XENIA

THE CUTTING OF FULL HIDES HAS NEVER BEEN SO DYNAMIC

THE MOST
EFFICIENT
NESTING IN
THE WORLD

METI
ON·BOARD

TESEO
OPTIMIZEYOURBUSINESS

THE CUTTING OF FULL HIDES HAS NEVER BEEN SO DYNAMIC

Innovative machine with conveyor for continuous automatic cutting of full hides and materials in rolls (synthetics and textiles).

OPERATORS NEEDED:

1 EXPERIENCED operator for the loading on the machine, marking and on-board nesting

1 BASE operator with low experience for the collecting of the pieces

THE MOST EFFICIENT NESTING IN THE WORLD

METI ON·BOARD

2

3

THE MOST EFFICIENT NESTING IN THE WORLD

METI ON·BOARD

Xenia is the new automatic cutting solution with conveyor system for **full hides and roll materials**. Indicated for automotive and furniture industries.
Up to **4** independent cutting heads, combined with the most powerful autonesting software available on the market, for the highest productivity and yield.

METI HAS THE BEST STRATEGY

The nesting of the parts is done according to the different quality areas. METI maximizes the nesting yeld in accordance to the set criteria, ensuring the maximum performance possible, with minimal waste.
Simultaneous display of the nesting on the monitor and on the leather, allows the operator total control and any possible manual change.

UP TO 7% LEATHER SAVING

SCANNING   AUTOMATIC NESTING   CUTTING   PICKING UP
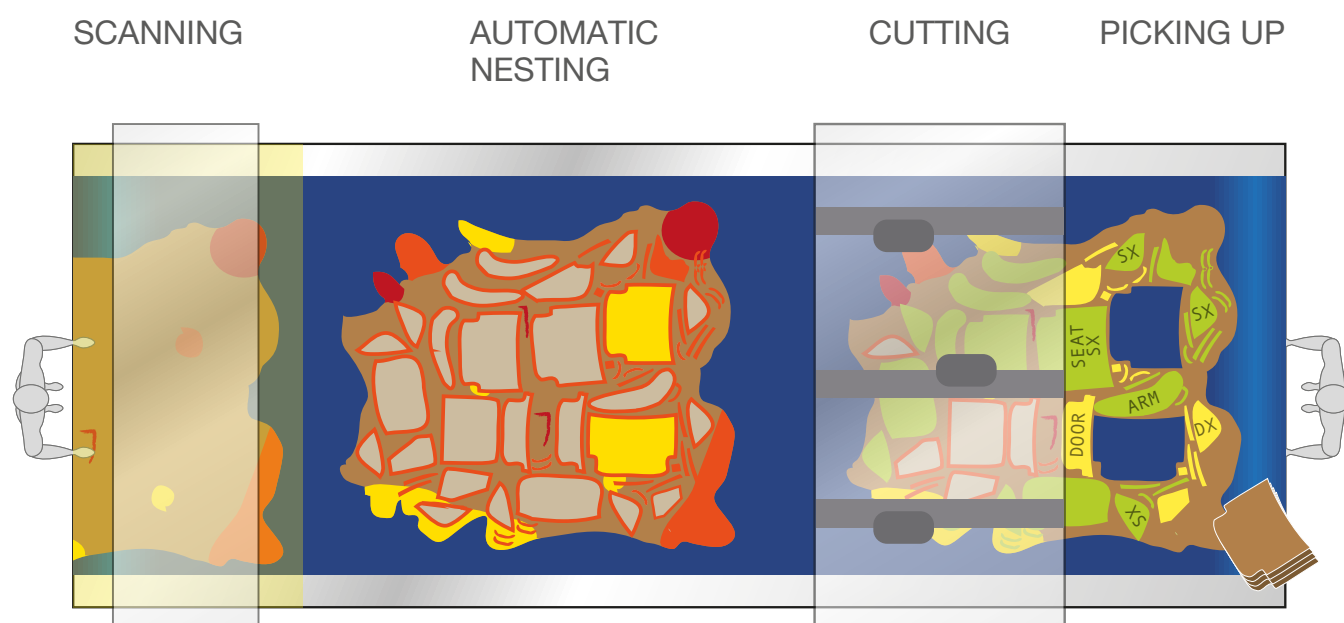
**3 X 9** m working area

"YOU NEED 6 MINUTES TO DO WHAT METI DOES IN 20 SECONDS"

The most advanced and efficient Nesting algorithm for the highest yield, **up to +7%** compared to traditional cutting.

