RFID for the jewelry industry

RST INVENT

Jewelers are constantly asking questions: how to promptly make a shipment or accept the goods? How to quickly take an inventory of the sales area and shop windows? How to distribute products to outlets and avoid misgrading?

Until recently, all these processes required the participation of a large number of people, financial investments, took a lot of time and were not effective.

RFID system features

- Quick item counting

- Automation of acceptance / shipment processes

- Obtaining product information without opening the bulk packaging

- Exclusion of misgrading

- Fast and efficient inventory

- Obtaining data for the analysis of demand for specific products

- Informing customers about current promotions

- Anti-theft function

RST®
INVENT

Benefits of Implementing an RFID System

- The minimum set of equipment

- Easy integration with accounting system

- The system is easy to use.

- The order process takes a few minutes

- Accompanying documents are generated automatically

RST INVENT®

Marking options

Jewelry label with integrated RFID tag

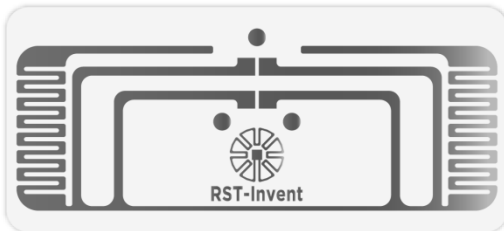It is made specifically for the customer and has a unique design.

- Comes in rolls
- Used for labeling new products and re-labeling
- The tag may be "hidden" in the label
- The encoding of the built-in RFID tag and the printing of information on tags is done using the RFID printer

WinnyTag Duo self-adhesive RFID tag

Translucent or paper RFID tags in the form of a sticker

- Used for marking stocks using RFID technology
- Size 26x12 mm

Desktop RFID readers

RST-CUBE

- Automatic group identification of small items

- Up to 50 units at a time

- The special case design limits the RFID tag registration area and excludes reading tags outside this area

Bookos slim

- Piece identification of products

- Up to 10 units at a time

- Case thickness only 14 mm

- Connects to PC, compatible with Android tablets and smartphones

- Can connect to cash registers for the sale of products

- Applicable when re-wiring products

Mobile RFID Readers

Designed for reading RFID tags in conditions without access to power sources, as well as outdoors.

- Read RFID tags during product search
- Inventory of a warehouse, a trading floor or office premises, acceptance of products in stores
- Automatically transfers data on all operations to the RFID system via wireless Wi-Fi or GSM
- Allows to read RFID tags autonomously at a distance of up to 7 m

