HIGH ACCURACY FINAL CUT
AND PRODUCTION SOLUTION

EPC 18 P

PROFESSIONAL
PROTOTYPING
PRODUCTION
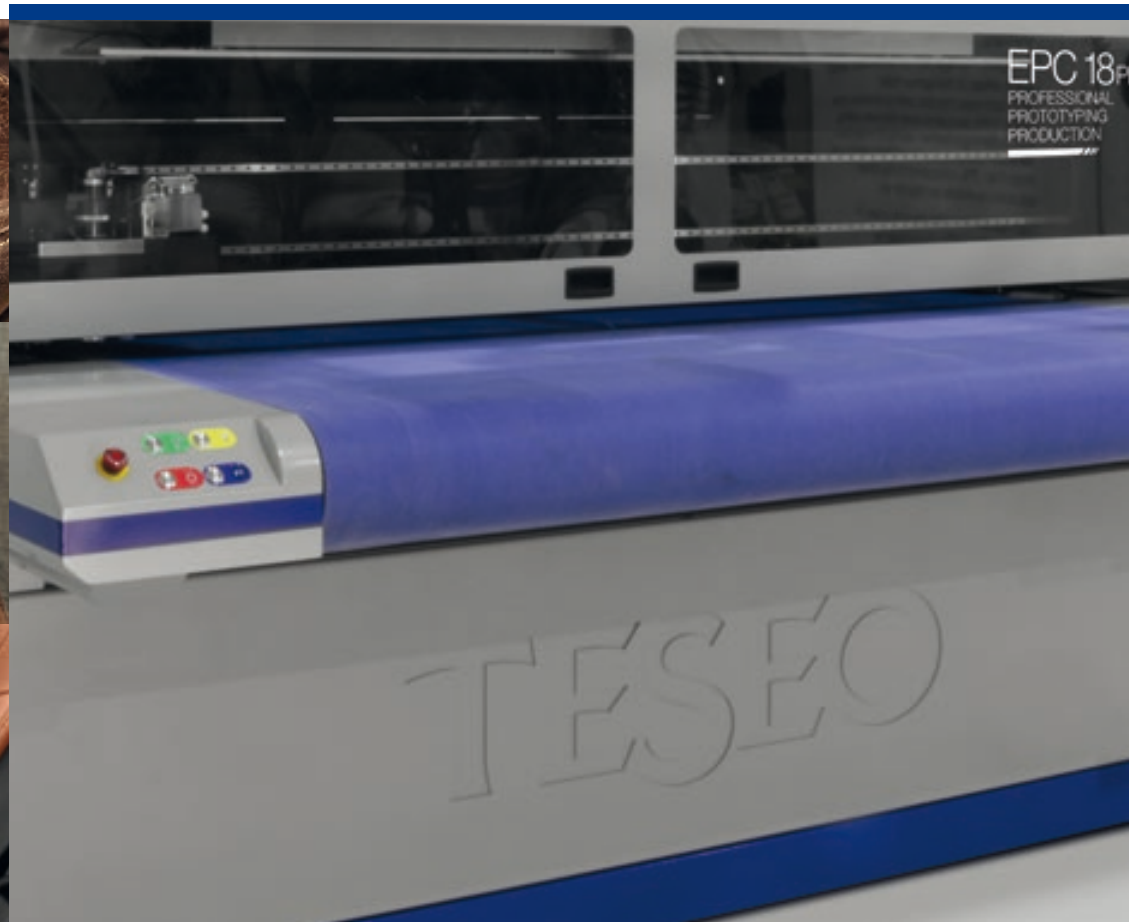
EPC 18 PRO

PROFESSIONAL
PROTOTYPING
PRODUCTION
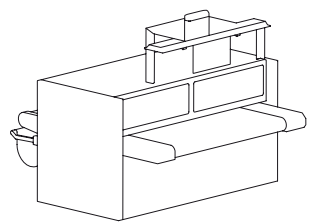
TESEO
OPTIMIZEYOURBUSINESS

EPC 18 PRO

ENGINEERED FOR FINAL CUT OF LEATHER AND FABRICS

Cutting system with a working area moving on rollers for continuous automatic cutting of leather and materials in rolls (synthetic and fabrics).

