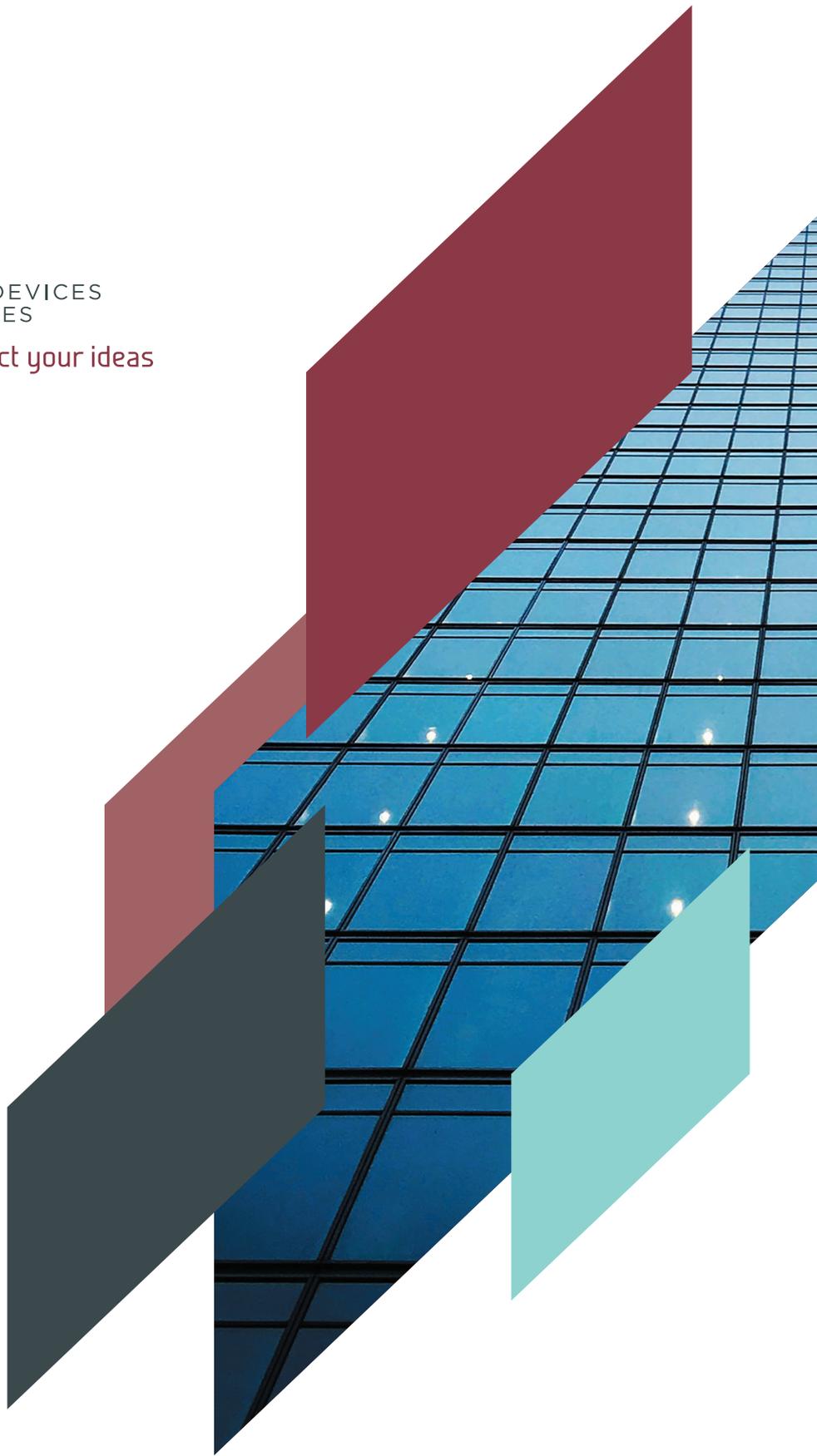


pomdi

HIGH PRECISION DEVICES
AND TECHNOLOGIES

Engineered to perfect your ideas



GLASS



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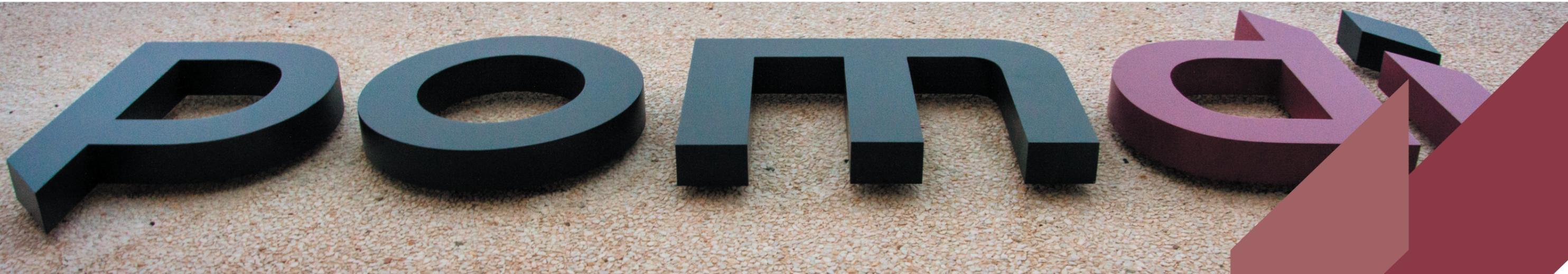
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WE ARE POMDI

Founded in 1972, Pomdi designs and manufactures high-precision diamond tools for industrial use, offering cost-effective machining solutions for a wide range of sectors.

