

GRAVIC GROUP

Automotive applications

Find a tailor made solution to suit your needs



mounting ▪ air sealing ▪ water sealing ▪ noise reduction
sound insulation ▪ thermal insulation ▪ thermal dissipation
interior trim decoration ▪ surface protection ▪ filtering ▪ packaging

protection
foils



removable surface
protection

single sided
tapes



tapes for cable
fixation

protection against
electrical discharge

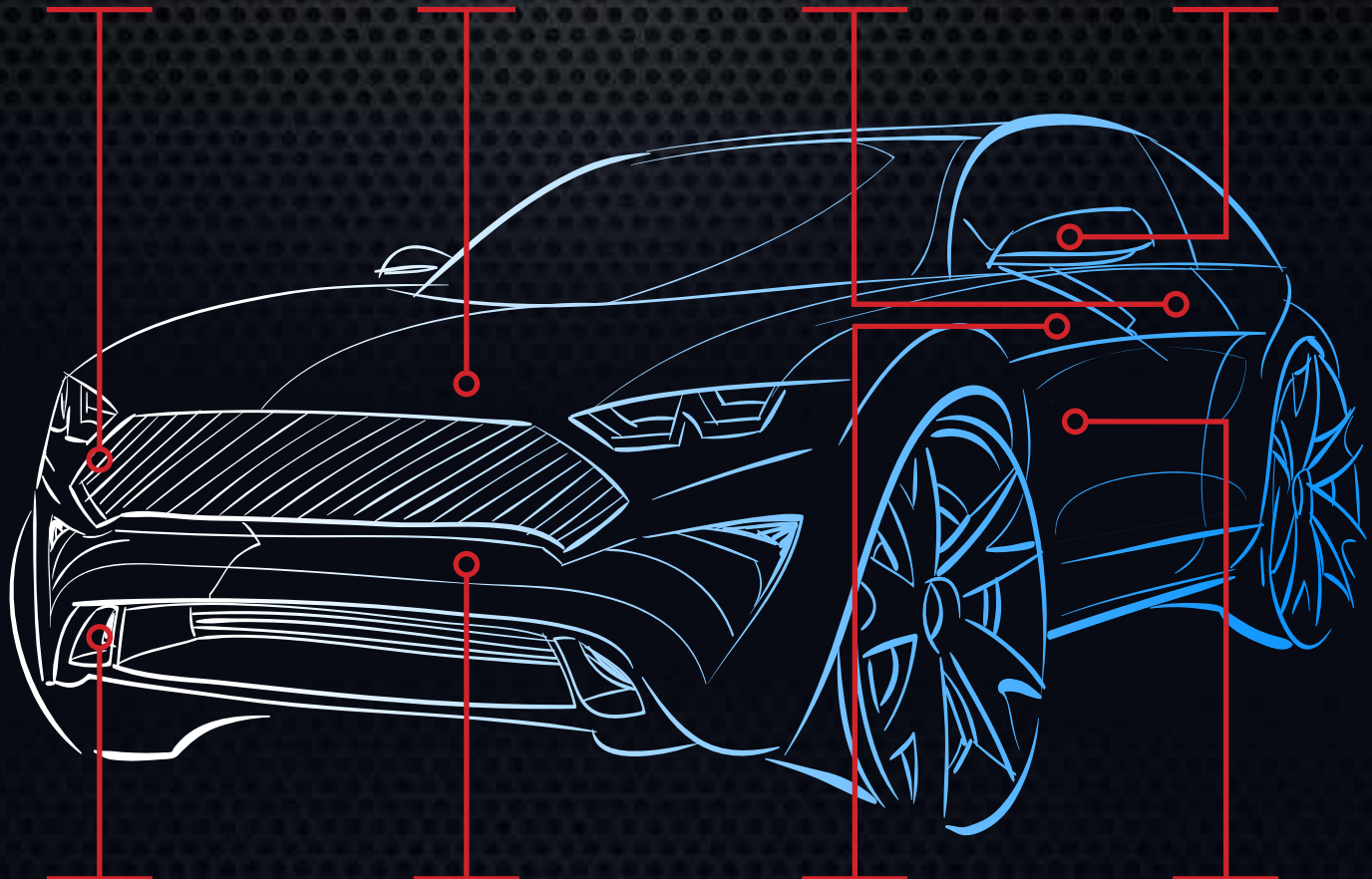


insulation
products

joining parts together instead
of using fasteners or screws



adhesive
tapes



heat sink
for electronics



thermal
management

die-cut adhesive for
permanent bonding



double
sided tapes

gap and noise
reduction



noise
reduction pads

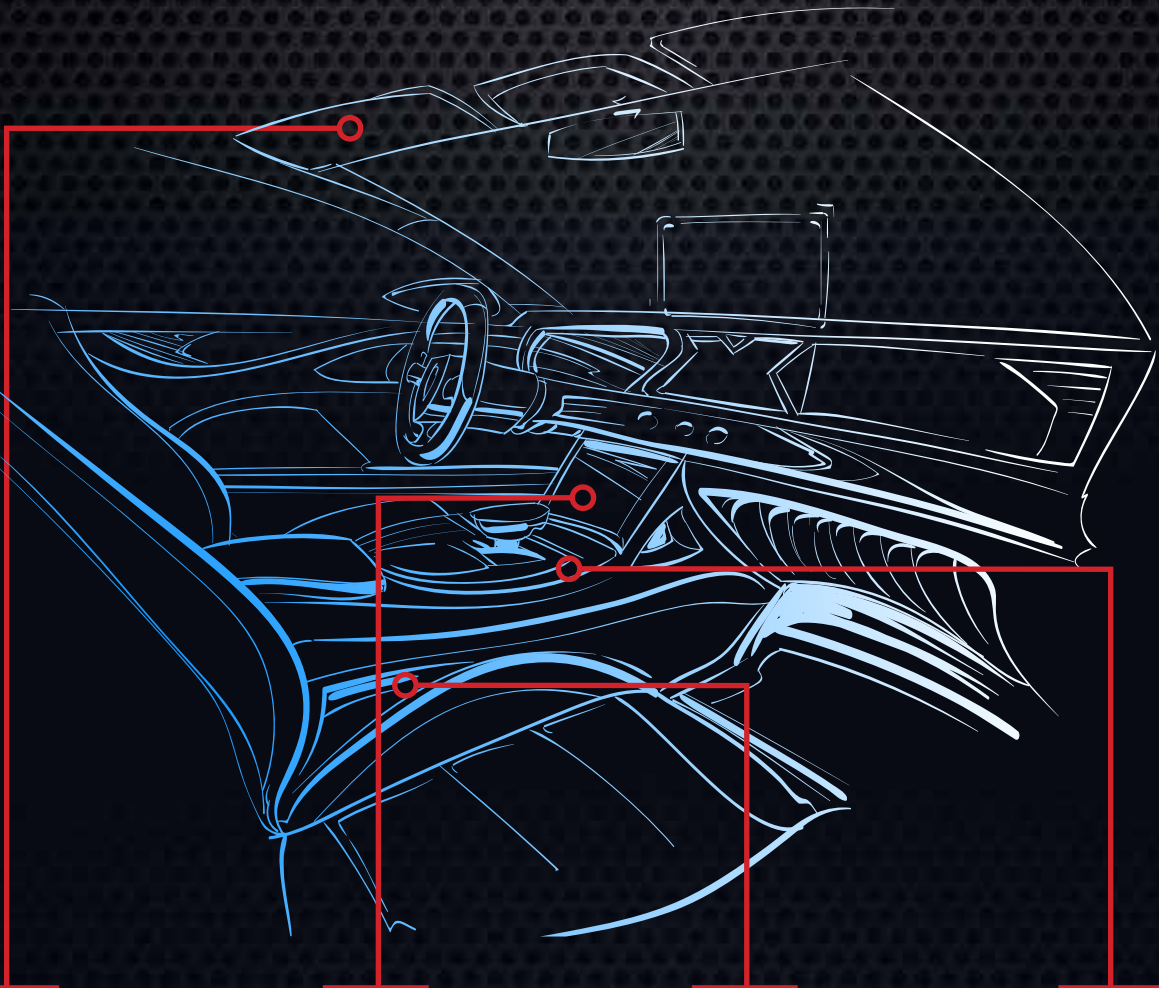
cast foil
cut outs



letter cut
out foils

Our company can add value and increasing productivity while reducing cost

Our company has
UL, ISO9001, ISO14001, ISO45001
and IATF16949 certifications to
support our customers' needs.



safety and
warning labels



permanent
markings

sealants and
gaskets



