



## FAST TRACK CASE STUDY – MACHINE TENDING

### AT A GLANCE

#### CHALLENGES

- Suitable for deployment on additional applications
- Flexible enough to handle multiple part numbers
- Alleviate or eliminate repetitive workflows

#### BENEFITS

- Fast Setup
- Easy to use/program
- Flexible and re-deployable
- Consistent and accurate

### OBJECTIVES

Telamon Robotics' Fast Track program was a perfect fit for this company who has already been in the process of modernizing operations. Fast Track gave them the opportunity for a free trial of a cobot machine tending solution at their site for 3 months. For small shops, buying a robot is a significant investment, so having the chance to learn and operate a cobot without a commitment to buy was a very valuable proposition to them and they were able to make the best use of it.

### SOLUTIONS

- TM5 cobot mounted on a mobile Fast Track base with an adjustable tray part presenter to handle high mix, low volume parts.
- OnRobot 3-finger smart gripper with custom 3D printed fingertips to pick up long tubular parts.
- Operator loads parts on gravity-fed tray and system can run unattended for hours.
- 1-day training course for employees on cobot operation and programming.

### BENEFITS

#### Fast setup and quick programming

Installation, setup, and programming were done within a few hours with no disruption to other processes.

#### Easy to use and program

With TMFlow's intuitive and facilitated programming language, it was easy to upskill current workers to be able to program within days.

#### Flexible and re-deployable

Simple base with an adjustable tray was all that was needed to give the cobot system the flexibility to run multiple parts of the same family unattended.

#### Consistent and accurate

With a repeatability of  $\pm .05\text{mm}$ , the cobot was able to accurately and consistently load and unload parts within a tight space on their legacy machine.