

Smart Molded Parts



Innovative Engineering. Pure Electronics Elegance.

In Mold Electronic (IME) Technology is a brilliant new engineering solution that offers more aesthetically appealing designs and an enhanced consumer experience via progressive human machine interfaces. In addition, the end product offers lower manufacturing and assembly costs and an overall “greener” product.

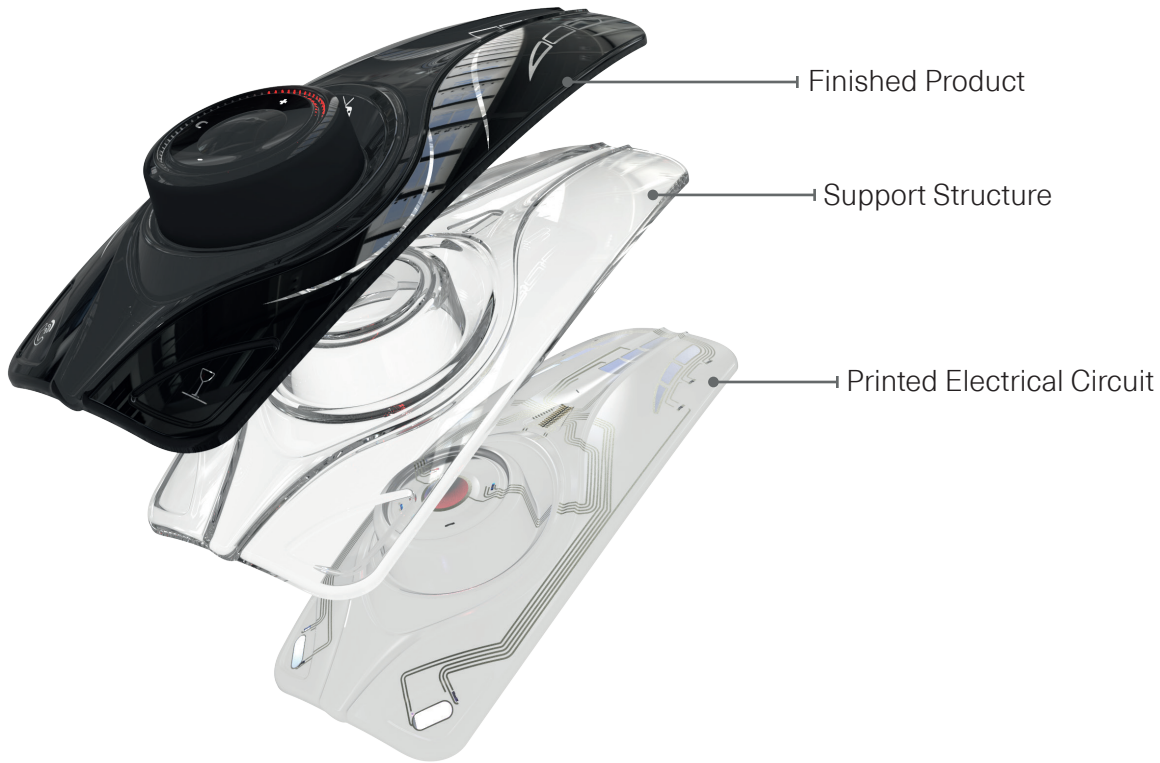
Proximity sensors can recognize the human hand, activating the one-piece compact design. Bright backlighting, haptic feedback and capacitive switches provide an optimally intuitive experience for users - always channeling elegant and minimalistic style.

Advantages

- Improved touch performance
- 3D Design freedom
- Cost-effective
- Environmentally friendly
- Durable

Integration Options

- Overlay material: polyester, polycarbonate and glass
- Custom icons & layout
- Proximity sensor
- Haptic feedback
- General or individual backlight
- Multi-color backlight
- Dead-front graphics



MINK & In-Mold Electronics

e₂ip has developed a new family of patented molecular ink (MINK) for printed electronics in partnership with the National Research Council of Canada (NRC). MINK's properties are high conductivity, elongation, formability and flexibility. When combined with our unique backlighting options and switches on curved surfaces, MINK & In-Mold Electronics allow for industrial designers to achieve greater design freedom.



Features

IMPROVED USER EXPERIENCE

elegance, style and seamless performance

LIGHT WEIGHT

fewer components makes the technology thinner and lighter

COST EFFICIENT

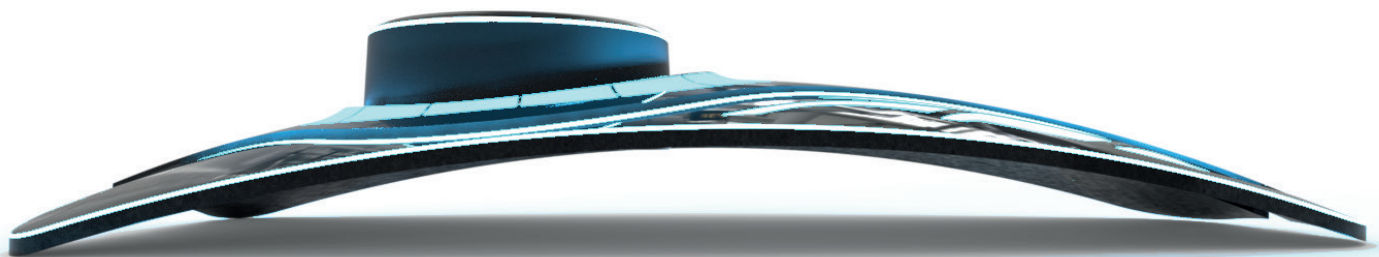
reduced manufacturing cost and improved production rate

HIGH RELIABILITY

Encapsulation of electronic components make the technology reliable



IME represents an evolution in fully additive printed electronics creating a shift in the way future devices will be manufactured.





**Transforming the surfaces we
touch in our everyday lives.**

For more information, speak with
a specialist at e₂ip technologies.

We're always looking forward to
hearing from you!

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