HENCHMANTRAK

Electronic Tool Control

DURABOOK

Present ID to Access

ALL TOOLS IN

HENCHMANTRAK

FILTER TROLLEY

Serving your business with quality service and tools for over 20 years

Hand Tools

Our story...

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

Henchman was established in the beginning of 1999 in Newcastle, NSW, Australia. The initial focus of our business was on the Electronics industry where Henchman is well recognized today as the national leader in the supply of customized technician toolkits. 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. This has grown to become an extremely significant part of our business for both local and international customers. Since then, Henchman has grown from strength to strength and expanded globally with branch offices in the US, New Zealand, Dubai and Singapore, while still remaining an Australian owned family business.

At Henchman we understand that quality products and timely delivery is largely what our customers demand and deserve. We have gained respect, loyalty and presence in the industry, operating a Quality Management System and being accredited to ISO 9001, reinforcing our dedication to customer service.

We have distribution access to 65,000 stock lines of world renowned tool brands — with a growing range of our own Henchman brand.

Tool Storage & Cases

Our vision...

- Commitment to impeccable customer service
- Positivity, honesty and integrity
- To be recognised as a leading supplier of tooling solutions, toolkits and tools across all industries

Electronic Tool Control

Visual Tool Control

henchman
/ˈhɛn(t)ʃmən/

"A squire or page of honour to a person of rank."

Noun: henchman; plural noun: henchmen

Similar: Follower, supporter, assistant, aide, helper, adjutant, right-hand man, minder, protector

Opposite: Leader

Origin: Middle English, from Old English hengest 'male horse' + man, the original sense being probably 'groom'

helping you to work, professionally

henchman

Electronic Tool Control

HenchmanTRAK™ records every user and the tools or toolkits issued or returned, providing accountability at all times, reducing the number of misplaced tools and increasing efficiency.

Unlike other Electronic Tool Control Systems that use scanning systems or require tool modifications, kabTRAK™ is fitted with a highly sensitive modular sensor system developed by Henchman (Patent Pending).

The status of multiple units is viewable on a central cloud dashboard, where monitoring and reporting of transactions or unserviceable tools is available, making service scheduling of calibratable tools simple.

HENCHMANTRAK

Your Benefits:

- **Fast & Effortless:** Issue/return of tools in seconds, identification of missing tools with one click on the screen to view transactions, 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 unit and on the dashboard

- **Efficient:** Reduction of time wasted to issue/return tools and look for misplaced tools

- **Custom-build:** Fully customizable and scalable to your requirements

Find out more on henchmanTRAK.com

The HenchmanTRAK family

The system currently consists of four key physical products:

- **kabTRAK™** is a premium quality tool cabinet fitted with our advanced sensing system (Patent Pending), designed to make tool control as effortless, reliable and simple for the engineer as it can possibly be. It tracks the issue and return of hand tools and smaller items – right at the point of use.

- **portaTRAK™** is a unique system to track the issue and complete return of portable toolkits using accurate weight measurement.

- **cribTRAK™** bridges the gap using RFID tags and/or barcodes to monitor manual tool movement. This system is used to track the issue and return of portable toolkits or power tools from/to a toolcrib.

- **lokkaTRAK™** incorporates the capability of a cribTRAK™ into a cabinet, providing unmanned and secure storage of larger tools and equipment or smaller toolkits close to the point of use, while limiting access to the items stored inside.

KABTRAK
Mechanical Hand Tools

PORTATRAK
Portable Kits

HENCHMANTRAK
Tool Status Dashboard

CRIBTRAK
Tool Crib Management

LOKKATRAK
Equipment Storage

kabTRAK™ Automated Electronic Smart Toolbox

The patent pending kabTRAK™ system is a smart toolbox that ensures fast and efficient electronic automated tool control. Mechanical hand and power tools are laid out in custom-cut two-coloured foam inlays that make it easy to identify where each tool belongs, and if a tool is missing.

The interactive touch display is easy to use, tracking the issue and return of hand tools and smaller items — directly at your job site.

How it works

When an authorised user presents their access card, they are then requested to select their proposed work location/tail number. The cabinet is then unlocked. As any drawer is opened, the screen will instantly display a live infographic with the status of each tool — tools available, tools issued to other users and tools issued to current user, making it easy to return tools to the correct tool pocket. Once all drawers are closed, the user can instantly lock the cabinet at the push of a button. Should the cabinet be accidentally left unlocked it will automatically lock after a short lapse of time. The status of "tools out" will then show on the guest screen.