RST INVENT

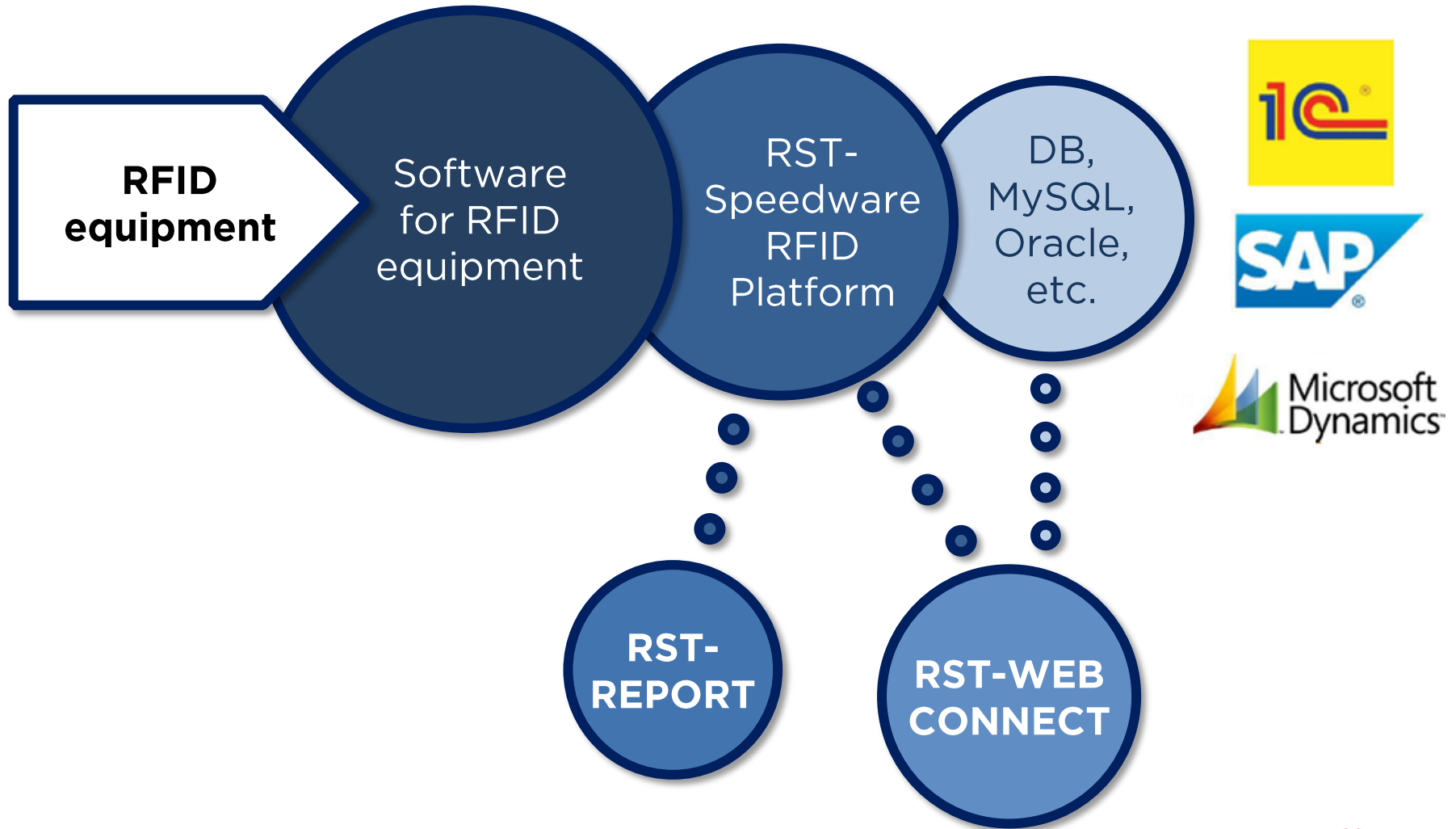# Additional RFID equipment

RFID-BOX

- Designed to showcase jewelry
- Displays product information online
- Informs customers about various promotions for jewelry
- Collects statistics to analyze product demand

RFID printer

Designed for mass storage of information in the memory of an RFID tag and printing of relevant information on a jewelry tag

RST INVENT

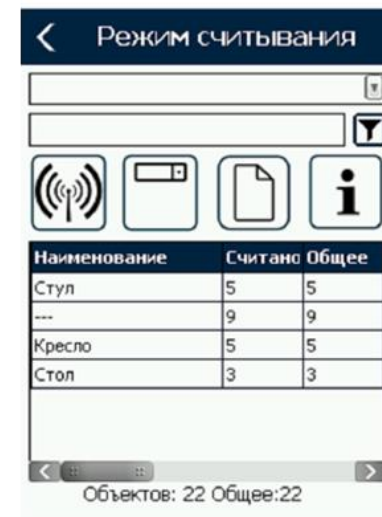# Software architecture solutions

RST-Inventory software

RST-Inventory - the software is intended for primary marking, re-marking of goods, search, inventory and selection of objects marked with RFID tags or jewelry RFID labels.

The software writes identifiers to the memory of RFID tags and sends data about the performed actions to an external information system.

RST-Inventory integrates with the existing customer accounting system.

Primary marking / re-marking

In the "Marking" mode, RFID tags are glued onto accounting objects and their identifier code is compared with the name in the inventory list.