EPC 18 PRO is ideal for prototyping and production with manual and automatic nesting on leather and fabrics.

1 DIGITAL COLOUR PROJECTOR
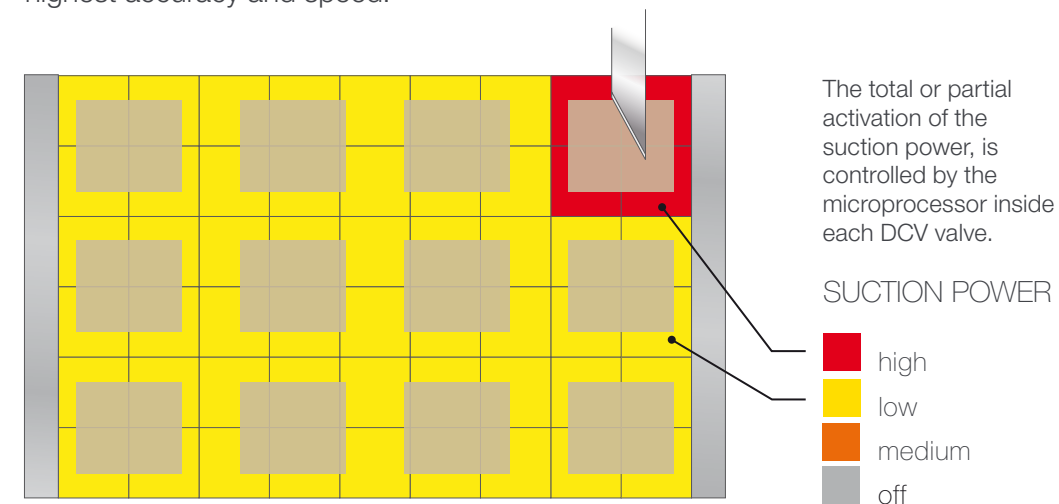
2 HIGH RES CAMERAS

CUTTING AREA 1800 X 1000 mm

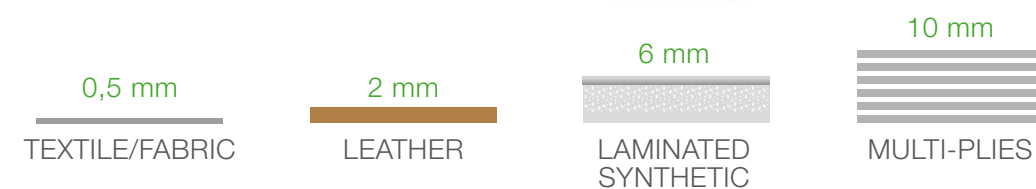1 CUTTING HEAD

VACUUM SYSTEM
THE POWER IS IN THE AIR

The vacuum surfaces consist of **independent and dynamic small sectors** of 200x200 mm. They are dynamic because are driven 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, excluding completely those not occupied.

