

# Enabling better treatment options through better devices

## CHALLENGES

- Medical device OEMs are constantly working to improve patient convenience by reducing the actuation force of devices. At the same time, the environmental compatibility of raw materials is getting greater attention.
- Drug delivery devices like injector pens and wearables must be reliable 100% of the time.
- As the healthcare industry innovates with devices that make home-care and self-administration more convenient, it is even more important that devices are safe and comfortable to use.

## REQUIREMENTS

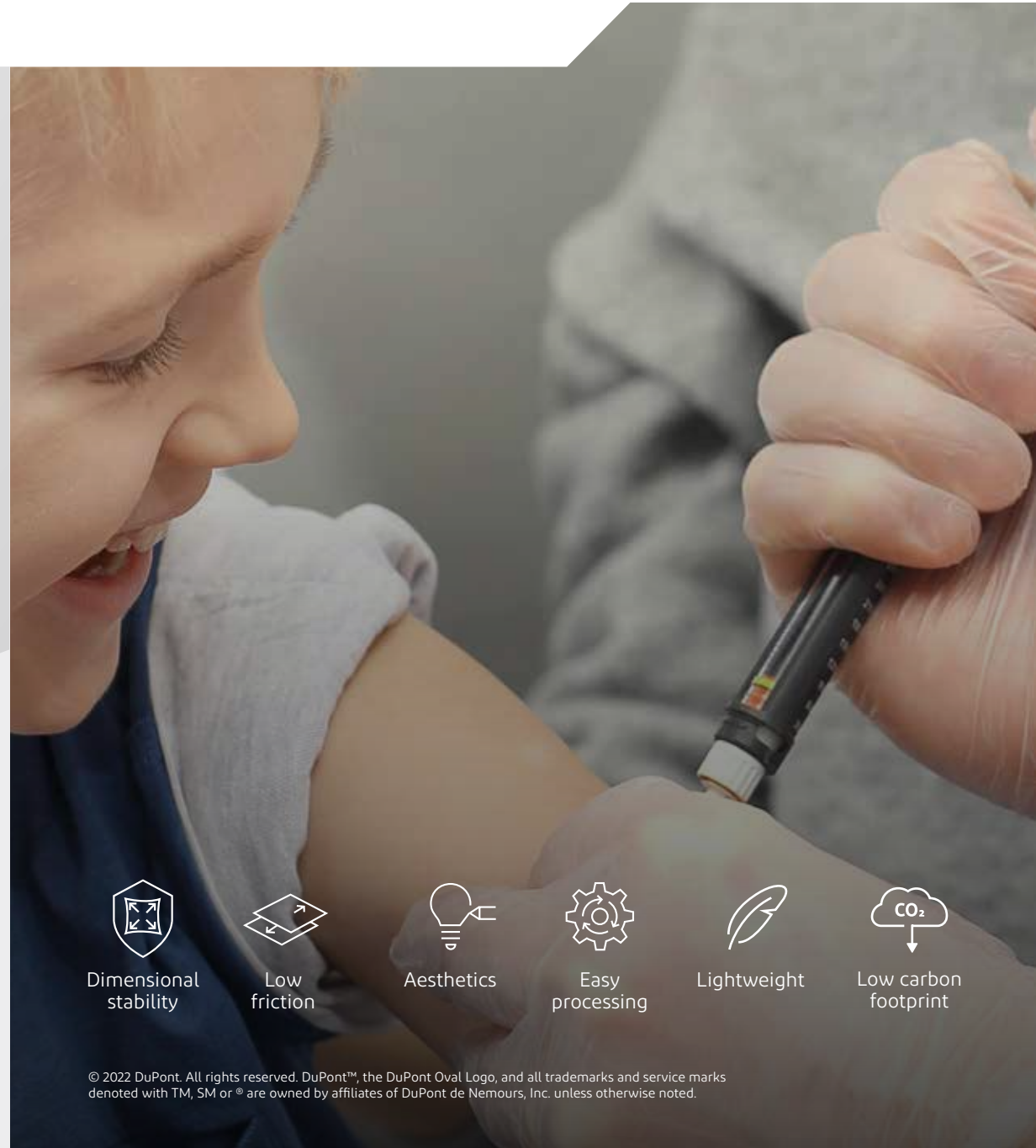
In addition to safety and comfort of use, MedTech and Pharma companies are required to design devices that provide the next level of:

- Reduced environmental impact – in the form of renewably attributed (RA) and renewably sourced (RS) offerings that show significantly lower CO<sub>2</sub> emissions (GWP) than fossil-based variants.

- Cost performance – a result of solutions that enable wall-thickness reductions, cycle time reductions, and lower yield losses due to superior aesthetics.

## SOLUTIONS

- For applications requiring maximum flexibility. **Hytrel**<sup>®</sup> is super-resilient, providing excellent flex fatigue resistance and spring-like properties, and can be used over a wide range of temperatures while still retaining its flexibility and mechanical properties.
- **Zytel**<sup>®</sup> high-performance nylon resins provide strength for lead screws, push buttons, and bearings.
- **Crastin**<sup>®</sup> is ideal for medical applications that require the next level of flow and friction performance—without compromising mechanical properties.



Dimensional stability



Low friction



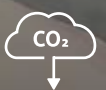
Aesthetics



Easy processing



Lightweight



Low carbon footprint