The vacuum surface consists of 220x200 mm independent and dynamic small sectors. They are dynamic because they 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 power only where it is really needed, for the highest cutting accuracy and speed.

SAVING SPEED AND ACCURACY

LOADING

SUCTION POWER
- off
- low
- medium
- high
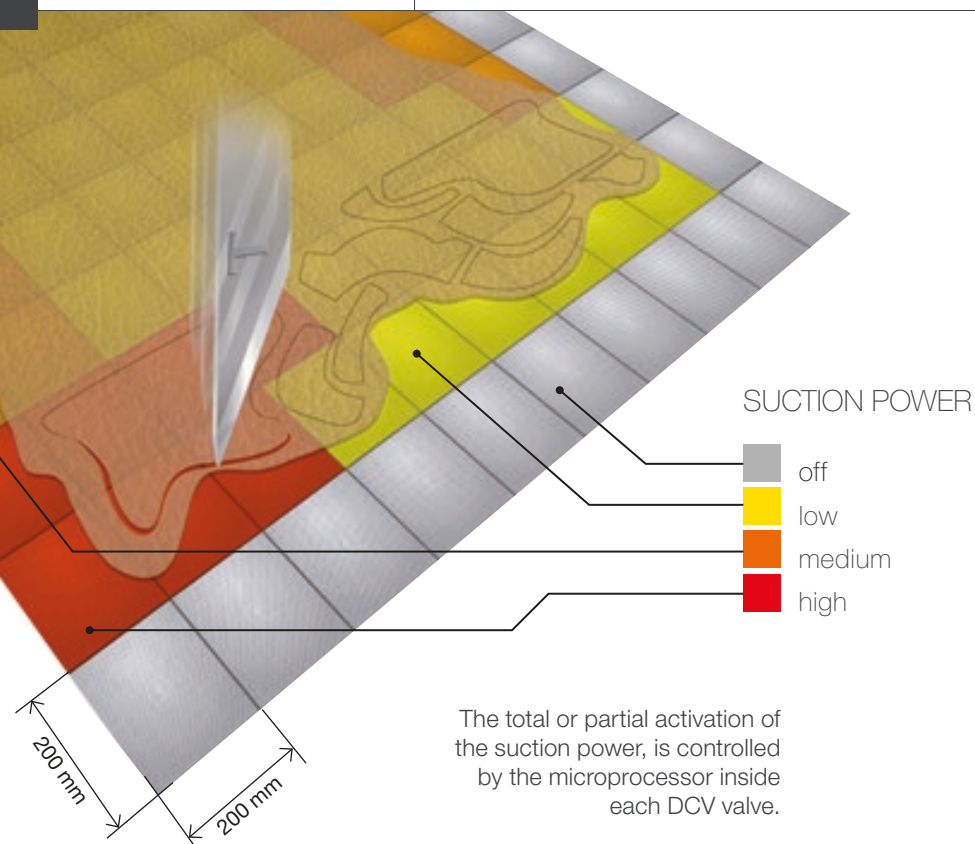
The total or partial activation of the suction power, is controlled by the microprocessor inside each DCV valve.

UP TO 40%
ENERGY SAVING

INTELLIGENT
because it activates **only the necessary sectors and requires** a low consumption vacuum pump for energy (less than 15 Kw), saving up to **40%** with respect to all the other solutions.

