

The Importance of Tool Control

Foreign Object Debris (FOD) at airports includes any object found in an inappropriate location that, as a result of being in that location, can damage equipment or injure personnel. FOD includes a wide range of material, including loose hardware, pavement fragments, catering supplies, building materials, rocks, sand, pieces of luggage, and even wildlife. FOD is found at terminal gates, cargo aprons, taxiways, runways, and run-up pads.

Maintenance FOD relates to various objects, such as tools, materials or small parts that are used in maintenance activities (e.g. aircraft maintenance, construction works, etc.) and can cause damage to the aircraft body or engines if ingested, cut aircraft tyres, lodge in aircraft mechanisms preventing them from operating properly or injure people when being propelled.

To reduce the risk of FOD, the **Civil Aviation Safety Agency (CASA)** has published a Regulatory System called Part 145 which deals with the approval of aircraft maintenance organisations and outlines what they need to do to make sure no tool or other piece of equipment is left in, on or around an aircraft.

Shadow Foam consists of two layers: a bright base and a black top layer. Every tool has an allocated place, so that it's easy to find. And if a tool is missing from its slot, the bright colour of the base foam will let you see instantly that this tool is in use and needs to be returned. This is called **Visual Tool Control**.



Electronic Tool Control

The kabTRAK roller cabinet is fitted with a highly sensitive sensor system developed by Henschman. It electronically recognizes and records every user opening the toolbox and every tool he or she removes from the foam inlays inside. It reports who is using the tool and will be responsible and accountable for its return to the kit. This helps to reduce the number of misplaced tools and the time wasted while searching for an unreturned tool.

The Benefits:

- **Fast & Effortless:** Issue/return of tools in seconds, identification of missing tools with one click on the screen, monitoring of tools broken/due for service and list to order replacements
- **Safe:** Reliable check that the toolkit is complete (Part 145/ FOD)
- **Transparent:** Instant report if tools are missing, or service/ replacement is needed – on the screen and in the app
- **Efficient:** Reduction of time wasted to issue/return tools and look for misplaced tools



Aviation Apprentice Toolkit

High-quality tools and equipment are important for an Aviation Maintenance Toolkit – to avoid breakage and the risk of FOD resulting from dropping or possibly even losing parts of a broken tool. Quality tools also won't need to be replaced as frequently, saving cost in the long run.

Creating a layout and cutting foam inlays can be a complicated and tedious job, resulting in unorganised toolkits and recutting of foam whenever a tool is added. Your toolkit also needs to include Visual Tool Control measures to be compliant with the CASA Part 145 regulations.

To help reduce your initial investment without compromising on quality, we have developed an Aviation Apprentice Toolkit MKA-1 with a **Modular Foam System**. Starting with a basic set of tools required at the start of the apprenticeship, the apprentice will be able to order additional foam inlays with tools when they become required throughout the course of the training and complete the toolkit inlay by inlay.

- Lower initial outlay for tools and foam
- Standardised list of required tools, customisable if necessary
- Professionally cut foam inlays, saving time and frustration cutting foam

Who we are

Henchman Products is an international single-source supplier of premium tools, specialised tooling solutions and toolkits renowned for their superb quality finish and design.

Henchman was established in the beginning of 1999 in Newcastle, NSW, Australia. Due to our proximity to a large airbase, we were drawn quickly into the aerospace industry within the first year of business to provide toolkitting solutions. Over the last 20 years this has grown to become an extremely significant part of our business for both local and international customers. Henchman has set the benchmark for supplying quality tools to the Aerospace industry and expanded globally while still remaining an Australian owned family business.



Custom Toolkits in Foam



Quality Hand & Power Tools



Electronic Tool Control



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