⌒RFIDICK
SOLUTIONS

Knifeinspector · *set by Detego software* · **MAIN MENU** · ⌒RFIDICK SOLUTIONS

File   Options   Help

TOOL MANAGEMENT

| ISSUE | STATUS |
| REPORTS | MASTER DATA ADMIN |

TRACKING

| SHIFT MANAGEMENT | SHIFT TO-DO LIST |
| REPORTS | |

QUALITY MANAGEMENT

| CHECK STATUS | 0 VERIFICATIONS |
| REPORTS | |

CENTRAL TOOL ISSUING

| SHIFT BEGIN | SHIFT END |

SHIFT TIMES · 11:52

Current shift time:
Start: 10.11.2016   05:00
End: 10.11.2016   14:00
05:00   14:00

Upcoming shift times:
Start: 10.11.2016   14:15
End: 10.11.2016   23:15
Start: 11.11.2016   05:00
End: 11.11.2016   14:00
Start: 11.11.2016   14:15
End: 11.11.2016   23:15

STATUS OF SHIFT

GO — SHIFT TRACKING   STOP — INDIVIDUAL TRACKING
⚠ 0 WARNINGS   COCKPIT

Employee card reader: Connected   Station: Connected   Database: Connected   Employee: 5507 - Huber, Heinz (Administrator)   20161110_0500 started at 05:00

RFID

MasterGrip RFID

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

---

RFID-TECHNOLOGY

"The food processing industry is in need of a system that facilitates the seamless tracking and management of working tools. Ideally in a contactless and fully automated way, so that it would not be necessary to interrupt regular business processes. Our RFID system offers the perfect solution to meet these requirements."

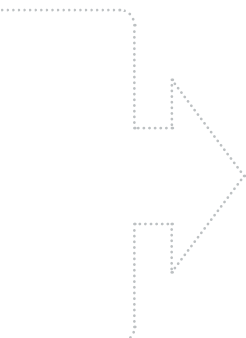STEFFEN UEBELE, DIRECTOR OF SALES & MARKETING

01 THE NEW SAFETY STANDARD FOR THE FOOD PROCESSING INDUSTRY:

With the RFID system, you score better.
The RFID system is the perfectly secure solution which the Food Processing industry has long been waiting for. It improves:

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 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.

TOOL MANAGEMENT №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 knives must not be measured individually

- Fewer thefts

- Inventory overview and documentation of all knives issued, in circulation and in service

- History and tracing from production right through to disposal

TOOL TRACKING №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 №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 №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 IT ALL STARTS WITH THE RIGHT TOOL:
THE NEW 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 new F. DICK MasterGrip 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.

04 A SHARP AND WELL THOUGHT OUT SYSTEM

Touchpanel PC

Reader system

Personnel chip reading device integrated in the table

Tool management
station for issues and returns

THE RFID SYSTEM CONSISTS OF THE FOLLOWING HARDWARE AND SOFTWARE COMPONENTS (P.10):

TOOL ISSUE STATION (see illustration above):
This is where the data for all tools is registered, each tool being clearly
allocated to a specific employee.

HANDHELD (see diagram P. 10)
Mobile control instrument in the form of a handheld device for checking
he tools during ongoing working operations.

TOOL TRACKING STATION:
For the automatic registration and allocation of several tools at once, e.g. at entry and exit
points (see photos on P. 7). Overview of different shifts.

TOOL DISPOSAL:
Disposal and withdrawal of tools at the end of the lifecycle.

KNIFE INSPECTOR PROFESSIONAL SOFTWARE
Evaluation and analysis, tool management, tool tracking, quality management
(see page 10, Overview).

05 YOU WON'T GET PAST THEM UNNOTICED: OUR TOOL TRACKING STATIONS IN ACTION

Every company is different. Our goal was to develop a fully automated system which would not cause an interruption to regular business practices. That is why we are offering our tool tracking stations with different areas of use and different functions in mind. (The hardware is protected up to IP69K).

