

CutVision
Automatic Cutting System

NesStore 34/28

The most efficient
automatic cutting system



Models immediately in production

Extreme production flexibility

Minimum maintenance

No hides repositioning

Best cutting quality

Highest throughput

No dies

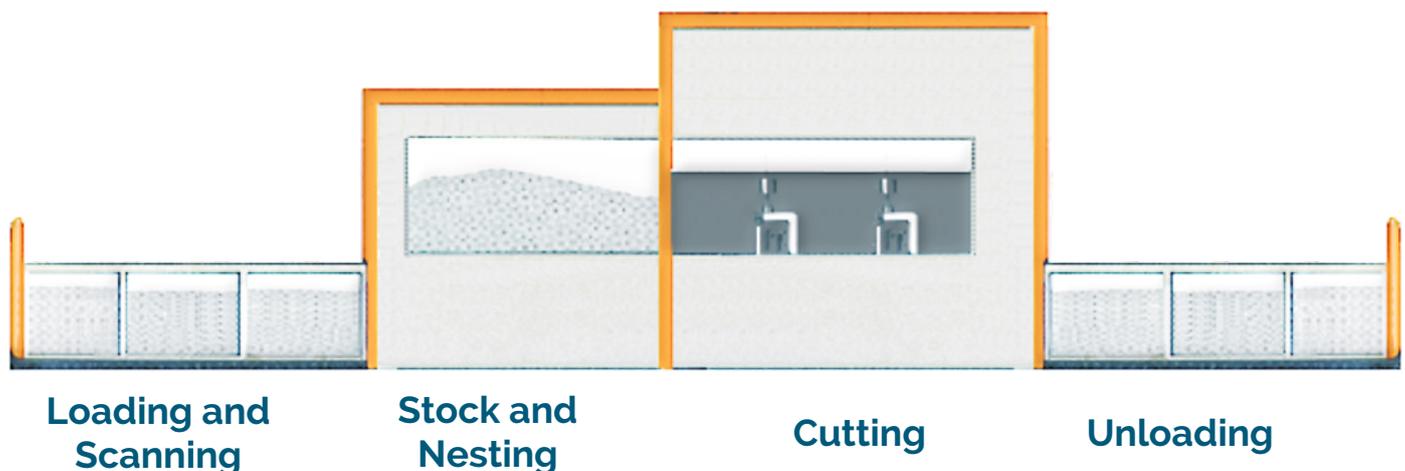
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The most efficient automatic cutting system

CutVision is the brand in which **Taglio** has aimed the market of **natural leather automatic cutting** and **"lightweight" material** (plastic, cardboard, carbon fiber, foam, fiberglass ...) at.

The operating configuration CutVision NesStore allows maximum production flexibility. It is particularly efficient at the cutting of whole hides for furniture and automotive upholstery, using high quality leathers with uniform surface and limited numbers of defects or hides with duly specified defects and quality zones.

At a separate Quality Evaluation Station, quality zones and defects are marked by hand upon the hides. Then, the hides are put into the Loading and Scanning Station, where these are scanned and digitalized. Up to 5 hides are stored at the Stock, where the corresponding On-Line Nesting takes place before the hides come into the Cutting Station. The cuts are then unloaded at the Unloading Station.



Achieve the real Nonstop Production

The production time of this configuration depends on the Cutting Station's timing. The whole System should never stand still. Therefore, all preceding and following steps should be accordingly dimensioned.