OUR MISSION

Successfully fulfilling our vision requires us to strengthen our commitment to partnering with technology centres and related entities to become pioneers in smart tooling development. It also requires us to embrace continuing professional development and improvement, acquiring greater automation and process streamlining capacity and raising our profile on the global market.



OUR VISION

We want to be a renowned leader in high-precision device innovation and development, maintain a prestigious reputation in superabrasives and develop a growing global presence.



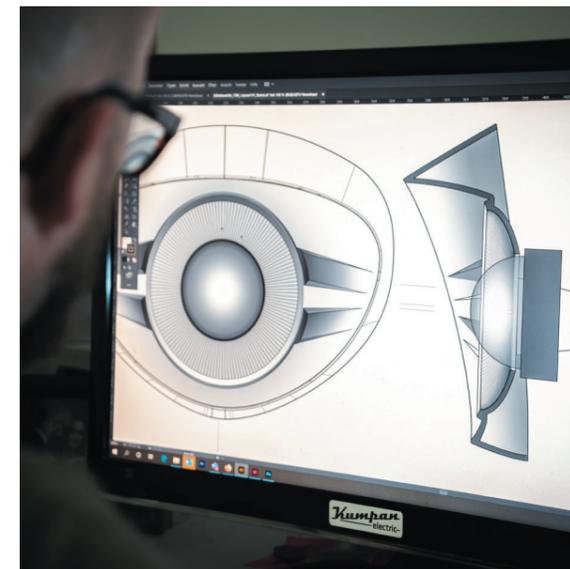
OUR PURPOSE

Engineering the highest precision devices and technologies to empower you to perfect your next big idea.



OUR MARKETS

Pomdi is a leader in different industry sectors, such as metal-mechanics, composites, wind power, aeronautics, friction materials, glass, stone, optics, steel, paper, etc.



QUALITY AND ENVIRONMENTAL POLICY

Pomdi's quality and environmental policy is based on the following principles:

- 1. Processes Management:** the quality of our products must be achieved by mastering the processes, as the most economical, safe and effective way to guarantee the expected results, minimizing resource consumption and waste production.
- 2. Self-management:** aimed at preventing manufacturing defects and rising awareness and engagement of the staff in the achievement of quality. Each employee is responsible for his/her work and for the results obtained from the activities he/she performs.
- 3. Necessary human and material resources:** based on continuous training, staff awareness and the availability of material resources appropriate to the work and technical availability.
- 4. Commitment:** all Pomdi employees must be committed to continuous improvement to guarantee the competitiveness of our products and our company.
- 5. Documentation:** determine what should be done by systematically documenting our activities to detect, correct, assess, and help prevent deficiencies in quality and operational control, as well as keeping record of those that result, is part of our work and what enables us to analyze and improve.
- 6. Objectives and indicators:** measure the result of what we do and, based on this, propose the necessary objectives for the viability of the company, the improvement of environmental management and customer satisfaction.
- 7. Management:** we are committed to improvement, ensuring that the above principles can be carried out in a satisfactory way both for Pomdi and its clients.

At Pomdi we are convinced that people are our greatest asset. Their enthusiasm, dedication and professionalism are the best guarantee for the success of our company.

ISO 9001

The ISO 9001 standard drawn up by Technical Committee 176 of the ISO (International Organization for Standardization) specifies the requirements of quality management systems applicable internally in organisations for certification or contractual purposes.



ISO 14001

The ISO 14000 standard is a collection of environmental management documents that, once implemented, affects every aspect of an organisation's environmental impact. It helps organisations address environmental issues systematically and enhances environmental and financial performance.





1. ARCHITECTURAL GLASS

Our patented products, and other innovations for construction industry flat glass, have made us leaders in the technology applied to manufacture of this type of product, as well as in design and manufacture of custom tools for a wide range of applications.

3NEO (diamond & polishing)

3NEO® is a revolutionary technology patented by Pomdi that optimizes use of glass-manufacturing grinding wheels and diamond tools.

3NEO® allows you to reuse the grinding wheel's shank after the diamond part is worn out, changing only the consumable – the diamond ring. You won't have to buy the entire part, just the ring, reducing your costs and stock levels.