With this patent TESEO concentrates the suction only where it is really needed, for the highest accuracy and speed.
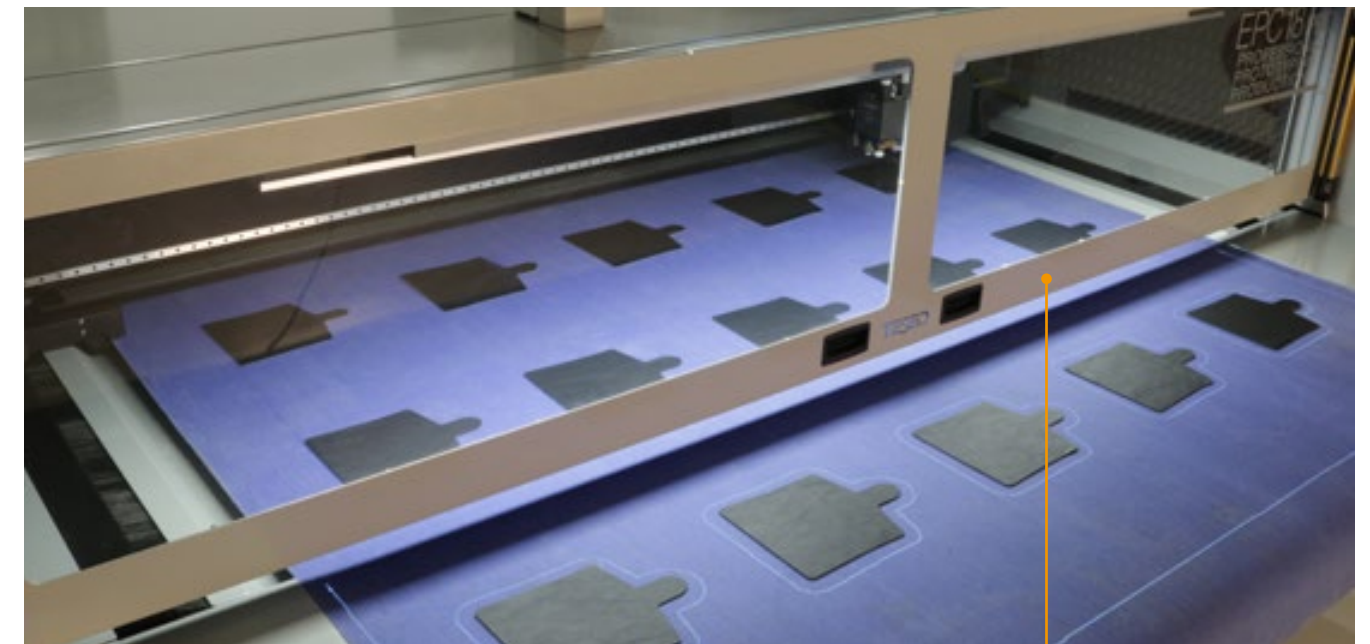
The total or partial activation of the suction power, is controlled by the microprocessor inside each DCV valve.

SUCTION POWER

- high
- low
- medium
- off

FAST AND ACCURATE
CUTTING ON ALL MATERIALS

- Exclusive pneumatic knife groups interchangeable in a few seconds, with high oscillation frequency.
- Low consumption of compressed air of only **90 l/min** (other systems have 250 l/min).
- Available with **1, 3, 5 and 7 mm oscillation stroke** for the best result on any thickness.

UP TO
50%
ENERGY
SAVING

0,5 mm	2 mm	6 mm	10 mm
TEXTILE/FABRIC	LEATHER	LAMINATED SYNTHETIC	MULTI-PLIES

LESS NOISE
MORE COMFORT

The internal light system allows the camera to better control the material, avoiding light pollution due to external factors.

Automatic opening and closing of the protection cover

EPC 18 PRO is equipped with a **special cover protection that reduce the dB emission** of the machines. It guarantee a friendly and healthy working environment for the operators and it can be installed in any environment.

dBA
76
MAX

HIGH ACCURACY DOUBLE CHECK

ARGHON

ARGHON is a **dual optical sensor camera with powerful micro computer**.
It processes 100 scans per second with **0,02 mm** resolution.

EPC 18 PRO is equipped with high resolution cameras for shape recognition and nesting.
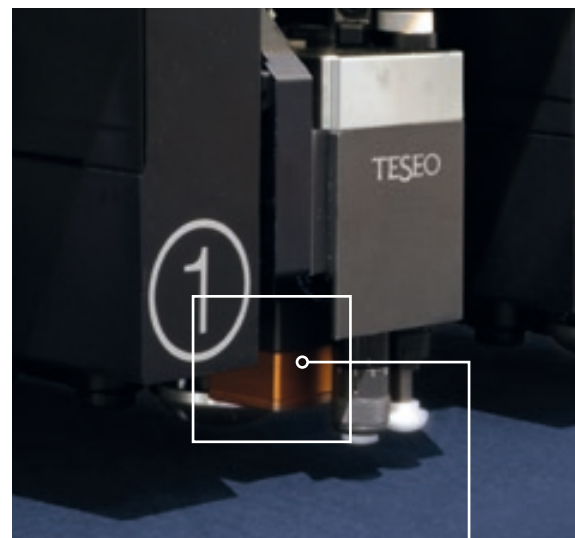
Thanks to the **3D** vision, ARGHON is constantly capable of measuring the wear of the cutting carpet and the hide thickness, detecting variations in height.

