

THE PLANET NEEDS A MORE SUSTAINABLE DENIM

MACSA'S LASER SOLUTION FOR
FINISHING IN DENIM FABRICS

www.macsatextile.com

Macsa id[®]
a code you can trust

A SUSTAINABLE FINISHING FOR A MORE CONSCIENTIOUS INDUSTRY

Lasertex series, is an advanced laser platform that will allow you to give those denim, leather or any kind of textile fabric the required fashion look requested by today's trends.

This solution will help to improve the finishing on every kind of garment, fulfilling this fast market demand called fashion.

MAKE YOUR GARMENT LOOK VINTAGE

Macsa was born in 1983 with the vision of taking advantage of laser technology in laser codification, sale, distribute and give technical service to these type of product in Spain.

First developments on textile were done in 1999 and until now still moving forward innovating and offering more advanced products demanded by the industry. Lasertex systems fulfill this sector necessities and are designed to work 24/7 non-stop.



Less water



Less chemicals



Less energy

WITHOUT CHEMICALS. Without the need of any kind of chemical product that actually is used in traditional processes. Fully removing sandblast, potassium permanganate, handsand, etc.. at the same time been able to increase production up to 4000 units/day.

WITHOUT CONSUMABLES Laser is a clean technology reducing at its minimum any kind of complex maintenance. At the same time it will improve worker environment in finishing processes.

RELIABLE SOLUTION Lasertex series is a reliable, strong and longlast solution able to run production with full reproducibility and no errors.

LESS RESOURCES LESS CHEMICALS MORE PRODUCTIVITY



RESPECTS DENIM AND OUR PLANET

Lasertex series, is your partner solution to achieve traditional finishes by reducing the ecological print on the way.

OPTIMIZE THE PROCESS WITH A MINIMUM FABRIC AFFECTION.

Laser works as a thermal energy that is able to remove the indigo from its original fabric by a sublimation effect. The remaining smoke is removed by a super powerful smoke extractor.

MINIMUM RESOURCES MAXIMUM PRODUCTIVITY

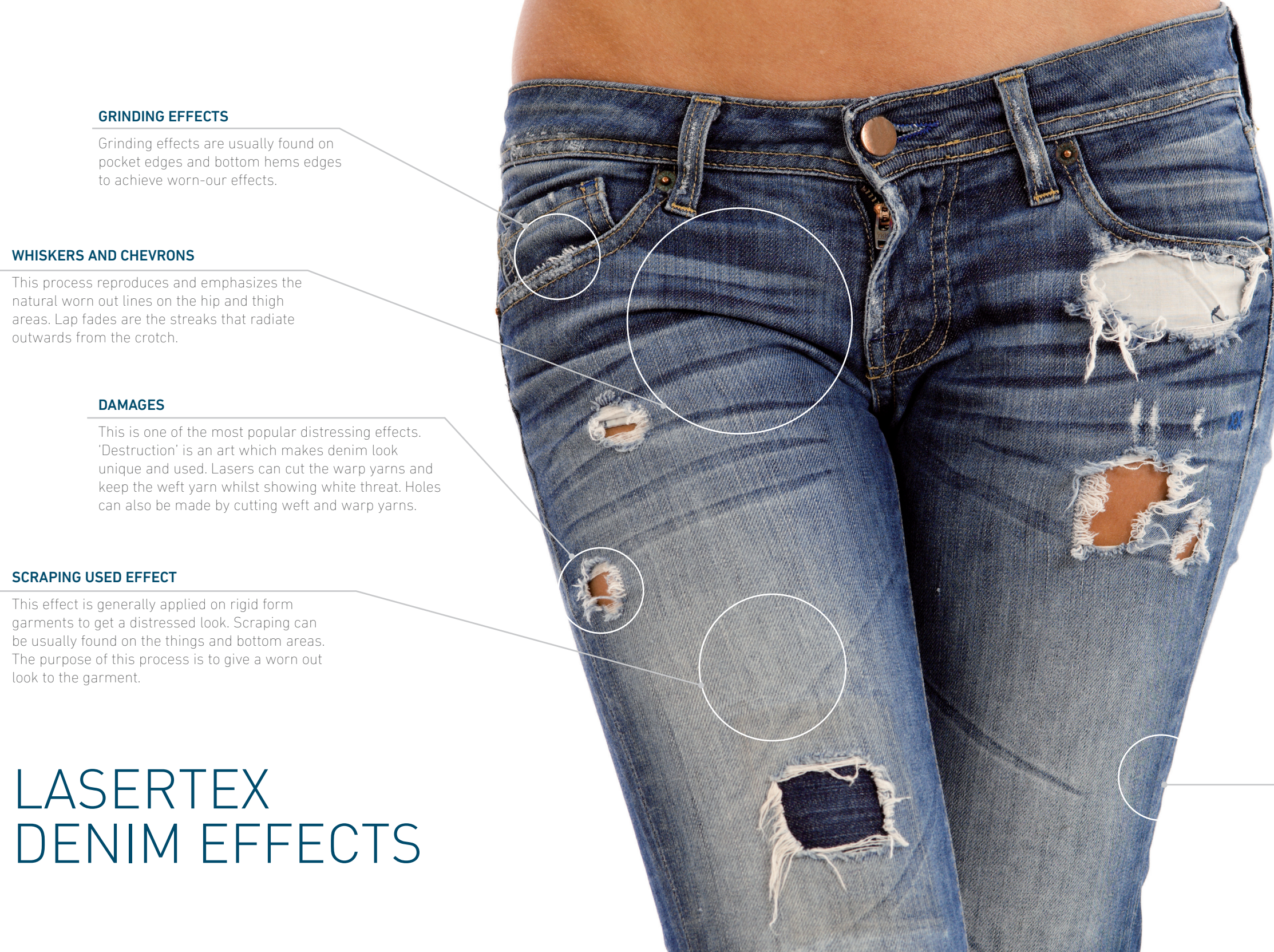
With this technology, one operator will be able to produce more than 200 pieces/hour.

