END OF LINE SOLUTIONS WITH **TRACK & TRACE**

EVERYTHING FROM ONE SOURCE – A SINGLE POINT OF CONTACT
COMPLIANT WITH INTERNATIONAL STANDARDS, COST-EFFECTIVE & FUTURE-PROOF
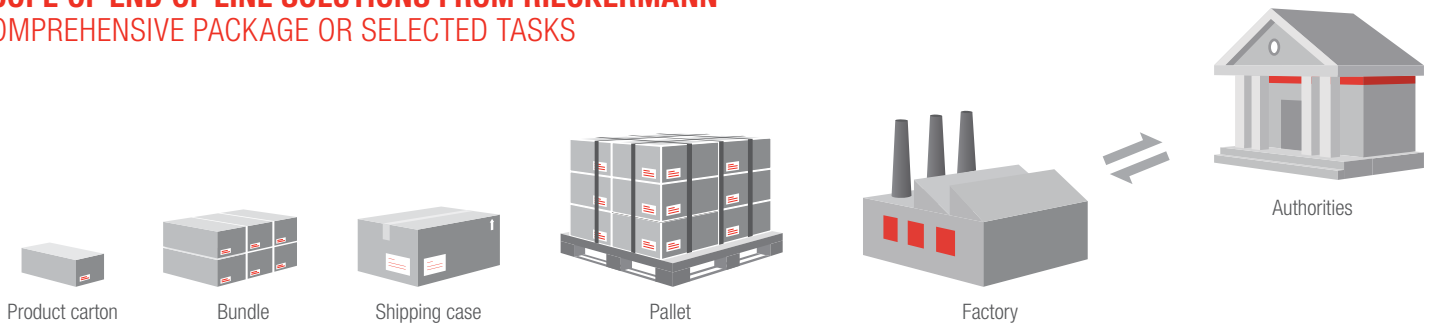
OUR DELIVERABLES

Integrated end of line solutions
- Product cartoning machines with leaflet dispenser
- Wrappers, case packers & palletizers
- Customized machinery for specific needs
- Consulting, planning & implementation
- Factory life cycle management
- Financing

Track & trace solutions
- Serialization & aggregation for all products
- Individual machines or integrated devices
- Comprehensive packages including bi-directional data transfers between machines (level 0/1) & external entities (level 5)
- Customization of equipment & software possible

