |
|---|---|
| WORKING AREA | 3000x1400 |
| CAMERAS | 6 |
| PROJECTORS | 2 |
| DIMENSIONS | 3310 x 2500 x 1740 mm |

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

# MOB **300 LUX**

- Ergonomics: right inclination for a better viewing of the material and a correct working posture;
- Scanning of both small and large hides;
- Identification of quality areas by chalk, water pen or WOP electronic pen;
- Possibility to work with double WOP pen;
- Full view of the quality and nesting areas;
- Attribution of re-centering points by the use of ROT Integration.




## MOB **300 LUX+**





CONVEYOR DOUBLE
INSPECTION SIDES

Leather inspection and classification table, provided with Meti software, useful for manual or automatic scanning and nesting. 3000x1200 surface, sectorized and with vacuum, conveyor and double inspection sides.

| MODEL | **MOB 300 LUX** | **MOB 300 LUX+** |
|---|---|---|
| WORKING AREA | 3000x1200 | 3000x1200 |
| HIGH RES. CAMERAS | 4 | 4 |
| PROJECTORS | 2 | 2 |
| DIMENSIONS | 3320 x 3030 x 1750 mm | 3770 x 3230 x 2870 mm |

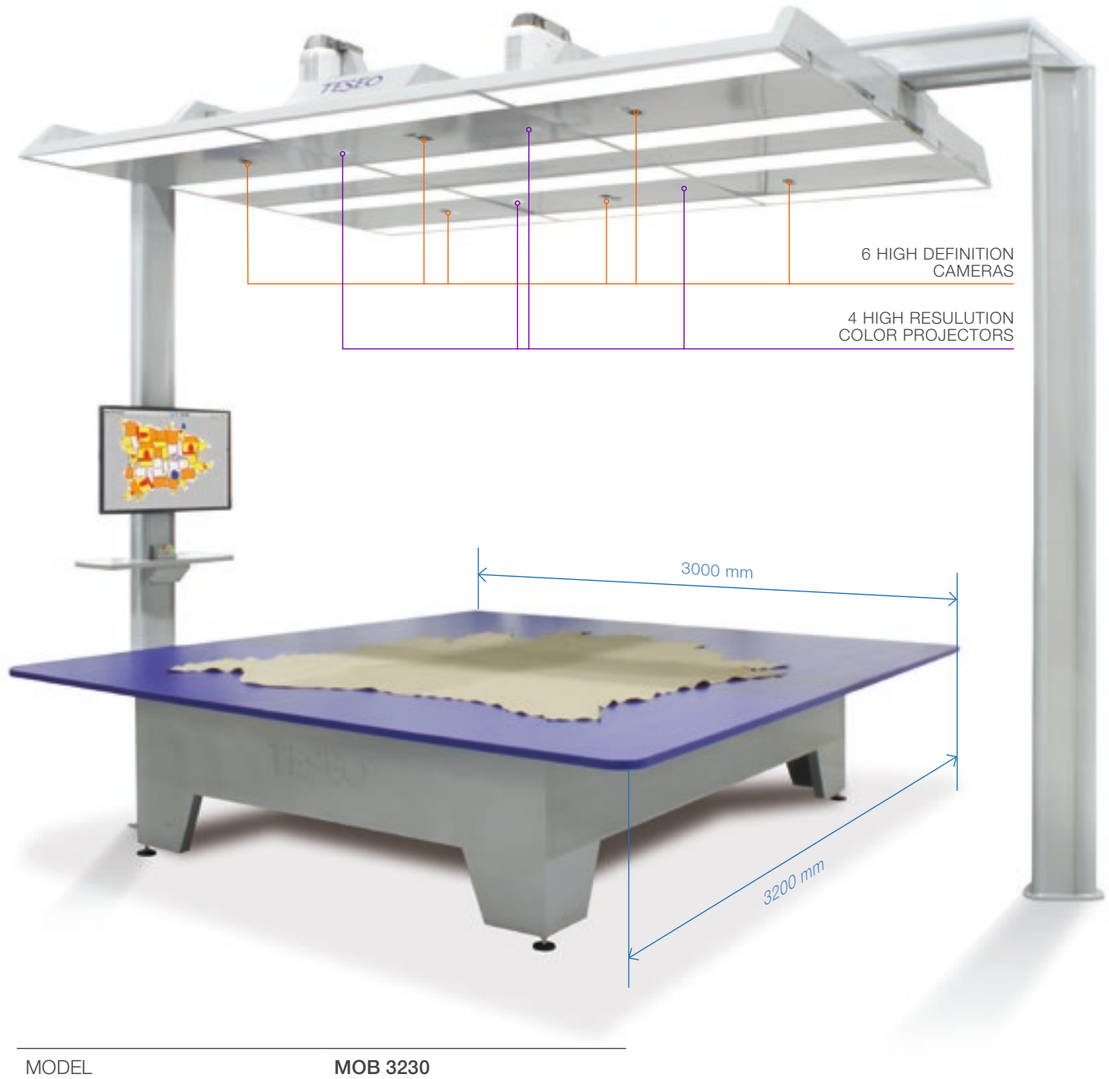
*The technical data shown are indicative. TESEO reserves the right to modify them, without notice, at any time.*



