RFID-solutions

for drug authentication

RST INVENT

Tasks solved

- product protection from counterfeit at the level of a single package/flacon

- automation of products tracking on item level from manufacturing to sale

- distributorship control (cross-sell protection)

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System components

RFID-tag

During manufacturing every units of pharmaceutical products are marked by RFID tag with unique identifier using for tracking and authentication of a product.

If necessary, tag can be integrated into the product label with allowance for the graphic and text elements of the label, as well as the specific operating conditions of the marked object.

RFID-tag can`t be falsify or duplicate

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System components

Mobile Handheld Reader

Used for operational and planned audit of date of consumption and pharmaceutical products authenticity
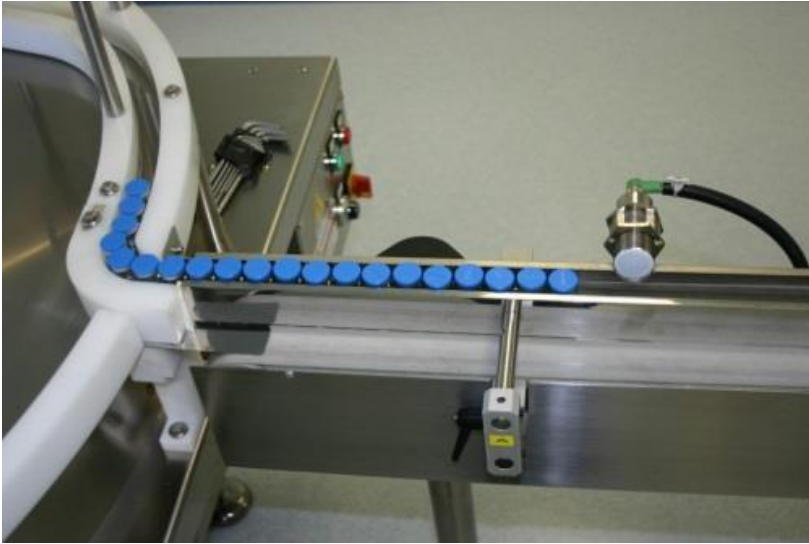
All registration realized by the device are automatically recorded in a central database for the preclude the possibility of collusion with the auditor.

Desktop reader

Intended for independent verification of the authenticity and date of consumption of pharmaceutical products by consumers of pharmacy products, as well as employees of medical institutions and pharmaceutical centers.

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System components

Conveyor rejecter system

Intended for signaling RFID-tag missing or damaging to prevent unmarked products to individual and group package.

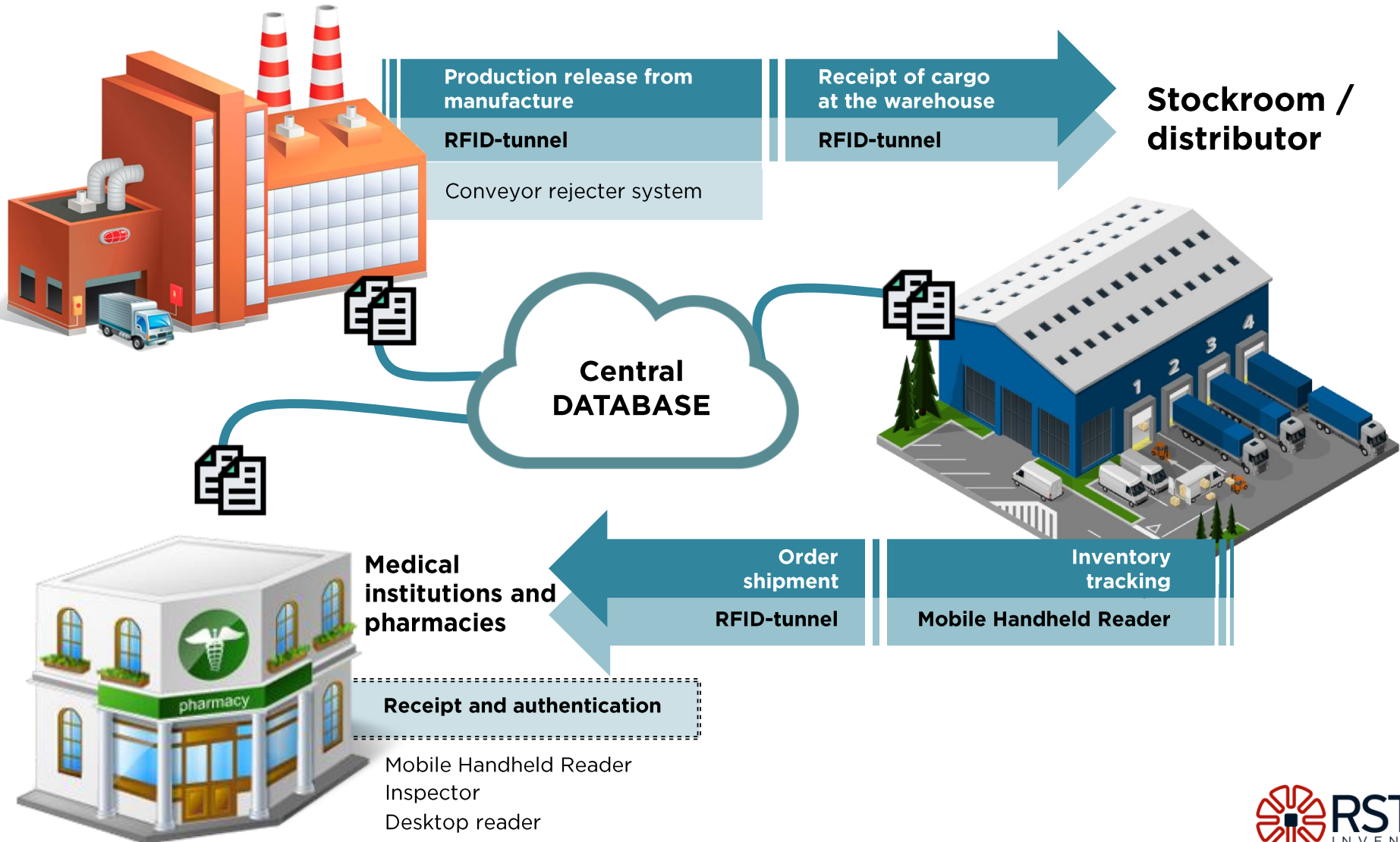Provides verification at conveyor line speeds of up to 8 objects per second.