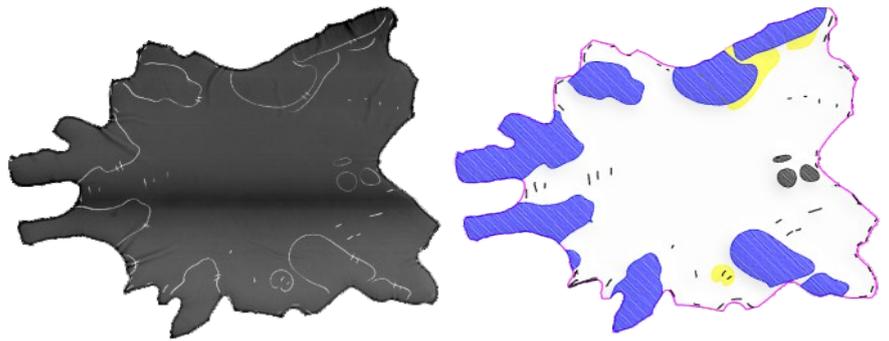
The CutVision NesStore nesting algorithm (digital pattern positioning process), combined with the buffer time created through the Stock, generates a topmost efficient pattern placement scheme, which is faster than the time needed to cut the hides!

The CutVision NesStore working process configuration achieves maximum results in terms of yield and throughput.

The system's extremely high productivity is assured by state of the art technology implemented in the project of mechanics and its motion.

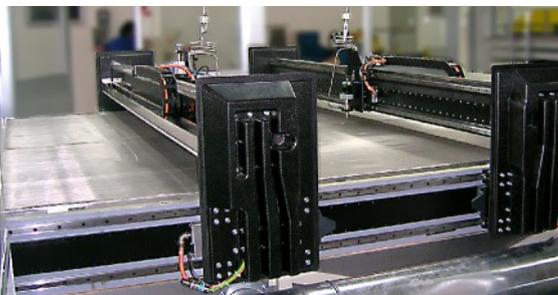
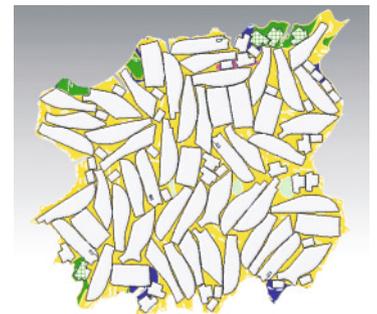
Loading and Scanning

Through a powerful visual data interpretation software, the system is capable of recognizing the marks of individual defects and Quality Zones.



Stock and Nesting

In this area, the hides are temporally stored while the nesting process takes place simultaneously up to five in stock hides. This procedure allows implementing individual optimization strategies. You can expect outstanding yields, Taglio's longtime experience in Nesting Software development assures you that.



Cutting

The system can be equipped with one or two, fully independent, cutting bridges. The choice between both options depends on the pattern complexity for cutting.

For automotive upholstery, for example, it is strongly recommended to make use of two cutting heads, yet for furniture upholstery a single bridge configuration may be sufficient. For pieces marking, laser markers can be attached to the cutting heads.



Unloading

Is the Station where the second operator unloads the cuts and removes the remaining leather.

In order to optimize the working times, it is necessary to dispose of an efficient Production Order Management System. The CutVision Management System's task is to prepare the models for the cutting, importing the designs and converting the various CAD file formats existing on the market. When it receives the corresponding Production Order from the corporate order administration system, it automatically optimizes the working station's supply chain. This way, the system assures that no idle times occur and offers immediate Production Order Insertion.

CutVision is supplied with the CV Gest software package which includes interfaces for all kinds of CAD softwares and takes care of the file management and order preparation for the cutting station. For the corporate administration system's integration, CVGest provides a large range of data exchange formats.

CutVision Gest is able to operate as a stand alone station, as much as it can be implemented in a network of several working stations, data servers and cutting machines.

CV Gest can also be configured to serve as a warehouse management system, offering a very efficient and accurate hide's store administration.

The automatic nesting program is fully integrated in the system. The Result of more than 10 years of research and development, it stands for an outstanding yield.

MODEL	WORKING FRAME	CUTTING HEADS	LASER	Kw
34/28 2W-2L	3400 x 2800	2	2	40
34/28 2W	3400 x 2800	2	-	40

- Cutting speed : 200m/min - Acceleration : 2G
- The entire system is supplied with full one year warranty.

CutVision has been projected for heavy duty work 24 hours a day and seven days a week. All mechanical and electronic components have been carefully selected and dimensioned in order to guarantee an uninterrupted functioning of the system during any production periods.