## ADVANCED LEATHER NESTING

# MOB **3230**

Inspection and external nesting table.
The system adopt Meti, the most powerful automatic nesting software.
MOB 3230 acquires high definition images and automatically recognizes the most evident defects and the direction of the hide. It virtually marks the defects and quality areas without leaving any trace on the leather.



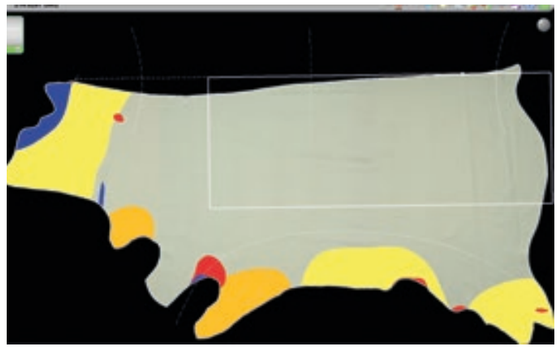

| MODEL | **MOB 3230** |
|---|---|
| WORKING AREA | 3200x3000 mm |
| HIGH RESOLUTION CAMERAS | 6 |
| PROJECTORS | 4 |
| DIMENSIONS | 5210 x 3390 x 3610 mm |

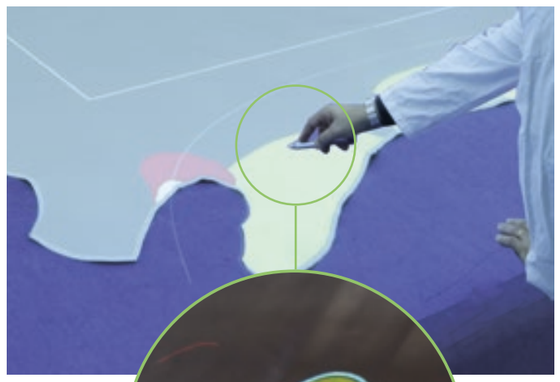
*The technical data shown are indicative. TESEO reserves the right to modify them, without notice, at any time.*

METI
THE MOST
EFFICIENT
NESTING

# SCANNING AND QUALITY CONTROL

The **MHS** system allows to capture the image of the hide and its defects, thanks to the **high resolution cameras**.





The scan takes only **3 seconds**, covers the entire working area and it is stable to ensure a perfect quality of the picture, making visible even the smallest detail of the leather texture.

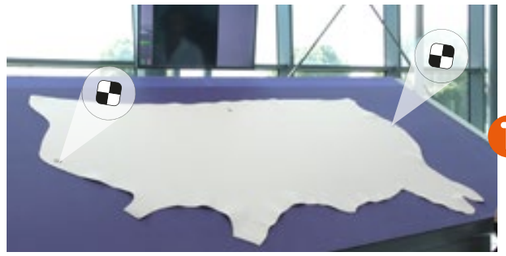
The mark of the quality areas, the direction lines of the leather and every reference traces are shown instantly on the hide, where it will be directly cut.
This ensures the highest accuracy of nesting and the absolute control in each following stage.

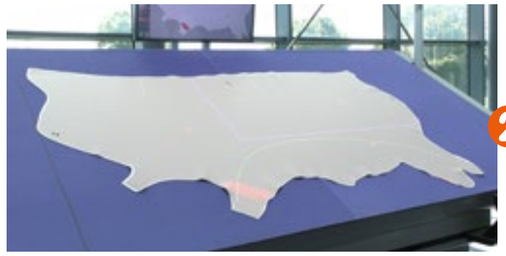
## WIRELESS OPTICAL POINTER

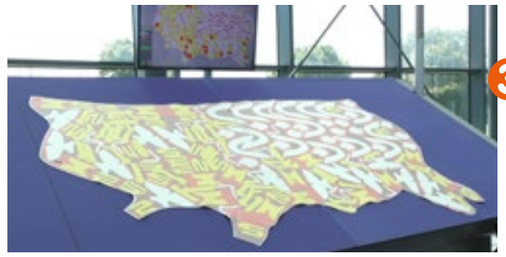
The exclusive **WOP system** allows to mark virtually the defects and the different quality areas, without leaving any trace on the leather.