double sided
adhesives

felts and abrasion
protection



reduction of
abrasion and noise

decorative
foils



non-removable
decorations

s and minimizing risks.

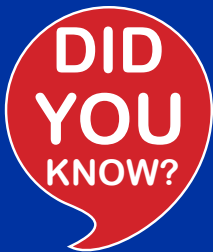
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TUNITEC

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CHINA

Die-cut technologies

Digital die-cut is perfectly suited to making prototypes and small series. This type of cutting uses a plotter equipped with a blade steered by a computer. This process offers a high level of flexibility, with precision cutting at +/- 0.15 mm with low fixed costs.

Laser cutting can die-cut and engrave with precision and speed, for materials up to a thickness of 25 mm without burrs. Several Laser, YAG or CO² sources can be used, depending on the



Gravic is equipped with a full range of die-cut and laminating technologies adapted to your applications.

According to the material selected and the quantities to be produced, from a prototype to very large series, we offer the most appropriate solution.

materials. YAG is used especially for metals, CO² for plastic materials, plexiglas, polyester, wood, and other materials.

Digital milling provides a complementary solution to laser cutting to manufacture materials which are incompatible or too thick (polycarbonate, polyester, etc.)

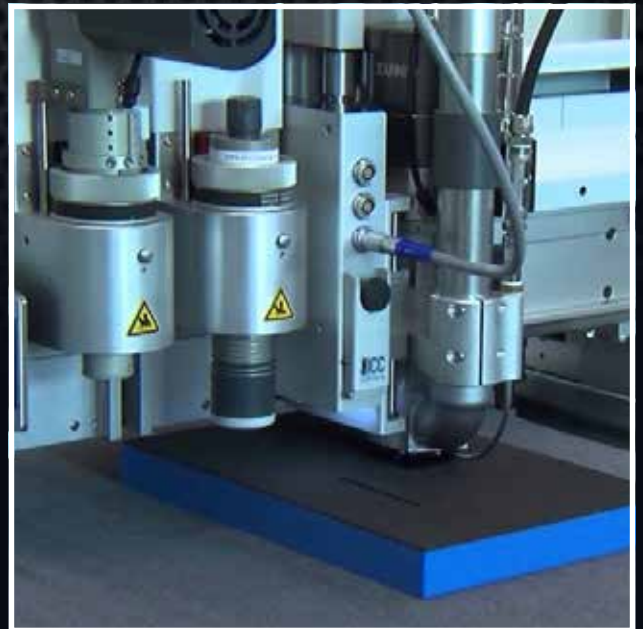
Flat bed cutting tools are used for small and medium series, for all types of materials, including those with a thickness of less than 1 mm, except for metals. These tools have a cutting precision of only +/- 0.30 mm.

Semi-rotating or rotating cutting tools are used for medium to large series using materials of a moderate thickness. These may consist of magnetic cylinders with engraved cutting plates attached to them, or cylinders which are directly engraved with the form to be cut. These can be equipped with air expulsion systems to eject the cut parts, to prevent manual shelling operations. These tools have a cutting precision of +/- 0.1 mm and long durability. The high cost of these tools means that they are used for large production series.

