



FAST NPI



CHALLENGE:

A medical company decided to repurpose their expertise and manufacturing knowhow to produce ventilators for its local market in South America. The goal was to accomplish this in record time to support the efforts to fight the COVID-19 pandemic. They needed a supplier who was capable of providing a complete solution including a 12.1" LCD display with HDMI interface, a PCap touchscreen (TPI CapaciTouch®) and a touchscreen controller. Prototypes were needed in less than 6 weeks and product in production quantities two weeks after approval of the prototypes.

SOLUTION:

By relying on its display partners overseas, TPI managed to specify and procure the displays in record time. Concurrently, TPI engineering started the design of the custom CapaciTouch® touchscreen. The touchscreen included a decorative cover glass and needed to be optically bonded onto the LCD display. TPI's in-house capabilities in both graphic printing and optical bonding (TPI ClariBond®) proved to be instrumental in the success of the project.

RESULTS:

TPI's expertise in custom designs and fast turnaround, resulted in a successful NPI in record time.

BENEFITS:

The design and development of this project was completed in record time, exceeding the customer expectations, enabling the customer to introduce its new product to the market quickly and gain competitive advantage, in addition to being of benefit to society during these trying times.