



Traceability and Quality Control Tool Management
– fully automated and without any interruption of working procedures




01 THE NEW SAFETY STANDARD

With the RFID system, you score better.

Who works where, with which tool? Does the employee have the authorisation needed? Has the tool collection been booked? Does the tool management process work efficiently? Key questions asked in every place that works with sensitive, valuable tools. Friedr. Dick has the answer to these questions – with the RFID system.

The complete system of hardware, software and RFID tools provides immediate and fully automatic tracing of tools used, as well as providing documentation under quality guidelines.

- 
- 01. Your tool management
 - 02. Your tool tracking
 - 03. Your quality management
 - 04. Your individual tracking requirements

You will receive a complete and fully automated overview of your tools – their status, condition, historical location, where they are currently being used or stored and the personnel to whom they have been allocated – at any time, without any interruption of regular operations.

- **Higher safety standards:** costly down time caused by damaged or lost tools can be reduced, and employee awareness raised.
- **Fewer thefts:** each individual knife or tool can be identified explicitly. Its full history can be traced and you can see to whom it is currently allocated.
- **Quality management also stands to benefit:** with the RFID system you can comfortably meet the requirements f. e. of the International Featured Standards (IFS) and confirm your quality standards during customer audits.
- **Additional advantage:** the modular system is flexible and can be adapted to your business premises and individual requirements.
- **Reduced costs:** fewer cases of mechanical damage and batch contamination.
- **Enhanced overview:** precise cost analysis through simple evaluation of data and individual knife use.

02 THE NUMEROUS BENEFITS – IN BULLET POINTS

TOOL MANAGEMENT

Nº
01



- Tamper-proof, individual lifetime coding based on the RFID transponder
- No costly manual labeling of the tools is required
- Quick, direct allocation of multiple package tools to the employee. The tools must not be measured individually
- Fewer thefts
- Inventory overview and documentation of all tools issued, in circulation and in service
- History and tracing from issue through to disposal

TOOL TRACKING

Nº
02



- Full traceability
- Rapid contactless registration at all entry and exit points
- Reduction of costs, resulting from:
 1. fewer cases of mechanical damage caused by lost tools
 2. reduced risk of down time, e.g. due to lengthy searches
 3. speedy tracking in case of a reported damaged incident
 4. documentation for insurance purposes
- No interruption of normal business operations
- Awareness of staff will be increased, as responsibility can be individually assigned
- Cockpit for clear display and control

QUALITY MANAGEMENT

Nº
03



- Automatic documentation in accordance with safety guidelines
- Comprehensive monitoring of working procedures
- Spot checks / status queries directly in the workplace using mobile handheld device or manual records
- Rapid response times, e.g. in the case of defective tools
- Tool checking: unauthorized tools can be blocked
- Detailed documentation with to-do lists for fault correction

INDIVIDUAL CUSTOMER TRACKING

Nº
04



- Monitoring of additional internal guidelines. Registration stations are modularly applicable
- Automatic documentation
Registration of all tools
- Manual tests and supervisory procedures can be revised or discontinued.
- Daily tool issuance with allocation of the tools used, including tracking
- Additional registration stations: grinding room, cleaning, etc.

03

RFID TOOL DISPENSING CABINET: CONTROLLED DISPENSING OF TOOLS IN SECONDS

The unmanned RFID tool dispensing system for safe, fast and efficient supply of goods and tool management, via an RFID tool dispensing cabinet. The tools will be available at any time. Single tools or groups of tools, even in packaging units or means of transport, can be collected in seconds. An LED bar indicates the collection boxes via a visual signal to where the required tool is stored, for the purposes of better orientation.

RFID tool dispensing cabinet:

Modular concept, flexible and expandable



DESIGNS

- Standard stainless steel system
- Various combinations with coloured powder coatings for an additional fee



CONFIGURATION

- Various cabinet configurations with a maximum of 16 boxes
- Variable classification possibilities, individual assembly
- Can be connected to ERP system and company network



DATA

- Weight per shelf: maximum 8 kg
- Maximum load: 200 kg total
- Protection class: IP 65
- Dimensions: W 100 cm x D 60 cm x H 215 cm



04

TOOL MANAGEMENT WITH TOOL SOFTWARE: SEAMLESS TRACEABILITY AND CLEAR ALLOCATION

The doors of the RFID tool dispensing system open automatically after employees have been authorised. In order to do this, they must sign in with their PIN or RFID card on the touch screen of the cabinet. User authorisation is managed on an individualised basis by the software T³ TOOL + TRACK + TRACE. Employees can be barred from certain sensitive products.

→ Quality awareness and self-responsibility

RFID readers which immediately record and clearly classify all processes via a permanent inventory are integrated into the tool dispensing cabinet. A constant target-actual data comparison provides live data regarding the stock in the cabinet, tools in the vicinity and the history of collections and returns. Exchanged, missing or faulty tools are displayed live via the Cockpit display. This makes employees aware of how to deal correctly with high-value tools, and develops more quality awareness and self-responsibility.



05

BENEFITS OF THE RFID TOOL DISPENSING SYSTEM:

- ✓ Tools available at any time
- ✓ Constant up-to-date stock take by means of permanent inventory
- ✓ Reduction of improper and / or unnecessary collection of tools, and thefts
- ✓ Reduction in number of thefts
- ✓ Raised efficiency of work processes
- ✓ Unmanned tool dispensing
- ✓ Increase in product safety and quality standards
- ✓ Significant decrease in costs for entire tool management system

06 IT ALL STARTS WITH THE RIGHT TOOL: THE F. DICK KNIFE SERIES WITH RFID TECHNOLOGY

For the RFID system we have developed special knife series with a turquoise handle that stand out visually from our other knife models. The knives come with RFID technology. RFID stands for 'radio frequency identification'. The system supports the automatic contactless identification of objects, and so simplifies the registration and tracking of data to a considerable degree.

Special features:



Integrated RFID chip with tamper-proof coding



Each knife or tool becomes an individual and unique specimen



Clear allocation to specific members of staff



Automatic and seamless tracing



Replaces tedious and costly manual labeling

Of course the F. DICK ErgoGrip RFID, MasterGrip and Expert-Grip RFID knives have all the outstanding advantages associated with our products which have made us so successful worldwide. **Here are the most important benefits at a glance:**



Tried and tested grip concept: gap-free, non-slip and hygienic



Long blade life means less honing and grinding



Balanced hardness, significantly less consumption of materials



Special handle for painless and effective work



Long-lasting polished blade, corrosion-resistant

RFID technology features in all kinds of tools:
– knives
– sharpening steels
– knife baskets
– protective clothing
– ... etc. etc.

07 THE COMPLETE RFIDICK SYSTEM



08 TOOL SOFTWARE

The T³ TOOL + TRACK + TRACE software can be used to analyse tool management data. It will give you a good overview of individual use of tools, and create a basis for an exact analysis of costs. T³ TOOL + TRACK + TRACE is a network-compatible software, and can be connected to an ERP system or your company network in a variety of ways.

The  **TOOL** software consists of:



TOOL MANAGEMENT

Recording, status requests, documentation, traceability and assessments of all data



EMPLOYEE MASTER DATA

Recording defined employee data



PRODUCT MASTER DATA

Product master data transferred from tool master database



ASSESSMENTS AND ANALYSES

A variety of reports are available, along with immediate status requests



TOOL TRACKING

Complete traceability. Cockpit for clear display and monitoring



RFIDICK GmbH
Esslinger Straße 4-10
D-73779 Deizisau

Tel. +49 7153 817-0
Fax +49 7153 817-219
mail@rfidick.de . www.rfidick.de