Cabinet Sizes

The kabTRAK™ can be fitted with any combination of drawers providing they total exactly the cabinets "useable height":

100mm Height Drawer — actual internal size of 70mm H x 600mm D (Widths shown below)

150mm Height Drawer — actual internal size of 120mm H x 600mm D (Widths shown below)

225mm Height Drawer — actual internal size of 195mm H x 600mm D (Widths shown below)

300mm Height Drawer — actual internal size of 270mm H x 600mm D (Widths shown below)

Part No.	Dimensions (excluding wheels and tablet)			Cabinet "Useable Height" (mm)	Standard Drawer Height Combinations (mm)	Internal Drawer width
	Width (mm)	Height (mm)	Depth (mm)			
KABTRAK-0	710	810	755	675	3 × 100h, 1 × 150h, 1 × 225h	600
KABTRAK-1	1010	810	755	675	3 × 100h, 1 × 150h, 1 × 225h	900
KABTRAK-2	1010	1185	755	1050	9 × 100h, 1 × 150h	900
KABTRAK-3	1410	1185	755	1050	9 × 100h, 1 × 150h	1200

Some distinct Benefits of the kabTRAK™ System

- The kabTRAK™ can manage almost any possible tool variety, for example cutting tools or extremely small tools, and requires no tool modification to work.
- **No delay time:** Every tool movement is recorded instantaneously as a tool is lifted or returned, with no requirement for the drawer to be fully extended and no scanning time.
- **Mobility:** The system can be used outside and has a battery backup.
- **Audit function:** intuitive audit function so that supervisor can clear box prior to aircraft flying
- **Calibration Management:** Restricts use of any tool that has expired, giving an optional step to ensure the user checks the actual date on the tool when issuing, and an early warning to the supervisor of any imminent expiry.
- **Broken tools:** Should a tool be broken during use, on return it can be quickly marked "unserviceable" which will then restrict further use of this tool. A notification can be sent to the supervisor.
- **Wearing tools:** The kabTRAK™ can be kitted up with a debris catchment bin. Should the tool be not only worn out but say shattered into pieces, a return of debris can be accounted for.
- **Consumable items:** The kabTRAK™ can maintain a record of what has been consumed, whilst allowing return of any non-consumed items.
- **Restocking and Re-ordering:** The dashboard or direct messages to the supervisor provide updates of consumed and unserviceable tools, making restocking and re-ordering simple.
- **No camera:** The kabTRAK™ system specifically has no camera fitted to meet requirements of restricted/classified areas.

Comparison of kabTRAK™ with other known Technologies

	kabTRAK™ technolgy	Camera technology	RFID technology
Tool movement detection whilst drawer is open	✓	X	X
No scanning time to capture transactions	✓	X	X
No tool modification needed	✓	✓	X
No light interference	✓	X	✓
No camera fitted — suiting restricted areas	✓	X	✓
No ongoing maintenance, eg: adjustment to sensitivity of system or retagging of tools	✓	X	X

Three key Reasons for selecting a kabTRAK™

There are even more benefits and unique features which could be mentioned.

We recommend a demonstration, however, in our experience, there are three key reasons customers choose a kabTRAK™:

- The kabTRAK™ system operates as fast as you can possibly use it — no system is faster and more user friendly.
- The technology does not require ongoing adjustment (service cost) to maintain its optimum performance. The technology is as optimized on "Day 1" as it will be 5 years down the track.
- Flexibility is extremely high on the list of our customers specific requirements — from tools and cabinet sizes through to software and reporting.

portaTRAK™ Portable Kit Management

The portaTRAK™ is a unique tracking system for the fast issue and return of portable toolkits using accurate weight measurement — down to detecting a missing 1/4 inch drive screwdriver bit.

How it works

After the user signs in with a tap of his card, they place a toolkit on the scales that will be recognized by the portaTRAK™ using an RFID tagging system. The weight of the kit is checked against the recorded weight, and if it matches (within a 4 gram tolerance) the kit will be issued or returned.

Seamless Integration

Multiple portaTRAK™ units can be used seamlessly and they can also be used alongside kabTRAK™ and cribTRAK™. This allows us to tailor a tool tracking solution to your specific requirements.