Matrix punch tools are also used for large series, as well as for cutting of thick and hard materials (such as aluminium). These tools combine resistance and precision of up to 0.05 mm. The tools are appropriate to large volume products with a long life cycle, such as those found in the automotive sector.

Materials that can be converted

- double, single sided and heat activated adhesives
- foam mounting tapes
- protection foils
- rubbers: natural and synthetic
- foams: PE, PU, PVC, EPDM and Silicone
- melamine
- elastomers
- felt
- acoustic textiles
- plastic films (PVC, PET, PC)
- thermal management materials



Lamination

Gravic offers several lamination solutions before die-cut operations:

Adhesive lamination makes non-adhesive surfaces partly or fully adhesive. A wide range of adhesives can be used.

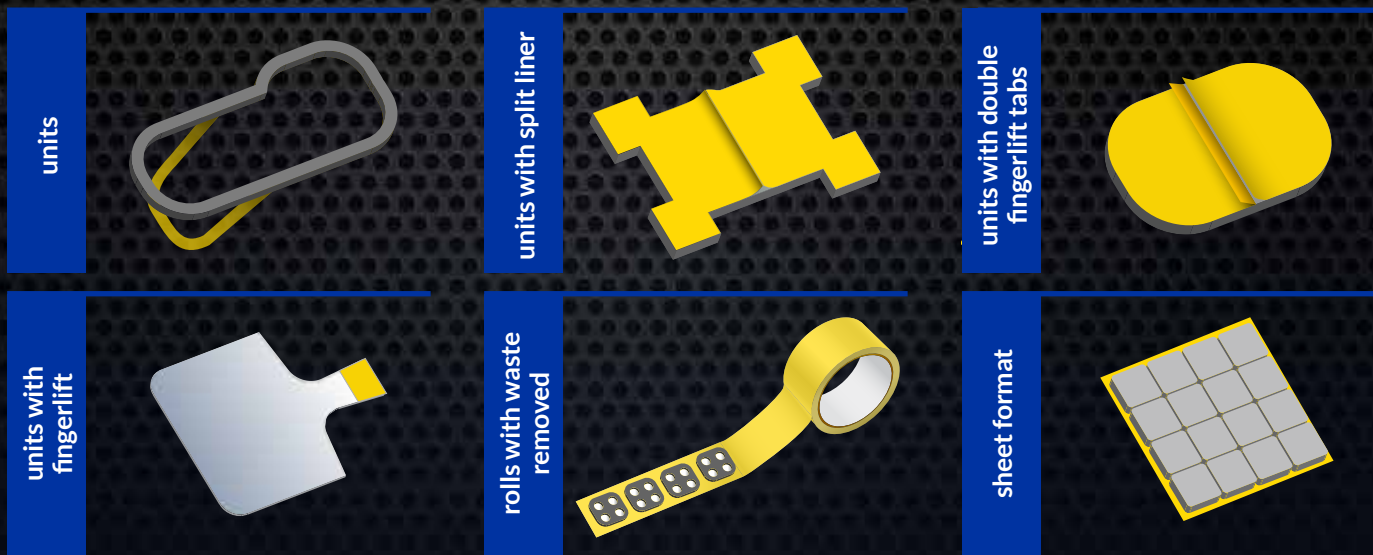
Over-laminating aims to protect the print with a transparent film, which may have a variety of different looks (gloss, matte, satin, or grained). This gives the product increased resistance, and ensures greater durability.



Gravic Group is a converting and printing company from France. Since 1967 we have been supplying the industrial needs of our customers in multiple manufacturing locations around the world e.g. in France, Hungary, Tunisia and China.

We are market leaders in printing on special materials such as PET, PP, PC, PVC, Aluminum and paper as well as converters and die-cutting of adhesive, foam tapes, gaskets and thermal management materials for the Automotive, Electronic, Electrical, Telecommunication and Medical industries.

SINGLE-SIDED ADHESIVE PARTS



DOUBLE-SIDED ADHESIVE PARTS



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