PICKING UP
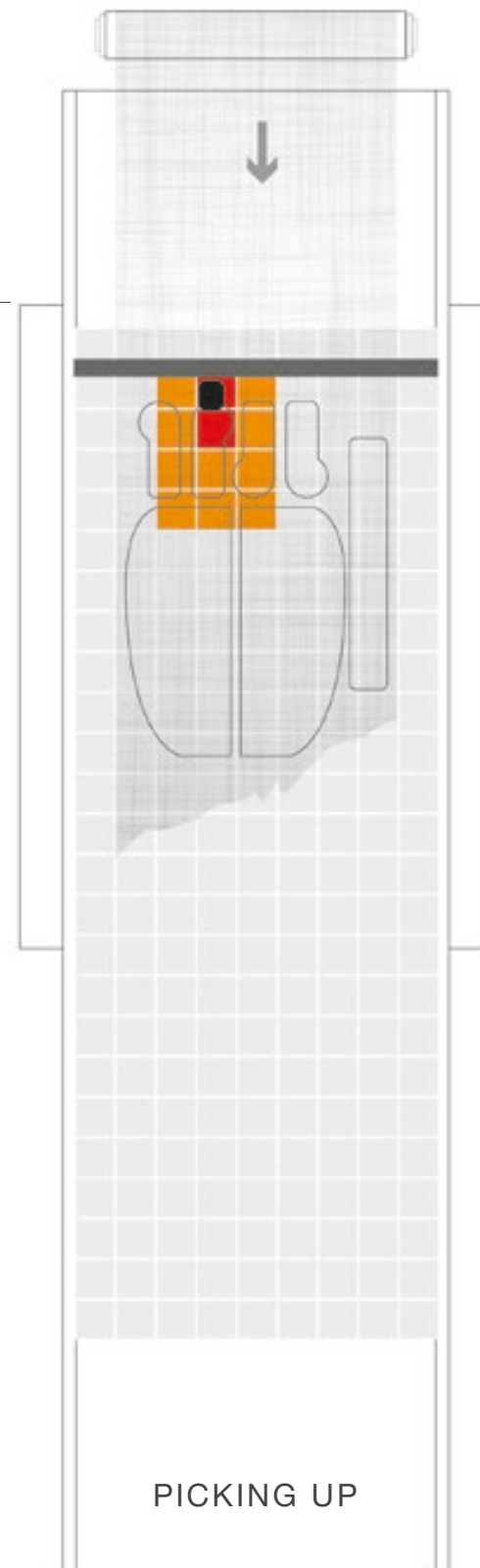
In **1993** TESEO was the first company to introduce the **vibrating knife for the cutting of leather** and, till today, the quality, the accuracy and the low maintenance cost of this solution remain unattainable for any other technology currently available. The heads are also equipped with punches for holes of multiple dimensions and with a marking pen.
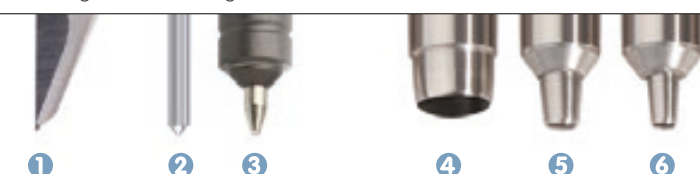
TESEO cutting head is the most compact, efficient and complete tool for the cutting of leather ever realized: available in G6 and G8 version, respectively equipped with **6 or 8 tools**.

LIKE USING 6 HANDS

6 TOOLS

| Blade for fast cutting	Pen and punch for the signature	Different diameter dies: from 0.5 to 12 mm
1	2 3	4 5 6