Features

Should a kit contain a broken tool, it can be marked unserviceable on return, so that the kit can not be issued again until the tool has been replaced or repaired. A note can be added to the kit to inform the supervisor which tool is faulty.

Should the kit contain a calibrated tool, it can have an expiry date recorded in the system to avoid the kit being issued once expired.

The portaTRAK™ can effectively be used for any type of toolset, not only portable type toolkits but also items like fixtures, jigs, test equipment, ... — basically any set of items that should be issued as a set and returned as a set with no missing parts. It is an ideal aid for any toolcrib to ensure tool sets are returned complete.

The standard version of the portaTRAK™ is supplied for kits weighing up to 50kg as a maximum. Customisation for heavier items is possible.
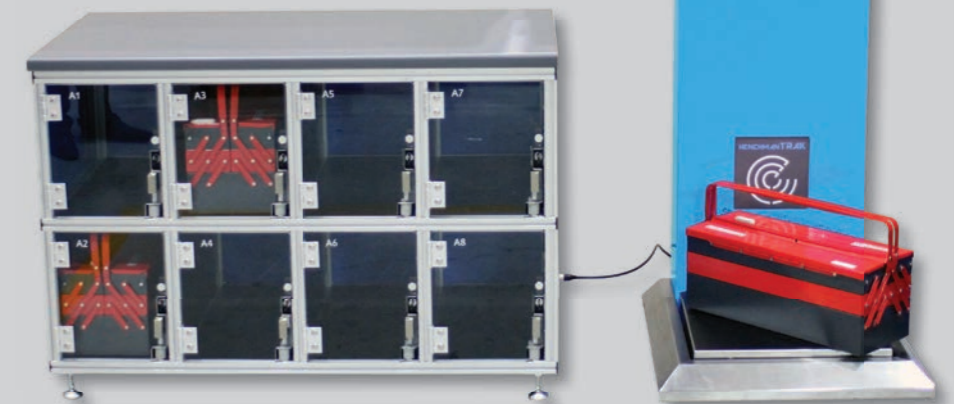
portaTRAK+ Locker Module

The portaTRAK™ can be used as a stand-alone system or its capability can be extended by adding the electrically connected locker module (portaTRAK+). This essentially forms an unmanned and secure storage system for portable kits or specific tools.

The locker modules are customised to suit your specific size tool boxes.

How it works

The user signs in with a swipe of his card, then selects "Issue Kit" on the touch screen and the tail number of the aircraft to be worked on. The portaTRAK+ will then open a locker, giving access to a specified toolkit. The kit is checked according to recorded weight using the portaTRAK™ loadcell.

When returning the kit, the correct weight will be verified and if correct, will open a locker door. Once the kit is replaced and the locker door is closed, the transaction is complete and the status screen updated.

Locker Module   portaTRAK™

cribTRAK™ Toolcrib Barcode System

The cribTRAK™ bridges the gap using RFID tagging and/or barcoding to monitor manual tool movement with a scanning system.

This is the simplest way to track items often stored in a toolcrib, as well as large items that do not fit into portable toolkits or a kabTRAK™.

How it works

To use the cribTRAK™, the user swipes their access badge and enters an aircraft registration number. The user then scans the barcode on the item using the built-in scanner to issue or return the item.

The cribTRAK™ has a green display when all tools are present or red when any tools are out. When tools are out, simply touching the display opens a list of tools issued and the user that took them.

lokkaTRAK™ Locker Cabinet

The lokkaTRAK™ system provides unmanned and secure storage of larger tools and equipment or smaller toolkits close to the point of use, while limiting access to the items stored inside.

Both available versions — RFID and Barcode Scanner - provide access control, inventory management and the recording of tool movements against employee and job number to ensure accountability and traceability, should an item not be returned.

Other features include marking items as unserviceable / replacement needed as well as tracking the calibration status. All data is remotely accessible through the henchmanTRAK™ dashboard, giving a supervisor access to tool status and other reports, to schedule calibration or order replacements.

RFID Automated Locker Cabinet

The RFID version of the lokkaTRAK™ removes all human error by automatically scanning and recording any tool movements.

The user signs in with a tap of their card and enters an aircraft registration number to unlock the cabinet. They can then remove or return items, that are each fitted with an RFID tag. Once the cabinet door is closed, the system scans the contents and records all item movements, before locking and logging the user out.

Barcode Scanning Cabinet

The barcode version of the lokkaTRAK™ incorporates the capability of a cribTRAK™ barcode scanner into a cabinet.

