



# MOTOROLA SOLUTIONS APPLIED TECHNOLOGY MANUFACTURING CAPABILITY

U.S.-BASED, SPECIALIZED AND AGILE ELECTRONIC SYSTEM MANUFACTURING,  
INTEGRATION AND TESTING

## PROBLEM

There is an acute U.S. shortage of medical equipment for COVID-19 patients and Applied Technology, a Motorola Solutions organization, has the capability and the capacity to help fill that shortage.

## SOLUTION

Applied Technology is prepared to redirect a portion of its existing manufacturing, which includes a surface mount technology (SMT) manufacturing line, light mechanical assembly, programming and electrical testing and final box build, to produce completed medical equipment and/or circuit boards and other sub-assemblies for medical equipment, as may be needed to help the U.S. Government respond to the COVID-19 pandemic. As we understand that the FDA has indicated it will waive regulations that would typically require a new manufacturer of ventilator parts to receive approval from the FDA, Applied Technology proposes to collaborate with the U.S. Government and existing medical device manufacturers to help increase output of respiratory care products, by providing logistics, purchasing, manufacturing and assembly resources.

With a total of 170,000 sq ft of warehouse/manufacturing/office space located in Schaumburg, IL USA, Applied Technology has the domestic footprint to aid in this crisis. Our U.S.-based, ISO9001-2015 certified manufacturing facilities provide the following capabilities:

- Controlled access facility
- A surface mount technology (SMT) line with quick changeover capability - Component size down to 0201 (inch); 0.35 mm pitch QFN/BGA
- Lean trained manufacturing staff - 5S
- Inline solder paste inspection machines
- Automated optical inspection machines
- Automated dispense (conformal coating, form in place gasketing, package sealing)
- Hermetic packaging
- X-Ray inspection
- Intelligent feeder system
- Functional test and programming capabilities
- Accelerated life and product validation testing
- Manufacturing engineering - process, mech, quality
- Test Engineering
- Development engineering - system, mechanical, electrical, software, PCB layout
- Highly skilled and experienced assembly staff (solder, manual assembly, back end processing)
- Assembly staff that are all J-STD-001 IPC certified
- Inspection to IPC standards
- Highly skilled electronic technicians (troubleshooting, back end processing)
- Worldwide supply chain; shipping and receiving capabilities



Motorola Solutions proudly manufactures and deploys the sophisticated, cutting-edge communications, software, video security and analytics technologies that keep communities and nations safe. We have been on the frontlines with federal, state and local governments, including in times of crisis, for over 90 years. Today, our 17,000 innovators, engineers and manufacturing specialists are eager to help address critical gaps in the availability of medical and health management technology needed to fight the COVID-19 pandemic. We are pleased to offer hundreds of thousands of feet of secure, U.S.-based manufacturing, unrivaled operational agility and the capacity for rapid deployment.

**MOTOROLA SOLUTIONS STANDS READY  
TO SERVE OUR COUNTRY IN THIS  
MOMENT THAT MATTERS.**

## **FIELDING TIMELINE**

Applied Technology can respond immediately with the implementation of manufacturing capabilities to fulfill the critical need.

## **BENEFITS**

We have been providing sophisticated, leading edge electronic equipment to the U.S. Government for over 60 years, and with the operational agility of a high mix manufacturing environment, we can transition to a supplier of critical medical or other equipment in times of crisis.