UP TO 12 HOLES PER SECOND

SHERLOCK

Sherlock is an optical recognition system installed on the cutting heads directly.
It is able to recognize any kind of pattern on the material that needs to be cut: logos, textures, designs or lines, also irregular.
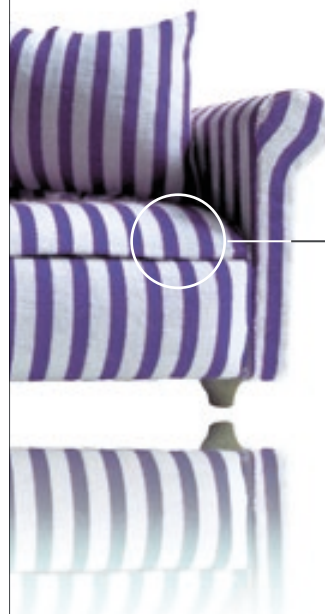
Sherlock will automatically adapt in real-time the theoretical position of the parts according to the actual pattern of the material.
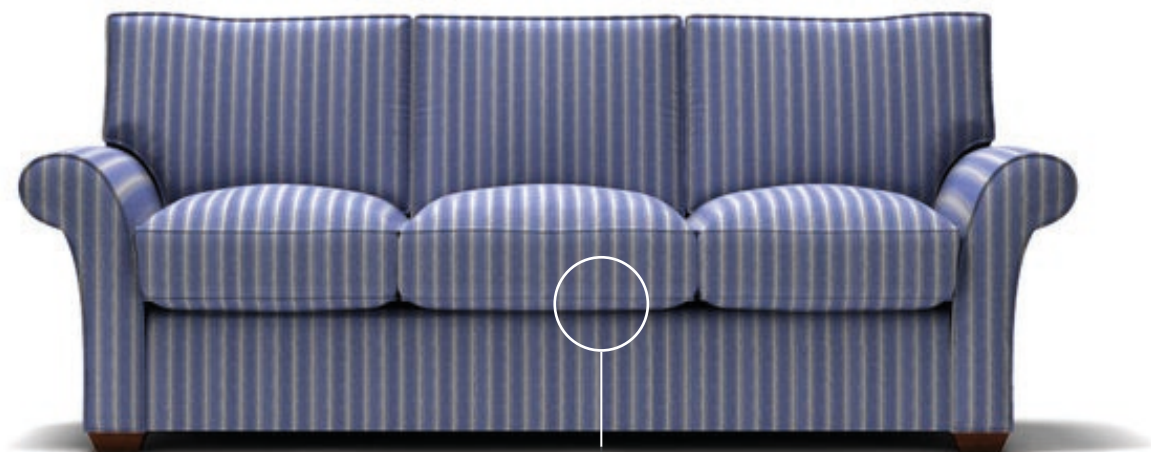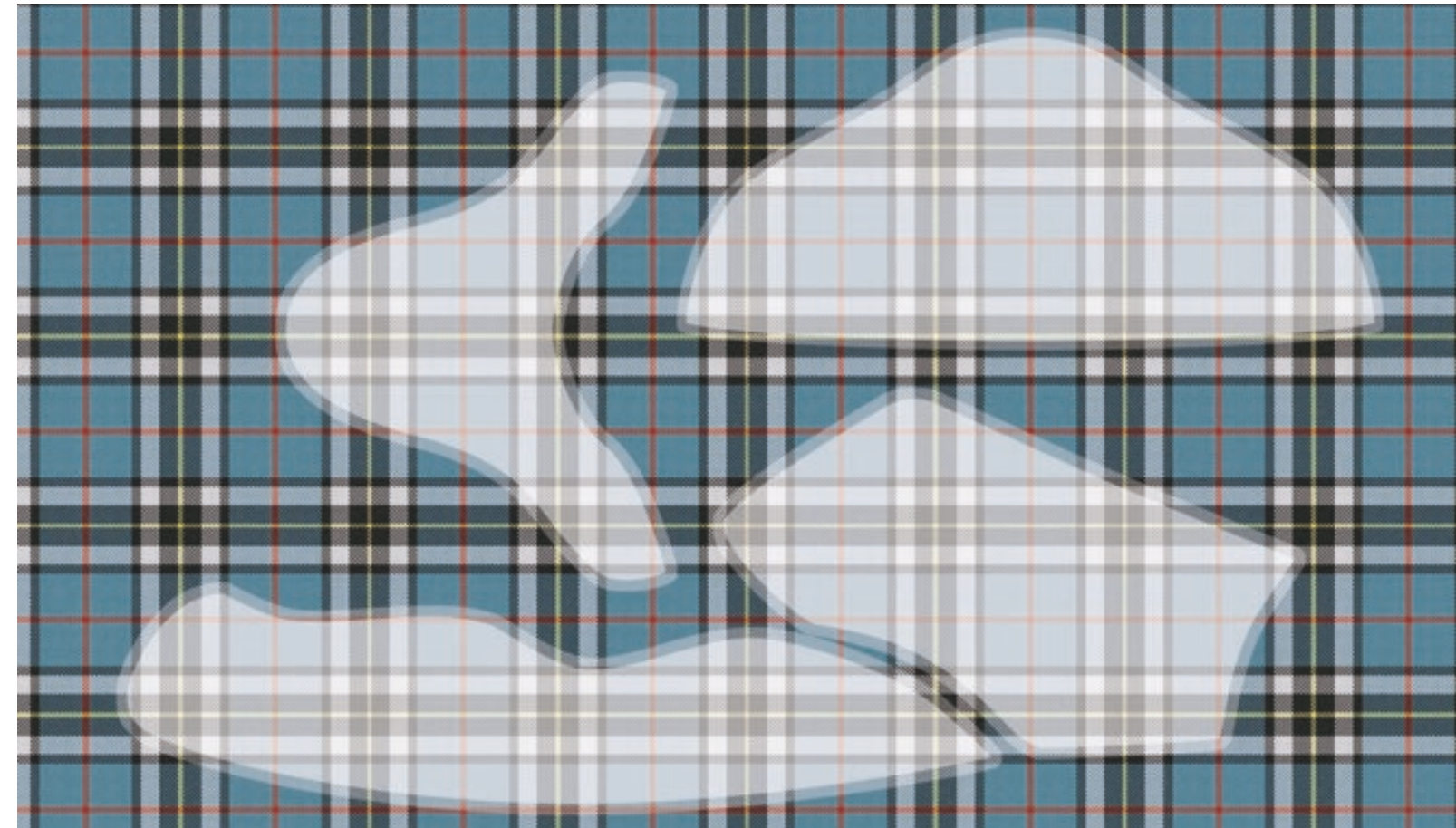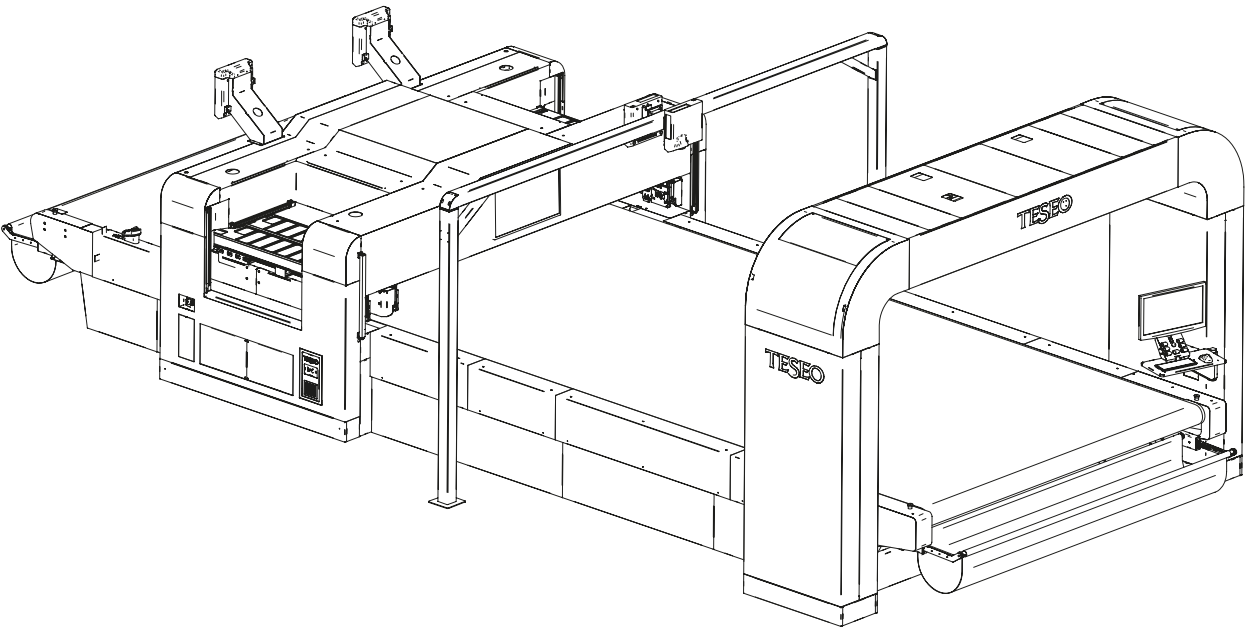
*With
Sherlock*