RFID-tunnel

Performs group registration of products in packages with a capacity of up to 200 marked units. Used for the following operations:
• initial registration of finished goods at manufacture yield;
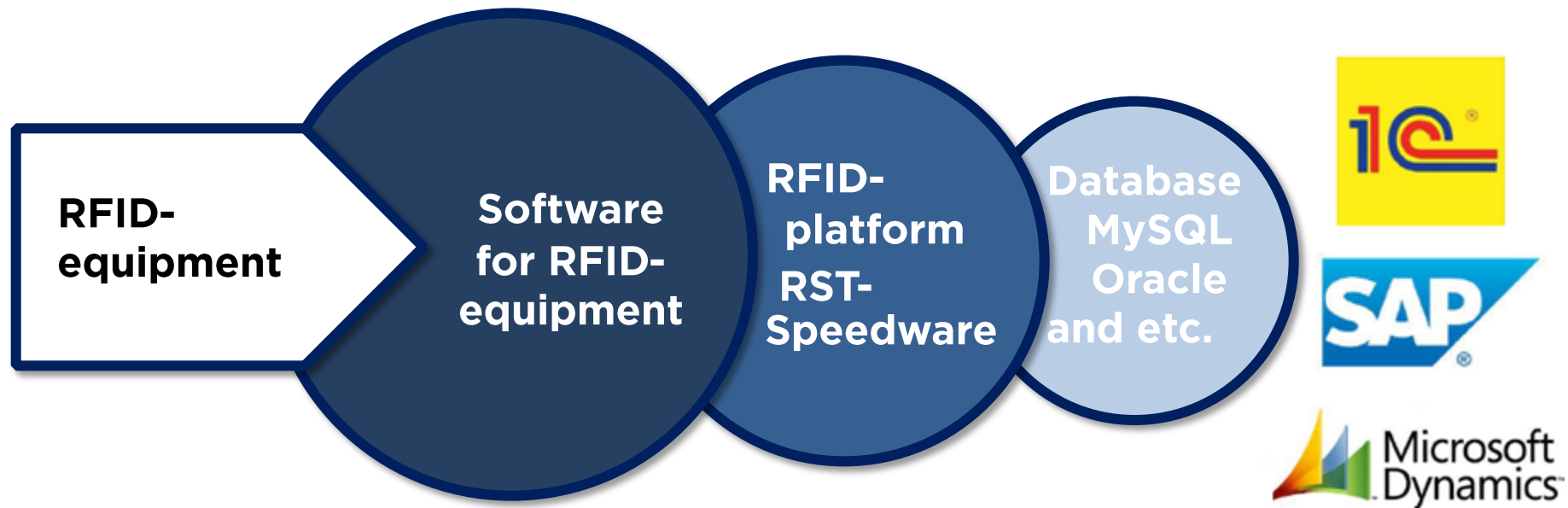• receipt and shipment of goods in stockrooms.

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System components integration

Manufacture

Production release from manufacture

RFID-tunnel

Conveyor rejecter system

Receipt of cargo at the warehouse

RFID-tunnel

Stockroom / distributor

Central DATABASE

Medical institutions and pharmacies

Order shipment

RFID-tunnel

Inventory tracking

Mobile Handheld Reader

Receipt and authentication

Mobile Handheld Reader
Inspector
Desktop reader

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Software architecture of RFID-solutions

The proposed solution includes modules that automate all the processes of the life cycle of pharmaceutical products, from production to sales.

Company introduction

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

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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

Advantages of RST-Invent

Turnkey engineering of RFID solutions

Flexible pricing for own products

Wide capabilities for customization of products and solutions

Technical support and service at all stages of the project

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