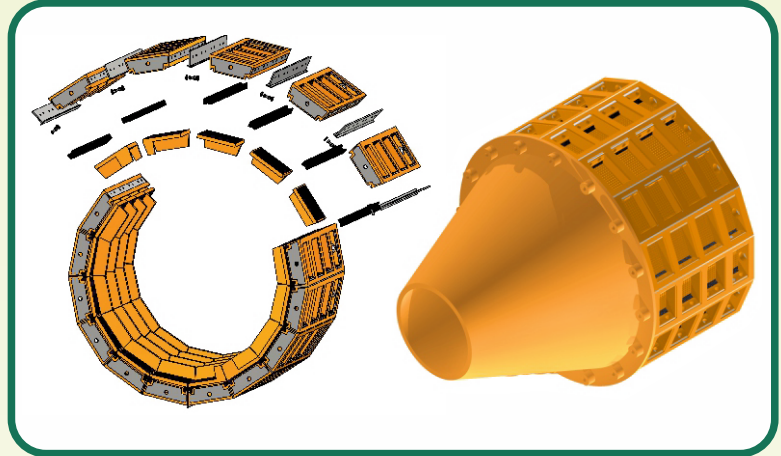


Manufacturer since 1966

INNOVATION →
EXTERNAL STRUCTURAL FRAME DIVIDED INTO SEPARATE MODULES.

- Utilization of the external structure of the trommel is maximized. Localized wear or tear does not mean that the whole structure has to be replaced thanks to the fact that its external structural modules are interchangeable.
- Maintenance costs are drastically reduced over the years making it a highly cost-effective product in the medium and long term.
- Each external module can be mounted, dismantled or changed “in situ”, without having to dismantle the whole trommel or move it from its work site. This reduces downtimes and maintenance times.

This new generation of trommel screens for the mining industry manufactured by INELAS POLIURETANOS, S.L. marks a great step forward, offering a series of **global innovations, advantages and unique features:**



INNOVATION → **EACH EXTERNAL STRUCTURAL MODULE IS COATED IN HOT-CAST MOULDED INAPRENE® POLYURETHANE.**

- This means that with the most abrasive materials we are able to achieve the longest durations compared to any other coatings or linings that are normally used for trommel screens (rubber, epoxy resins, sprays, special steels, etc.)
- The material never comes into contact with the metal or with any other element that is liable to suffer premature wear. The entire structure is coated with Inaprene® polyurethane and all of the joints are protected
- As a result of this, the external structure will last for the whole working life of the mine thanks to its maximum durability and the possibility of any changes being made at a minimal maintenance cost.



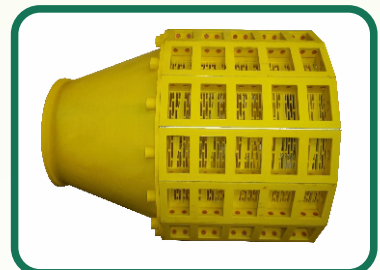
INNOVATION → **WE HAVE MANAGED TO COMBINE IT WITH AN INTERNAL SCREENING SYSTEM THAT IS ALSO MODULAR AND IS ALSO MADE OF INAPRENE® POLYURETHANE.**

- The parts that are subject to most abrasion and wear, which are the interior screening area and the area where the material is discharged, have a modular system that is also interchangeable “in situ”.
- The Inaprene® polyurethane screening modules can be manufactured with any mesh opening, thickness, and hardness, with or without spirals inside, affording great versatility no matter what the working conditions, type of material, size of material, etc may be.



INNOVATION → **OUTLET ZONE IN INAPRENE® POLYURETHANE - VERSATILE AND ADAPTABLE.**

- Any type of bank nozzle can be made entirely in Inaprene® polyurethane, tapered or cylindrical, modular or in one piece, with or without inner spirals, for the output of materials.
- Inelas Poliuretanos S.L. studies the working conditions at each individual mine and adapts its production to provide trommel screens and outlet nozzles that are best suited to each case.



Inelas Poliuretanos, S.L. is a manufacturer of polyurethane elastomers registered with the trademark **inaprene**[®]. Our beginning in 1966 coincides with the worldwide search for industrial applications of this elastomer.

We specialize in optimization and solving problems that commonly arise in certain industrial applications and specific mining processes, such as screening, the hydraulic or pneumatic transport of abrasive solids via pipeline, flotation and abrasion erosion at certain stages. We advise our clients on the implementation of innovative, simple, high-quality polyurethane products to improve performance and profitability during these processes.

Five decades of existence researching, testing and innovating with a decided vocation to know the possibilities of this material, has given us the necessary experience and quality to satisfy the most demanding needs.

inaprene[®]

Polyurethane elastomer

**OUR OWN
FORMULA**



PHYSICAL PROPERTIES



Extraordinary **abrasion** resistance.



Excellent **elasticity** even with high hardness and low temperature.



Good **resistance to traction, tear and cut**.



Great **load capacity**.

CHEMICAL PROPERTIES



High stability to **hydrolysis, unprotection, ozone and microorganisms**.



Good behaviour against many diluted **acids, oils, petrols**, etc.



Excellent **adherence to metals** in the manufacturing process.



Great **chemical versatility** to optimize performance in different applications.