*Without
Sherlock*

TECHNICAL SHEET

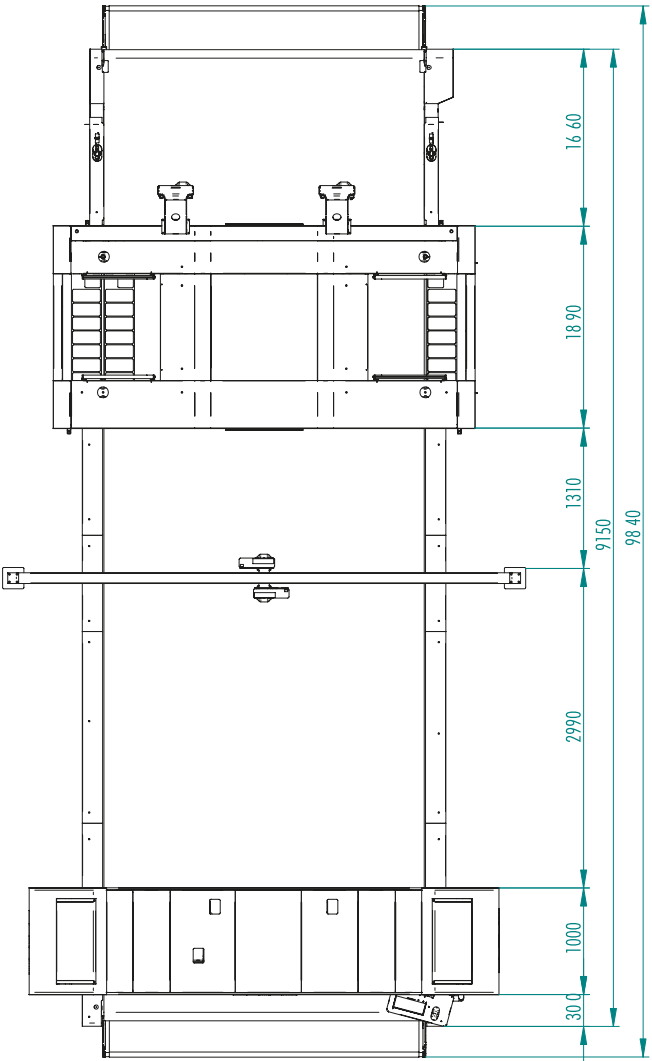
MODEL	XENIA	
PLANES	Conveyor	
HEADS	2 / 3 / 4	
WORKING AREA	3x9 m	sectorized
HIGH RESOLUTION CAMERAS	6	
PROJECTORS	6	

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

THIRTY
1987 · 2017
TESEO

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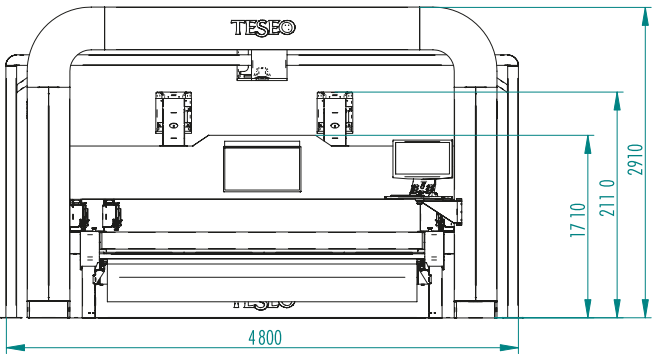
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FERMO · Italy | info@teseo.com | www.teseo.com