RFID tool issue and return station for the registration of RFID data (tool data and personal data) when tools are issued or returned.

RFID access station for hygienic double door system with directional information and registration of RFID data (tool data and personal data), with optional facilities for barring access and optical / acoustic warning signals.

Cockpit for clear display and control of registrations in the production shift. Detection of tools and employees in the production area. Registration and live display of exchanged, missing or defective tools. The number of tools already tested and the current shift status are also displayed. Detailed documentation, including to-do lists with all faults and detailed shift report.

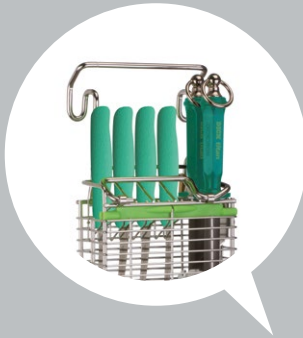# 06 SO EINFACH FUNKTIONIERT'S – OHNE STÖRUNG DES BETRIEBSABLAUFS

I

TOOL REGISTRATION

This is where the data for all tools is registered, each tool being allocated to a specific employee.

II

TOOL ISSUE

After identification at the tool issue station, each employee is given a tool basket with tools which are specifically assigned to them. Rapid and automatic allocation without waiting times.

III

ACCESS CONTROL

When the employee passes through the hygienic double door system (entrance), the reader system registers all the tool data and checks their allocation and status. In case of deviations, an error message will be issued. It all takes no more than a second – so no holdups.

IV

COCKPIT

Everything at a glance: quantity, missing or faulty tools as well as the number of employees and the status of the current shift in the production area are displayed. The number of quality checks already performed is also shown here.

ONGOING CONTROL

During ongoing operations, the tools on site are controlled and documented by means of a mobile handheld device. If necessary the tools can be replaced, blocked, disposed of or removed.

V

EXIT CONTROL

At the end of the shift or during a break, the employees pass through the hygienic double door system (exit). The tool basket is checked by the reader system.

VI
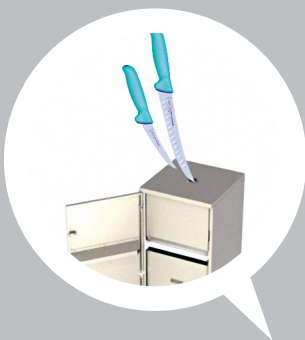
DISPOSAL

Defective and unserviceable tools are withdrawn and disposed of.

VII

REPORTS / STATISTICS

The RFID System allows for comprehensive monitoring of tool use along the entire working sequence. Traceability, quality assurance standards and error messages can be documented and evaluated in reports and statistical tables.