RESPECTS THE NATURE

Unlike finishing traditional processes such as, sandblast, PP, handsand, etc.. laser works without the need of any kind of chemical or any kind of consumables.

The final solution for denim finishing, productive, efficient and sustainable.





GRINDING EFFECTS

Grinding effects are usually found on pocket edges and bottom hems edges to achieve worn-out effects.

WHISKERS AND CHEVRONS

This process reproduces and emphasizes the natural worn out lines on the hip and thigh areas. Lap fades are the streaks that radiate outwards from the crotch.

DAMAGES

This is one of the most popular distressing effects. 'Destruction' is an art which makes denim look unique and used. Lasers can cut the warp yarns and keep the weft yarn whilst showing white thread. Holes can also be made by cutting weft and warp yarns.

SCRAPING USED EFFECT

This effect is generally applied on rigid form garments to get a distressed look. Scraping can be usually found on the thighs and bottom areas. The purpose of this process is to give a worn out look to the garment.

LASERTEX DENIM EFFECTS

Denim manufacturers use laser to improve their finishing process and achieve a better “vintage look”.

Lasertex systems are the market's favourite machine for its **speed and flexibility**. They provide garment manufacturer a powerful tool to respond market's demand on fashion and **allow them to increase their production capacity**.

6.000 million jeans are manufactured every year and **laser finishing has become the most productive and environmentally friendly technology for that purpose**. The most important consumer brands insist on their manufacturers being **sustainable and committed to the planet** in the way they produce their garments.

BACK KNEES

These are the creases and crosses that develop at the back of the knees.

LASERTEX RANGE

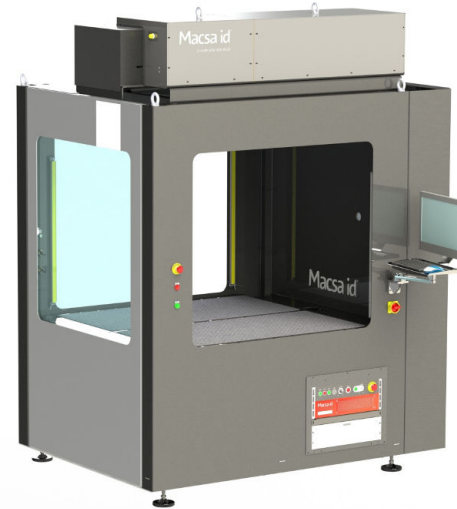


LASERTEX VI

**Atelier machine for small details.
High quality garments, top accuracy.**

Macsa's atelier machine, best in the market for personalizations and high definition design.

- Finest spot.
- Working area 300X300mm.
- Low consumption.
- Super compact.
- Powered by our Marca software.



LASERTEX UNNO

Set up anywhere, from developments to production in one step.

Continuous marking table, reduced size to install in small places, it is ideal machine to get started in the world of laser marking. Available to mark denim, t-shirt or any other kind of fabrics and materials as well such as leather.

- High resolution 3D scanner.
- Denim marking with an adjustable area.
- Continuous marking system, non-stop.
- Compact steel structure.
- Powered by our Marca software.



LASERTEX FUTURA

High speed, high productivity, the best performance.

Improved equipment with the latest laser technology, increasing productivity over 20% compared with other market machines.