- LOWER YOUR COSTS
- REDUCE YOUR STOCK
- QUICK TOOL CHANGE

3NEO® technology is a sophisticated system used to couple the shank to the diamond ring, ensuring that they don't separate during operation but allowing removal with a single click when the consumable needs replacement.

3NEO® reduces the waste generated by replacing entire parts, minimizing your environmental impact and reducing your carbon footprint.



Meeting our clients' engineering requirements is our priority. That is why we've teamed up with Artifex, working as the distributor for the Iberian Peninsula of their polishing wheels for edging machines used in the flat-glass and metal industries.

What's more, thanks to this agreement, Pomdi and Artifex are jointly developing engineering solutions that feature our patented 3NEO® system, making it possible to equip clients' machines with our magnetic coupling system for both diamond and polishing tools. Pomdi markets 3NEO® grinding wheels made with Artifex quality exclusively on a worldwide level.





1. ARCHITECTURAL GLASS

Inox Line (drills & countersinks)

Our INOX line for drilling and countersinking combines the best finish on the market with outstanding speed, features that have made it one of the world's best-selling products.

Regarding the INOX drills, the diamond is laser welded to the steel body, making this joint unbreakable. The cutting wall is only 0.8mm thick, which allows drilling with high-quality finishes.

And perhaps most importantly, these are self-sharpening drills that do not require maintenance.

- **DRILLS:** LASER WELDING UNBREAKABLE, EXCELLENT CUTTING AND FINISHING, SELF-SHARPENING
- **COUNTERSINKS:** NO MICROCRACKS, "CLAMP" FIT TO THE DRILL

As for the countersinks, they consist of two pieces, an adapter that links the drill with the diamond ring and which the diamond ring, which, due to its design, gives a "clamp" fit to the drill, which means that there are no microcracks in the glass.



Peripheral wheels

Within the peripheral grinding wheels for edge, we have different qualities, either for work on manual, CNC or double edger machines.

A main innovation in this line of grinding wheels are the reinforced wheels for laminated glass. These are wheels that in the zone of attack with butyral (PVB), they carry up to 3 times more diamond, to reinforce that area and prevent premature wear. Therefore, for Pomdi, a monolithic 8mm glass is not the same as a 4+4mm laminated one.



Finger routers & small wheels

In the architectural glass industry, CNC numerical control machines are increasingly used for the manufacture of different shapes in glass, from shelves to fittings or railings, or any type of shape that we want to make in glass.

For this purpose, finger routers are used in different diameters, which are adjusted to the final finish of the manufacturing to be carried out. As the milling leaves a rough finish, we must polish it to eliminate all the microcracks produced by the milling cutter and incidentally, leave it well finished for a matt or gloss finish or as a previous step to tempering the glass.





2. AUTOMOTIVE GLASS



3. HOLLOW GLASS

Prismatic Line

We're specialists in tools used to manufacture rear-view and side mirrors.

For rear-view mirrors, we manufacture tools featuring our patented 3NEO® magnetic coupling technology. These tools are used in straight-line bevelling machines, generally with nine diamond wheels and nine felt and cerium oxide discs to deliver a flawless finish.

After bevelling, the mirrors are edged either by hand or in CNC machines using 'V' grinding wheels to remove the sharp edges.

Side mirrors, either straight or curved, are usually polished by hand or in CNC machines to remove any minor fractures caused by cutting.



Flatting and buffing

We actively contribute to manufacture of bottles, glasses and other hollow glassware. Our products are used in solutions ranging from mouth and stopper buffing to achieve a faultless seal — generally with 10% taper — through to glass flatting in automatic lines using various grain sizes to obtain a perfect buff.

We also manufacture glass-cutting tools used on complete glassware sets.

Applications for our hollow glass tools: buffing, flatting and grooving.





4. OTHERS

Glasweld scratch repair machine

Glasweld's innovative scratch repair system, which we market throughout the Iberian Peninsula, is a portable device used to remove scratches or graffiti from glass. Two techniques are used:

Without optical deviation:

Mainly for scraping, abrasion or scratching caused by other glass. It employs felts and a 'magic' compound that fills in the scratch and, using an increase in temperature as a catalyst, fully removes the scratch, leaving the glass as good as new, in flawless condition and without any optical deviation or distortion.

With optical deviation:

Used for very deep scratches or to repair vandalized glass. This process uses abrasive sanding discs to remove the damaged glass before polishing it with a clearance compound. Because glass has been removed, optical deformation is inevitable, although it often won't be visible to the naked eye.

This system is ideal for repairing tempered, laminated or curved glass either on site or in the workshop, avoiding the need to replace it and saving time and money.



Cerium oxide

For glass edge and bevel polishing we market two types of cerium oxide:

Glossex Pink: 25 kg tin containing 5 x 5 kg bags. Maximum quality for glass edging, and optimal for flat glass bevelling.

Glossex White: 25 kg tin containing 5 x 5 kg bags. Maximum quality for flat glass bevelling. Also used on optics.

In partnership with a type-approved company, we've developed our own cerium oxide safety data sheet.





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