ARGHON recognizes the effective execution of cut and punches for an **automatic quality control**.
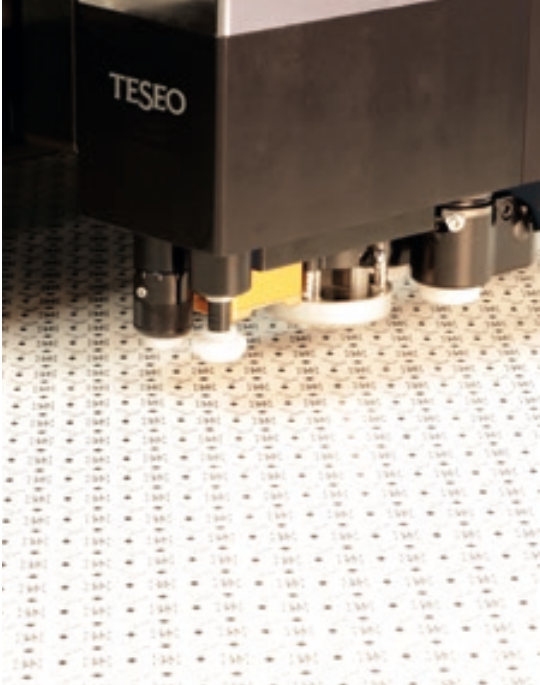
SHERLOCK

Sherlock is a precision optical recognition system developed by TESEO. Installed directly on the cutting heads, it is able to **recognize any kind of pattern** of the material that needs to be cut: logos, textures, designs or lines.
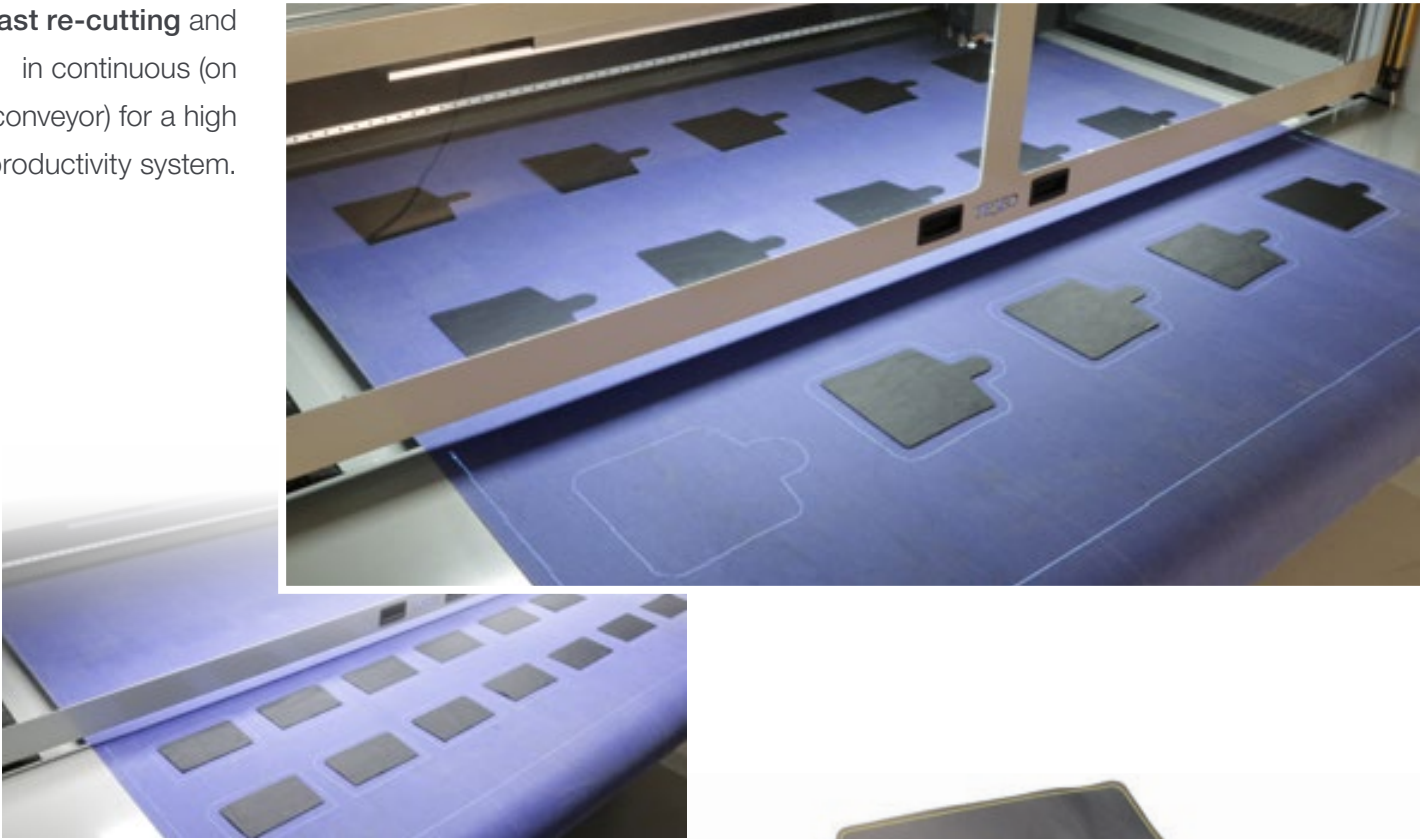
High production with absolute accuracy. Inspection on each piece with alignment and rotation in real time.