- Our new model's engine is a sealed laser tube, this advantage will avoid fluctuations and we will obtain a constant marking production. No garment reprocess.
- Short optical pulses will reduce the peak power and increase the marking quality.
- Bigger output spot that will increase the greyscale and resolution.
- Updated High resolution 3D scanner system.
- New Marca software by Macsa, perfect combination for an effective and reliable production.



NEW AND INNOVATIVE MANNEQUIN SYSTEM

Four positioning, lateral movement.

Improved and unic system in the market with lateral slide movement. For a more safety production.

- Annex module available for Lasetexmachine.
- Two positioning mechanisms totally independent.
- Faster mannequin exchanging thanks to the lateral movement.
- Two or four programmable marking positions, all controlled by computer.
- Direct vision of the working area.



LASERTEX FUTURA TWIN DIRECT

High speed, high productivity, the best performance.

Improved equipment with latest laser technology, increasing productivity over 20% compared with other market machines.

- Our new model's engine is a sealed laser tube, this advantage will avoid fluctuations and we will obtain a constant marking production. No garment reprocess.
- Short optical pulses will reduce the peak power and increase the marking quality.
- Bigger output spot that will increase the greyscale and resolution.
- Updated High resolution 3D scanner system
- New Marca software by Macsa, perfect combination for an effective and reliable production.

After more than 20 years in textile business, is the most reliable, stable and trustable laser for textile applications.

SOFTWARE MARCA®

Environmental friendly, easy and efficient



AN EASY AND POWERFUL TOOL FOR YOUR GARMENT FINISHING.

LaserTEX systems works under MARCA® software, developed by Macsa id. Full integrated tool where any designer will be able to apply different kind of effects, filters, specific textile tools..... for later be applied over any kind of garment.

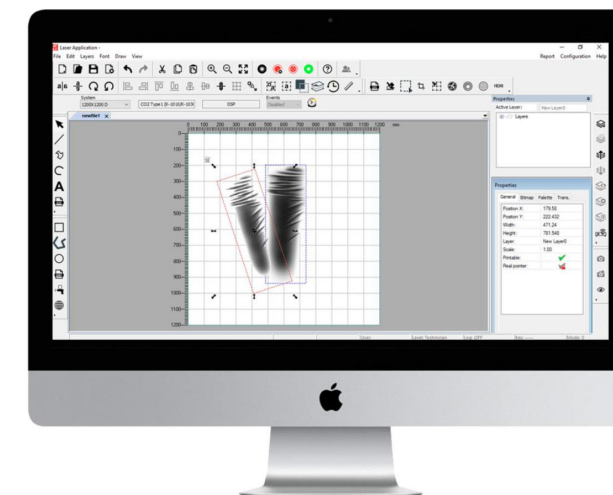
INNOVATION AT TEXTILE BUSINESS DISPOSAL.

In Macsa ID we believe in innovation as our core business. An innovation applied to each product and solution that we develop. This time with the evolution of our MARCA® software that has been designed thinking on all those textile application needs.

This new software will open your business to a new world of possibilities, increasing your production and helping your designers to increase efficiency and productivity.

Our new tools will transform textile industry, reducing water consumption, chemicals and avoiding garment reprocess.

Marca® is a software focused on end user, easy to use and with tools that will improve productivity.



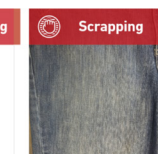
Laser Test Fabric will show you how the denim reacts under laser effect, two samples and you will be able to know the exact parameters to run production



High Dynamic Range will improve and increase your productivity. Higher definition, higher quality, natural effect. Future is here.



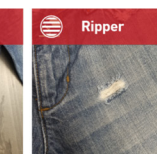
This new version will allow you to edit any bitmaps directly in the laser, lighting, darken, dodge, etc...



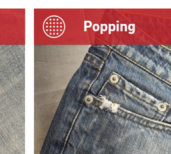
You can use several filters that will simulate any kind of handsanding effect.



With the PP Spray you will be able to stop using chemicals, achieve the same result only by laser.



The easiest way to do damages without braking the threat.



Popping effect under control, you can do whatever shape you need and just burn it.

SUPPORT 4.0

Macsa's main target is to provide specific and personalized solutions to every customer needs in order to fulfill their satisfaction. To do so we offer:

CONSULTANCY.

We help our customers to achieve their business target throw the satisfaction and quality improvement, safety, development and support.

INVESTIGATION

Macsa id invest an important part of its resources in a constant investigation, development and production program.

PERSONALIZATION

Macsa's added value is to offer personalized solutions for each of our customer needs.

TRAINING

Macsa provide constant training to those customer that acquire new equipments.

TECHNICAL SERVICE

Macsa's technical team is ready to give support any time under any circumstance.

Lasertex® has born from Macsa's experience, liability and quality.