VIII

FROM THE HARD FACTS TO THE
KNIFE INSPECTOR SOFTWARE

Now that you have become familiar with the system modules and our new RFID knife series, we would like to tell you about the corresponding software components. The diagram below illustrates the way in which the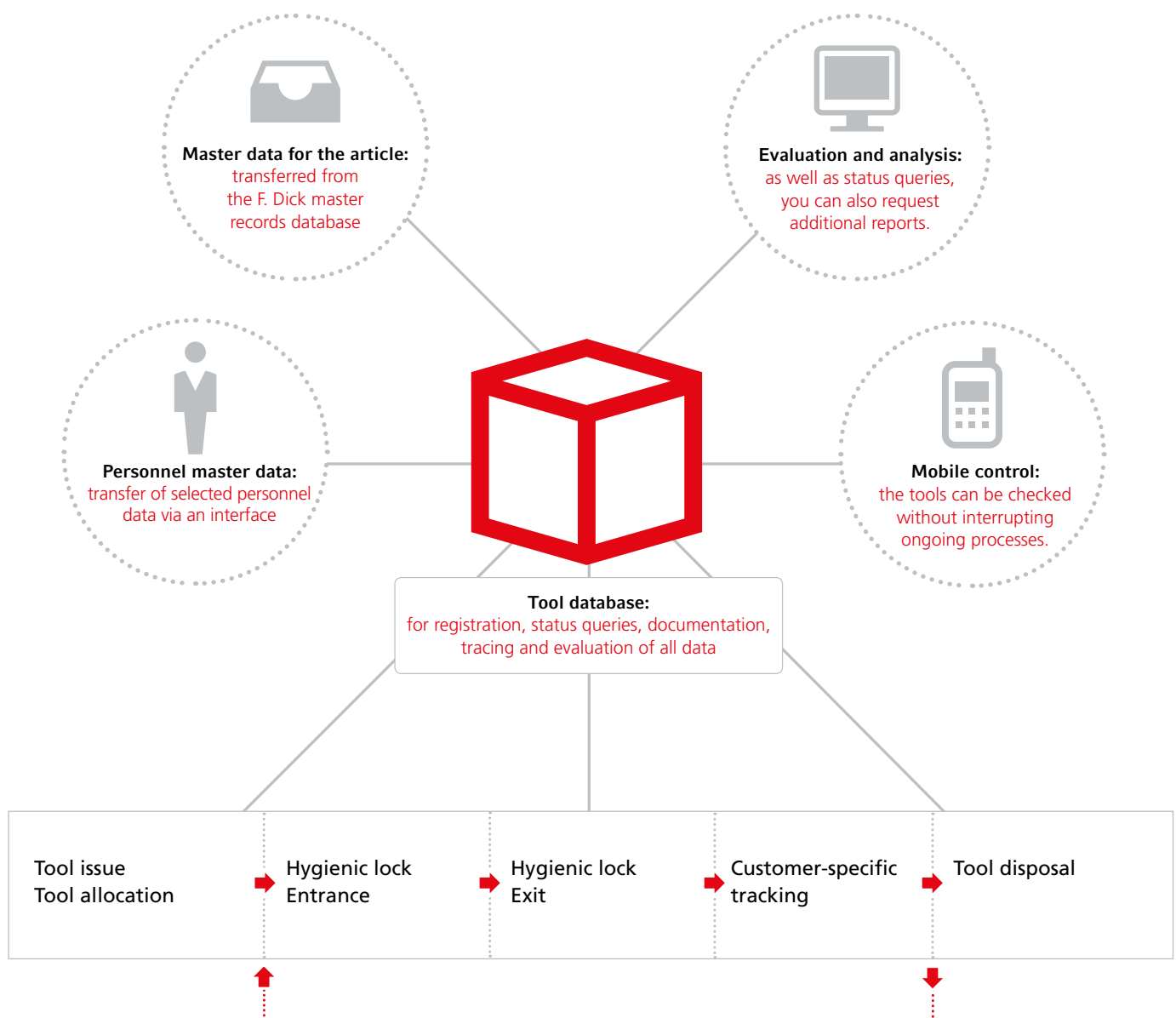 different stations and modules are linked with one another. The software includes the individual modules Tool Management, Quality Management and Tool Tracking and can be expanded to meet increased requirements.

Master data for the article: transferred from the F. Dick master records database

Evaluation and analysis: as well as status queries, you can also request additional reports.

Personnel master data: transfer of selected personnel data via an interface

Mobile control: the tools can be checked without interrupting ongoing processes.

Tool database: for registration, status queries, documentation, tracing and evaluation of all data

Tool issue
Tool allocation

Hygienic lock
Entrance

Hygienic lock
Exit

Customer-specific
tracking

Tool disposal

Microsoft
Partner

OUR RFID KNIFE AND TOOL ASSORTMENT:

