

CutVision
Automatic Cutting System

Classmanual

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

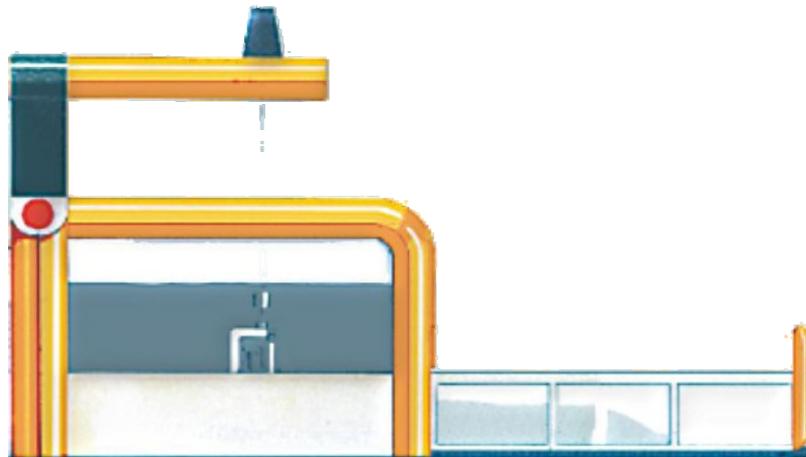
CutVision ClassManual

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 On-Line** allows maximum production flexibility with the same characteristics of precision, speed and trustfulness of classical models **Model 1W**, to cut hides for furniture, automotive, can be used both on whole hides of good and premium quality and on printed hides. The standard model is for Shoes and Bags, it can be used on half hides and sunthetic (PVC, EVA, cardboard, insole) In the configuration with 5 cutting heads, it can cut up to 4000 pairs of arch-support per hour. Hides must be previously marked by hand to highlight their defects and the Quality areas. The hides are put into the Loading Station from where they are transported into the Scan and Nesting Area. Once this process is finished, the hides are inserted into the cutting area, after which the cut pieces and remains are taken out of the working frames in the Unloading Station.

Scan identifies automatically the symbols marked on the hide, the nesting generates a topmost efficient pattern placement scheme, the pieces to be cut are positioned according to necessary quantity, regarding the areas assigned to the hide.



Cutting

**Loading
Hides Stock
Nesting
Cutting**

The cut area manages the working time of this system. The machine must never stay still. Therefore, everything preceding the cut area and following it must be organized consequently.

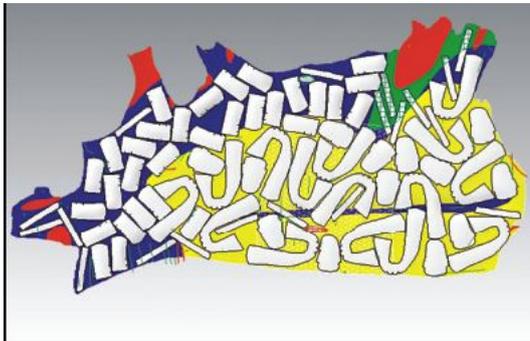
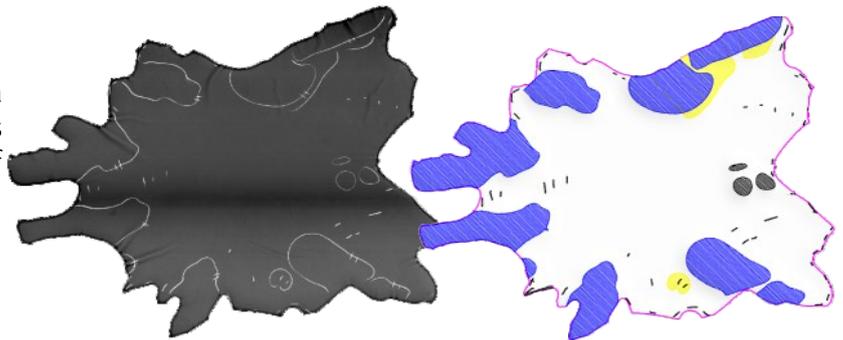
CutVision nesting algorithm (pieces placement) generates efficient schemes even more quickly than the time it takes to cut the hide!

CutVision

CutVision Class Manual working configuration, allows the best results as far as the placing of pieces shapes on the hide are concerned. The very high yield of the machine is guaranteed by the best technology existing in the realization of the mechanical parts of the machine and the movements it makes.

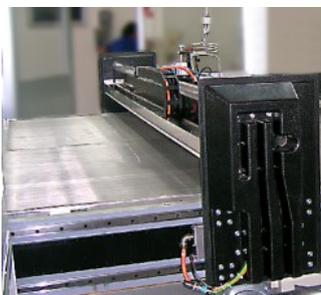
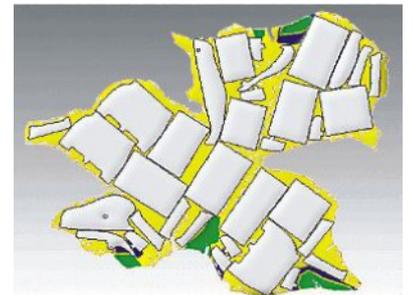
Loading and scanning

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



Nesting

In this area, the hides are temporarily stored while the nesting process takes place. This procedure allows implementing individual optimization strategies.



Cutting

The machine is equipped with a cutting head for natural hides, both for automotive and shoes. For the synthetic, EVA, insoles and cardboards, the version with 5 cutting heads is available.



Unloading

It is the area where the operator retrieves the pieces which have been cut, and the scraps.

CutVision

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 software 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	CUTTING SHEET	CUTTING HEAD	LASER	Kw
15/30 1/5W	3000 x 1500	1/5	-	20
34/28 2W-2L	3400 x 2800	2	2	40
34/28 2W	3400 x 2800	2	-	40

- La CLASS MANUAL is of smaller dimensions, since it only has 2 stations (loading/unloading and cut).
- Cut speed: 200 mt/mn Acceleration: 2G
- All machines are supplied with integral guarantee for one year.

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.