

KMT Robotic Solutions



Program Verification and Feed Rate Control Device

Two VERIFEED models exist designed to meet different needs: VERIFEED–Pendant and VERIFEED–Panel Mount

VERIFEED-Pendant is a KMT developed pendant device that meets an important need that was expressed to us by users of multiple-robot KMT systems. The VERIFEED-Pendant allows a single operator to take control of all the robots in a multiple-robot system through a single device.

The operator can start all the robots in the system simultaneously and run the robots at an adjustable percentage of full program speed. This allows the operator to verify that the robot paths taught result in the processing of a quality part with no interference between the 2, 3 or 4 robots, starting from a slow speed and speeding up the robots in a coordinated manner as confidence is built. It also allows the operator to more easily and time effectively optimize robot programs in multiple-robot systems.

The VERIFEED-Pendant has all the safety features required by RIA (Robot Industry Association) Standards, including a live-man switch, emergency stop button and a key to put the pendant into use. Pendant cord length options of 5, 10 or 20 meters can be selected based on the systems where VERIFEED will be utilized. With VERIFEED–Pendant the operator can move to the position they need to be in to safely verify the robot programs for any type of KMT system.

A single VERIFEED-Pendant can be removed from the system and used on other VERIFEED-enabled KMT systems.



Benefits of VERIFEED-Pendant

- A single operator can safely verify and coordinate new and optimized robot programs on a KMT system with multiple robots in a more effective manner, saving labor and programming time on the production system.
- Finite speed control for the entire system can be implemented from a single point of control, allowing operators to keep systems running at reduced speed for some period of time if that assists in maintaining production. For example when the material being trimmed has formulation differences that require the system to be run at a percentage of full speed.
- Cost effective to utilize as one VERIFEED pendant can be used on many systems.

Here's what you get when you buy VERIFEED-Pendant on a VERIFEED-Enabled KMT System:

- VERIFEED-Pendant device with 5 meter cord
- Associated support hardware installed in robot controller and controls enclosure
- Plug that facilitates removal of VERIFEED-Pendant for use on another KMT system
- KMT VERIFEED software

VERIFEED- Pendant options

- 10 or 20 meter cord



VERIFEED™

VERIFEED-Panel Mount was developed by KMT in response to requests by users of single-robot systems that want to be able to adjust the “feed rate” of their systems, just as they were familiar with doing on their CNC machines.

VERIFEED-Panel Mount is a dial device that is mounted in a control enclosure with an appropriate operator sight-line to the robot in the system. The VERIFEED dial can be enabled using an interface on the system control panel and allows the operator to adjust the program speed of the robot with a simple twist of the dial.

Benefits of VERIFEED-Panel Mount:

- The operator can slow down system to accommodate for routing tool wear or material differences that impact achievable cut speed
- Low cost solution for single robot system

Here’s what you get when you buy VERIFEED-Panel Mount on a KMT VERIFEED-Enabled System:

- VERIFEED dial device mounted in controls enclosure
- Associated support hardware installed in robot controller and controls enclosure
- KMT VERIFEED software



VERIFEED-Panel Mount shown top left next to other control panel components

VERIFEED devices can be delivered on new or retrofit onto existing KMT systems that utilize FANUC robots with R-30iA robot controllers.

KMT Robotic Solutions
Creating Value through Automation



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