Art. No	Description	Series
7 517 130-RF-19	Sharpening Steel round, 30 cm, standard cut	**Regularcut**
7 517 330-RF-19	Sharpening Steel oval, 30 cm, standard cut	**Regularcut**
7 550 330-RF-70	DICK polish, 30 cm	**DICKORON**
7 597 330-RF-19	DICK hygienic oval, 30 cm	**DICKORON**
7 598 330-RF-70	DICKORON oval, 30 cm	**DICKORON**
7 657 130-RF-19	Sharpening Steel round, 30 cm, fine cut	**Finecut**
7 657 330-RF-19	Sharpening Steel oval, 30 cm, fine cut	**Finecut**
9 008 400-RF-71	Magneto Steel HyperDrill	
9 008 500 RF-71	Magneto Steel Polish	
8 2868 13-RF-70	Boning Knife 13 cm, straight	**MasterGrip RFID**
8 2868 15-RF-70	Boning Knife 15 cm, straight	**MasterGrip RFID**
8 2881 13-RF-70	Boning Knife 13 cm, flexible	**MasterGrip RFID**
8 2881 15-RF-70	Boning Knife 15 cm, flexible	**MasterGrip RFID**
8 2882 13-RF-70	Boning Knife 13 cm, semi-flexible	**MasterGrip RFID**
8 2882 15-RF-70	Boning Knife 15 cm, semi-flexible	**MasterGrip RFID**
8 2891 13-RF-70	Boning Knife 13 cm, stiff	**MasterGrip RFID**
8 2891 15-RF-70	Boning Knife 15 cm, stiff	**MasterGrip RFID**
8 2825 21K-RF-70	Butcher Knife 21 cm	**MasterGrip RFID**
8 2825 26K-RF-70	Butcher Knife 26 cm	**MasterGrip RFID**
8 2168 13-RF-70	Boning Knife 13 cm, straight	**ExpertGrip RFID**
8 2168 15-RF-70	Boning Knife 15 cm, straight	**ExpertGrip RFID**
8 2181 13-RF-70	Boning Knife 13 cm, flexible	**ExpertGrip RFID**
8 2181 15-RF-70	Boning Knife 15 cm, flexible	**ExpertGrip RFID**
8 2182 13-RF-70	Boning Knife 13 cm, semi-flexible	**ExpertGrip RFID**
8 2182 15-RF-70	Boning Knife 15 cm, semi-flexible	**ExpertGrip RFID**
8 2191 13-RF-70	Boning Knife 13 cm, stiff	**ExpertGrip RFID**
8 2191 15-RF-70	Boning Knife 15 cm, stiff	**ExpertGrip RFID**
8 2117 21-RF-70	Fish fillet Knife 21 cm, semi-flexible	**ExpertGrip RFID**
8 2159 15-RF-70	Boning Knife 15 cm, wide	**ExpertGrip RFID**
8 2106 15-RF-70	Sticking Knife 15 cm	**ExpertGrip RFID**
8 2106 18-RF-70	Sticking Knife 18 cm	**ExpertGrip RFID**
8 2106 21-RF-70	Sticking Knife 21 cm	**ExpertGrip RFID**
8 2125 21-RF-70	Butcher Knife 21 cm	**ExpertGrip RFID**
8 2125 26-RF-70	Butcher Knife 26 cm	**ExpertGrip RFID**
8 2148 18-RF-70	Butcher Knife 18 cm	**ExpertGrip RFID**
8 2148 21-RF-70	Butcher Knife 21 cm	**ExpertGrip RFID**

● ● MasterGrip RFID and ExpertGrip RFID are also available with a purple and pastel blue handle

Art. No	Description
9 0250 01-RF	Hygienic Knife Holder, 4 knives, 2 sharpening steels, holder for glove
9 0211 01-RF	Hygienic Knife Holder, 10 knives, 2 sharpening steels, holder for glove
9 1655 00 bis 04-RF	Metal Mesh Glove, sizes XS-XL
9 1658 00 bis 04-RF	Metal Mesh Glove with 19 cm cuff, sizes XS-XL
9 1650 00-RF	Metal Mesh Apron 55 x 80 cm

Further products upon request.

RFIDICK
SOLUTIONS

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

RFIDICK
SOLUTIONS