As a result of marking, the read RFID tag will be assigned the item nomenclature of the object from the IP. After sending the report, this information will appear in the IP.

Stages:

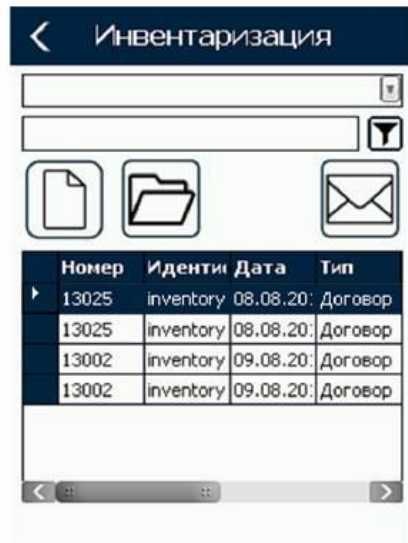| Task creation | Marking task selection | Select a marked product from the list | Recording mode |

Inventory

The "Inventory" mode is the main component for conducting an inventory, search and write-off of fixed assets of an enterprise. As a result of the actions taken, a report is generated on the correspondence of information from the IP to the actual presence of objects in a specific location. Also, if the reader detects objects that are irrelevant to this location, the system will automatically notify the user of this and send a notification to the IP.

Stages:

Inventory task selection
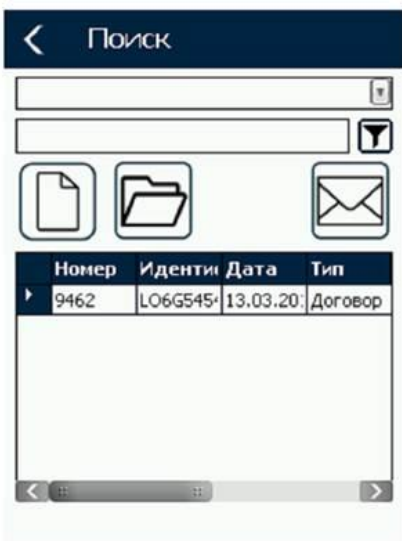

Reading Mode

Filter by item

Search

Carries out an accurate search for accounting objects recorded in the inventory sheet. As a result of the actions taken, a report is generated on the availability of a particular object. Also, if the reader detects objects that are irrelevant to this location, the system will automatically send a notification to the IP.
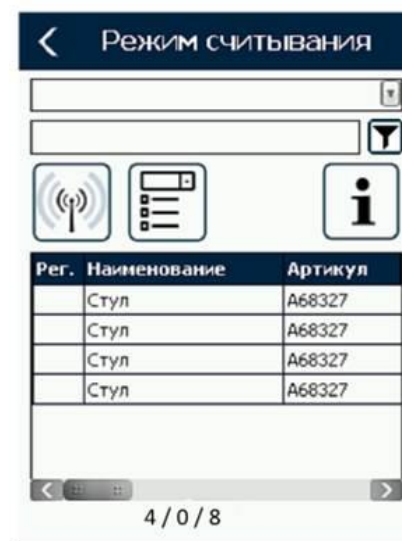
Stages:

Search task selection

Reading Mode

Filter by item position and display expanded list

Company introduction

RST-Invent – is a Russian RFID-tags and equipment vendor, RFID-system and software developer.

Work experience since 2005

Own RFID-tags and equipment facilities in the Leningrad region

Geographic reach:
RF, USA, Asia, Europe

A full cycle of competencies in RFID: from the development of the element base to the implementation and maintenance of ready-made solutions

"RST-Invent" company - is part of the Group of "Systematic"

GCS

Contact information

Saint-Petersburg
Nepokorennikh pr., 49,
office 701

+7 (812) 318-17-17

Moscow
str. Nametkina, 10A,
building. 1, office 112

+7 (495) 640-78-48

✉ **info@rst-invent.ru**

🌐 **www.rst-invent.ru**