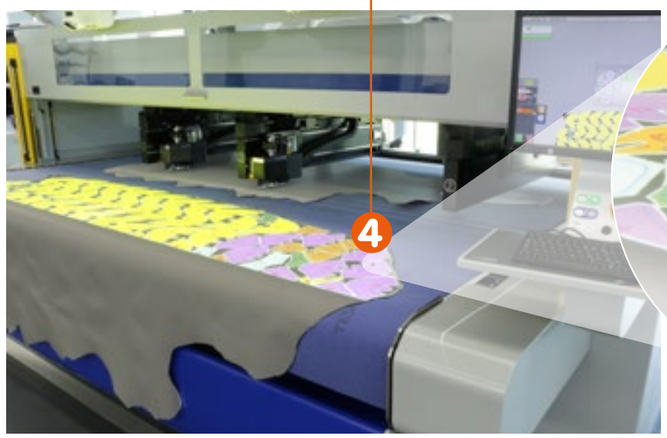
# OFF-BOARD NESTING ON MOB

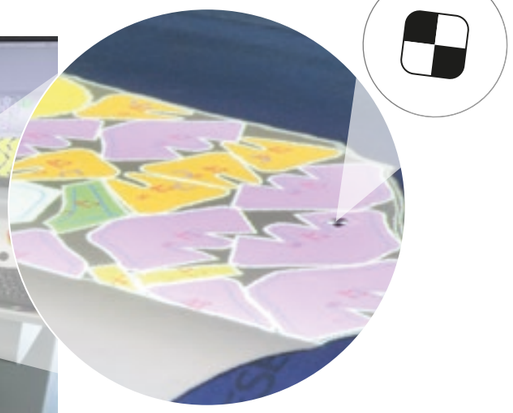
## OFF-BOARD INSPECTION AND NESTING PROCESS











Leather inspection and classification table, provided with Meti software, useful for manual or automatic scanning and nesting.

**ROT** (Reference Optical Tag)

**1. ROT POSITIONING**
**2. SCANNING**
**3. NESTING**
The leather is scanned and marked with defects and quality areas. Once the leather is ready, the software performs the automatic nesting.

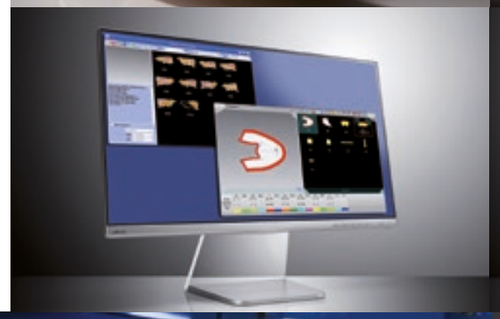
**4. ON-BOARD REPOSITIONING**
The leather now can be automatically re-positioned and cut in any Teseo's cutting machine.

METI

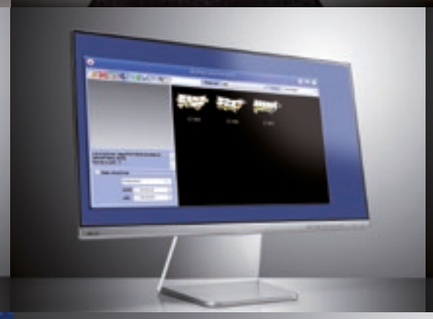
# THE MOST EFFICIENT NESTING IN THE WORLD

As pioneer and inventor of the first automatic nesting for leather, since 1996 Teseo's algorithms are the most sophisticated and efficient on the market.