Productivity, desing and sustainability for denim industry.

Macsa develop, distribute and commercialize marking and codifying lasers for multinational and machinery manufacturers of different sectors such as packaging, industry and textile.

Macsa has been improving its equipments since 1990 investing 8% of its income in R&D. His catalog include laser technologies such as Co2, YAG and fiber. Lasertex line is specially developed for high quality equipments for garment finishing and other textile applications. With our equipments, we can achieve market demands everyday more concern about world sustainability versus traditional processes.



Available
24/7



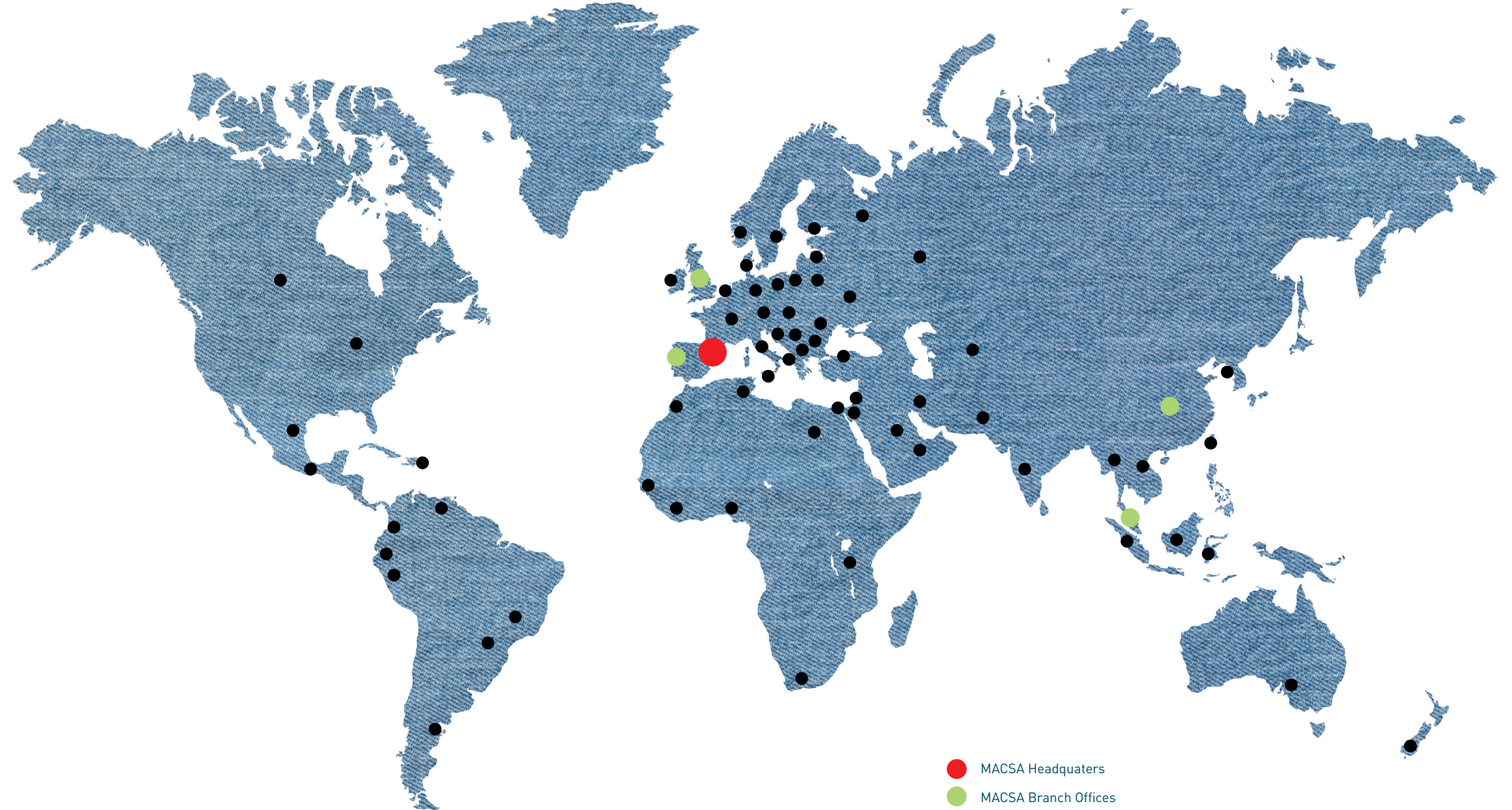
Technical
Support



Remote
assistance

Present on five continents, we
are close to you thanks to our
80 official distributors and our
technical service available all
over the world.

MACSA WORLD WIDE



- MACSA Headquarters
- MACSA Branch Offices
- MACSA Distributors

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