The user signs in with a tap of his card and enters an aircraft registration number to unlock the cabinet. The user then scans the barcode on the item they would like to issue or return using the barcode scanner. The cabinet automatically locks when the door is closed, logging the user out.

Seamless Integration

Multiple lokkaTRAK™ units can be used seamlessly and they can also be used alongside other henchmanTRAK™ solutions.
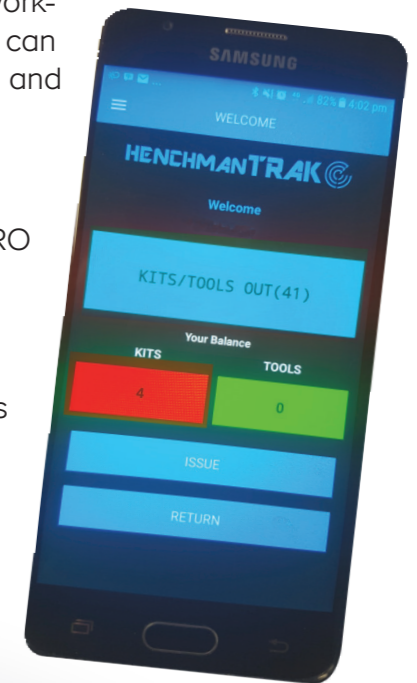
The cribTRAK™ barcode scanner system can be used to monitor and control the access to almost any type of storage solution, including cabinets with multiple doors or with many pigeon holes.

Customization can include:

- Limiting access to specific parts of the cabinet or specific pigeon holes
- Making sure an item is returned to the same spot within the storage
- Including charging stations

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henchmanTRAK™ Mobile App

The henchmanTRAK™ Mobile App tracks the issue and return of portable toolkits against tail number or works order using a smartphone or tablet. It allows for the seamless control and real-time recording of all item movement and engineer workflow data, utilising existing personal devices. The tracked toolkits can be stored in a toolcrib or in unmanned lockers that are accessed and unlocked through the app via Bluetooth.

- Simple, fast and easy to use
- Fully scalable for the use by a single engineer or very large MRO applications
- Cloud-based data storage with central viewing access on the universal henchmanTRAK dashboard
- Seamless integration alongside other henchmanTRAK solutions
- Records are synchronised with the database in real time
- Removal of staff pinch-points experienced with Electronic Tool Control
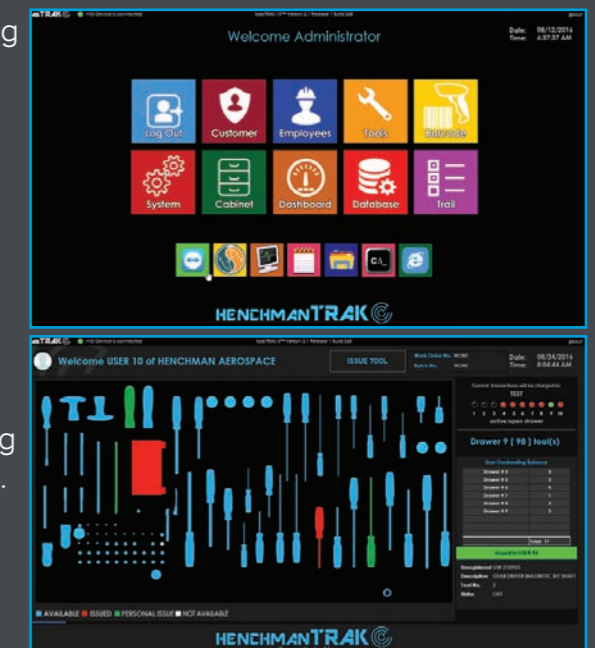
henchmanTRAK™ Dashboard

The henchmanTRAK™ software is a powerful bespoke user interface, with a proven SQL database for records of tooling. Each unit has live integration with a central cloud database. Responsive web portal access to this database provides managers with a live snapshot of tool status including which aircraft they are being used on.

The henchmanTRAK™ smartphone App is simplifying the management of portable kits on the run.

Administrator functions

- User access management
- Entering of aircraft registration numbers
- Recording of serviceable and calibrated tooling
- Extraction of standard or customized reports

The henchmanTRAK™ system can work with existing access badges, or additional tags can be provided. At Henchman we understand that every customer has different requirements and we are able to integrate at certain levels with 3rd party systems.