Shoes

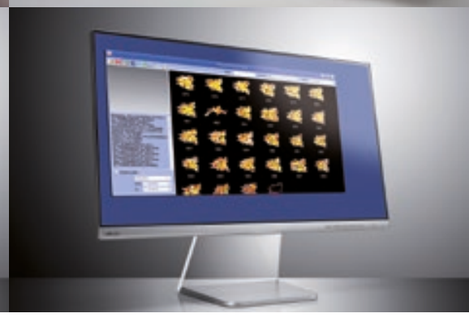


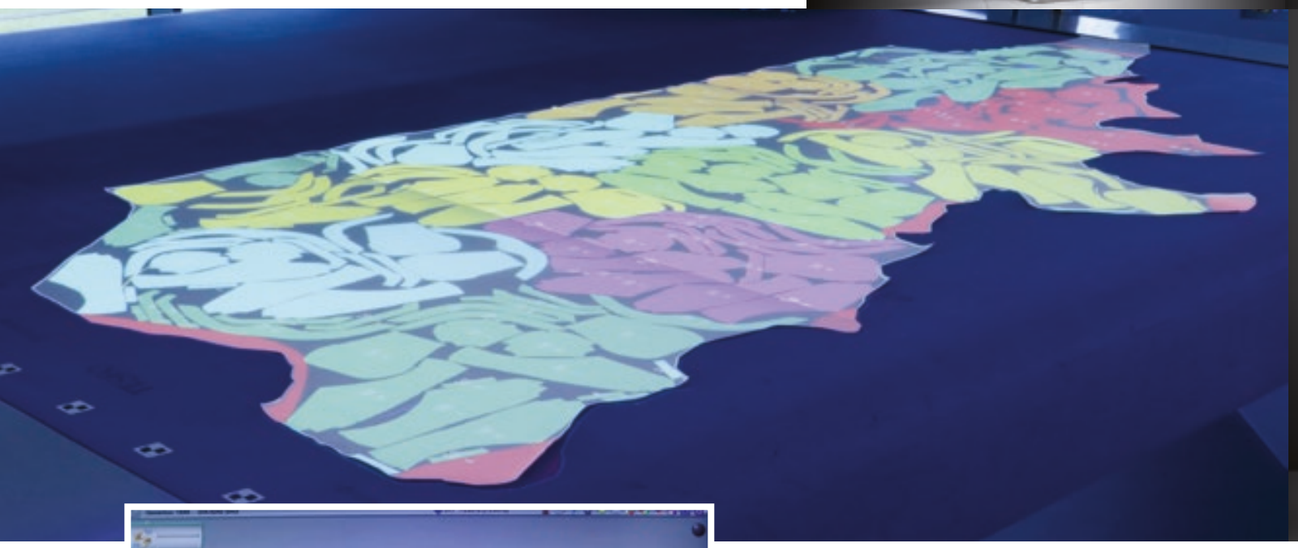
Leather Goods

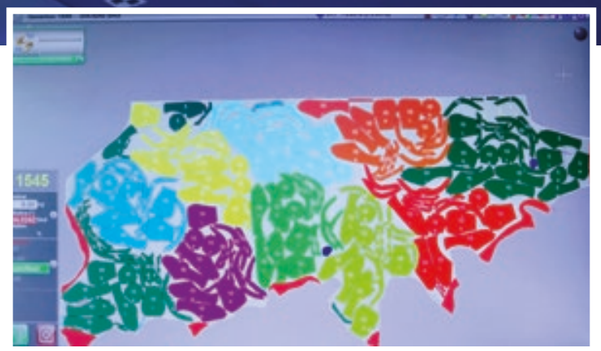


Automotive

Furniture







granted 3% medium 7% up to 15%

## **METI** HAS THE BEST STRATEGY

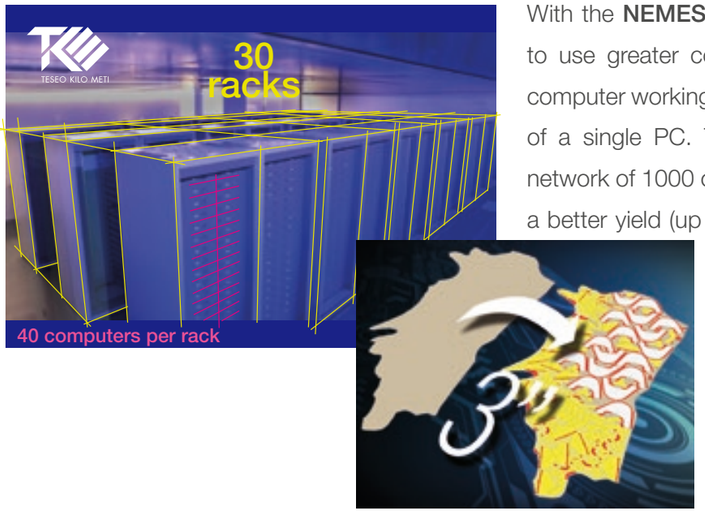
Sophisticated mathematical algorithms will place the pieces to be cut on the available leather, optimizing the exploitation of the useful surface of the leather with a saving up to **15%**.