Sherlock will automatically adapt in real-time the theoretical nesting to the actual pattern of the material, pieces by pieces.

RE-CUTTING

Automatic alignment with Arghon camera of the pieces through reference points (notches, points, seams, logos and perimeter edge).

The operator will only have to **place one or more parts in the front area** of the EPC PRO, the integrated camera system (the external ones + Arghon) will automatically do the rest for an easy, immediate, and accurate re-cutting.

Fast re-cutting and in continuous (on conveyor) for a high productivity system.

OTHER USES

LEATHER

MULTI LAYER

EPC 18 PRO is equipped with devices for automatic and steady moving of multi-layer materials.

HARD MATERIALS

TEXON
5 MM THICKNESS

CARDBOARD
3 MM THICKNESS

LEATHER INSOLE
4 MM THICKNESS

Automatic soundproof door.

1 arm equipped with compact multi-tools head.

ZAG system: SERVO control (Z-axis). Precision ± 0.005mm. It increases the execution time of all the tools, it improves the cutting quality and it allows the cutting of material up to 18 mm height.

Working area sectorized with 54 sections of 200x200 mm each singularly activated by dynamically controlled valves (DVC, patent) for the optimal hold of the hide on the perforating surface.

MODEL	EPC 18 PRO
HEADS	1
CUTTING AREA	1800 x 600/1000 mm
SCANNING AREA	1800 x 600 mm
HIGH RESOLUTION CAMERAS	2
PROJECTORS	1
DIMENSIONS	2660 x 2230 x 2670 mm
WEIGHT	1800 kg

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

TESEO

ISO

FIRST AND ONLY
MANUFACTURER
OF AUTOCUTTING
SYSTEMS
CERTIFIED

RINA

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.
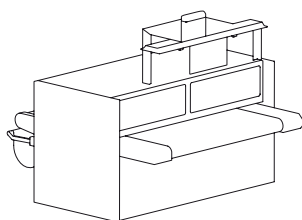
GUARANTEED
AND CERTIFIED
QUALITY

2YEARS
WARRANTY

TESEO
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