## MULTI-NESTING THE BEST POSSIBLE YIELD

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

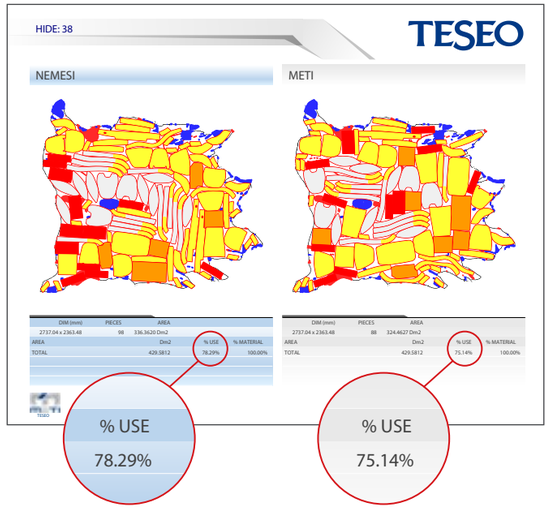
Once the placements have been processed, the hides are distributed to the different TESEO cutting systems.

# AUTOMATIC LEATHER NESTING WITH **TESEO** CLOUD SYSTEM




With the **NEMESI** service TESEO gives the possibility to use greater computing power, with 64 dedicated computer working simultaneously, instead of the power of a single PC. The customer connects to **TKM**, a network of 1000 online computers in our **HQ**, to obtain a better yield (up to 3%), a **more efficient and faster nesting**, so you can nest a full hide in **less than 3 secs** (instead of 60 secs).

## EFFICIENCY = SAVING




The artificial intelligence of **NeMeSi** and the calculation power of TKM provide yields 3% better compared to the standard METI version.

NeMeSi can achieve yields **8%** better compared to other competitor softwares.

If you use NeMeSi service with cutting systems like EOS, it is possible to obtain an annual saving of **more than € 400,000/year**.

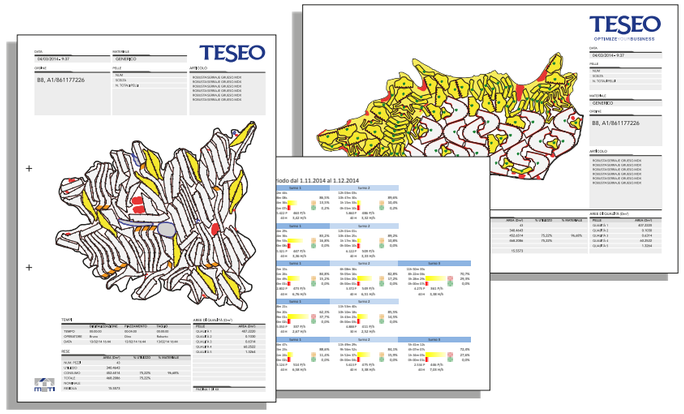
## THE NEURAL NETWORK


In order to elaborate the most efficient way of nesting, **NeMeSi** uses an artificial neural network (**ANN**) consisting of **thousands of independent calculation nodes**. Each of these nodes elaborates a specific area of the leather, they calculate the best position of each piece and they communicate between them in order to optimize and balance the entire nesting.



# MONITORING THE PRODUCTION HAS NEVER BEEN THAT EASY

**RTM (Real Time Monitor)** is an application that, through the intelligent selection of data, allows you to **monitor in real time** the progress of the production on any device you have: computer, smartphone or tablet of any brand and with any operating system.


Detailed and customizable statistics reports, with graphic lay-outs, can be produced and printed after any cutting job is completed.

**OEE reports to keep a constant and efficacious productivity of the cutting equipments.**

# SUPPORT ONE TO ONE DIRECTLY ON YOUR SYSTEM

NESSO
DIRECT REMOTE SUPPORT

We are constantly at our customers' side in more than 67 countries with 10 different languages.

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

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TESEO

ISO

FIRST AND ONLY
MANUFACTURER
OF AUTOCUTTING
SYSTEMS
CERTIFIED

RINA IQNet

ISO **9001**:2015

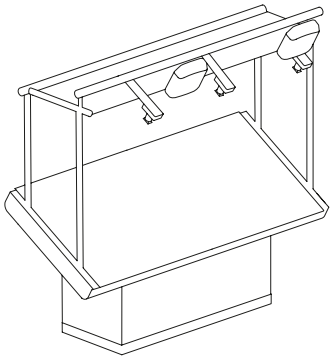
Certifies the Quality of the company in each of its process, in order to increase the efficacy and efficiency, to ensure a Quality product and obtain the highest level of Customer satisfaction.

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.



GUARANTEED
AND CERTIFIED
QUALITY

2 YEARS
WARRANTY

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