SCOPE OF END OF LINE SOLUTIONS FROM RIECKERMANN
COMPREHENSIVE PACKAGE OR SELECTED TASKS

Product carton   Bundle   Shipping case   Pallet   Factory   Authorities

Serialization | **Aggregation**

Packing & handling processes

Track & trace processes

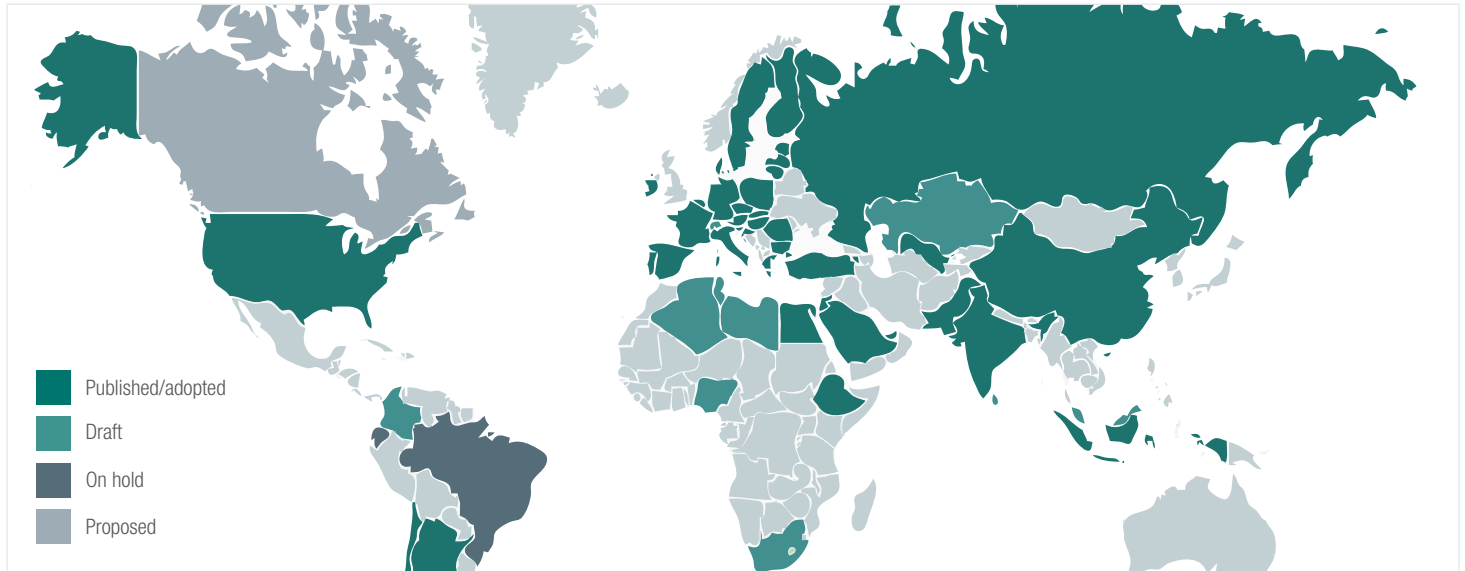# TRACK & TRACE SETS PHARMA INDUSTRY IN MOTION

New regulations
- Authorities put traceability regulations into effect
- Many countries already affected & further countries will follow

Export
- Export to respective countries requires product traceability
- Early birds increase their business opportunities

Global track & trace activities

- **Published/adopted**
- **Draft**
- **On hold**
- **Proposed**

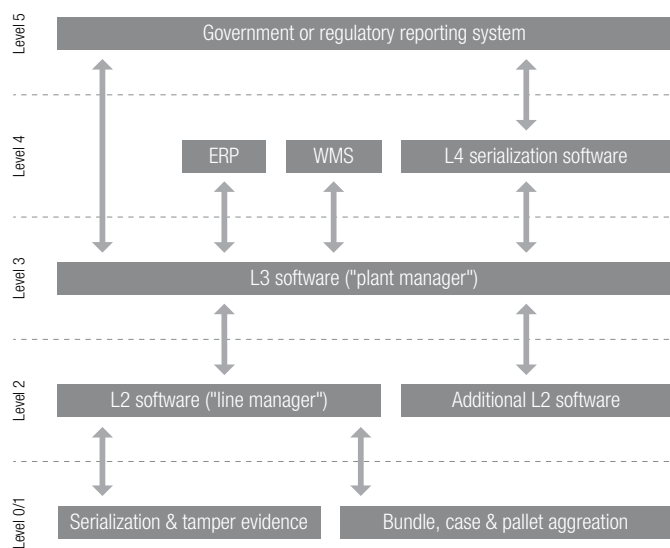# EFFECTIVE TRACEABILITY SOLUTIONS FROM OUR PARTNER VISIOTT|TPS

General scope
- High-quality machines & devices for level 0/1
- Powerful software for levels 2 & 3
- Interfaces between levels 3/4 & levels 3/5
- Consultation, full implementation & prompt after sales support available both remotely or by local Rieckermann representatives
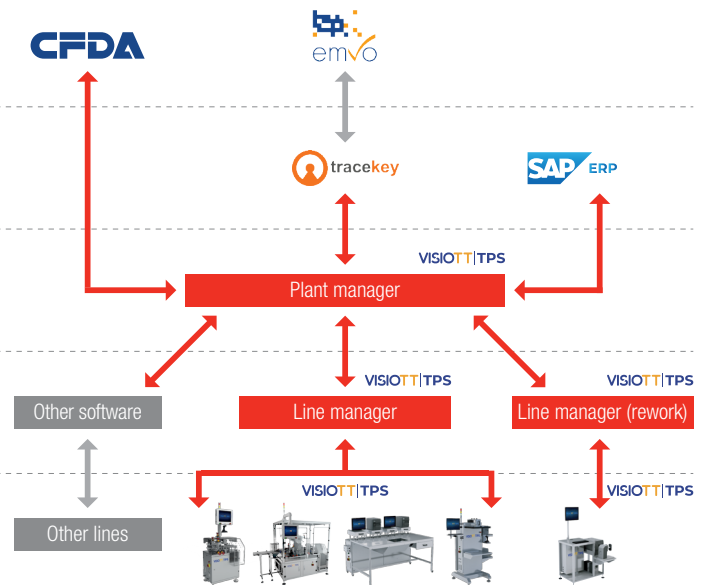
Particular features
- Experienced in various government reporting systems
- Customizable setup catered to individual needs (manufacture & rework)
- Extensive integration with multiple third-party products (Oracle, SAP, Microsoft Dynamics, TraceLink, tracekey, arvato, RFXCEL, SYSTECH, OCS, PCE & others)
- Establish new track & trace systems or even finalize an existing configuration

Generic system structure

Level 5	Government or regulatory reporting system
Level 4	ERP / WMS / L4 serialization software
Level 3	L3 software ("plant manager")
Level 2	L2 software ("line manager") / Additional L2 software
Level 0/1	Serialization & tamper evidence / Bundle, case & pallet aggreation

Example: Integrated solution with own & 3rd party equipment
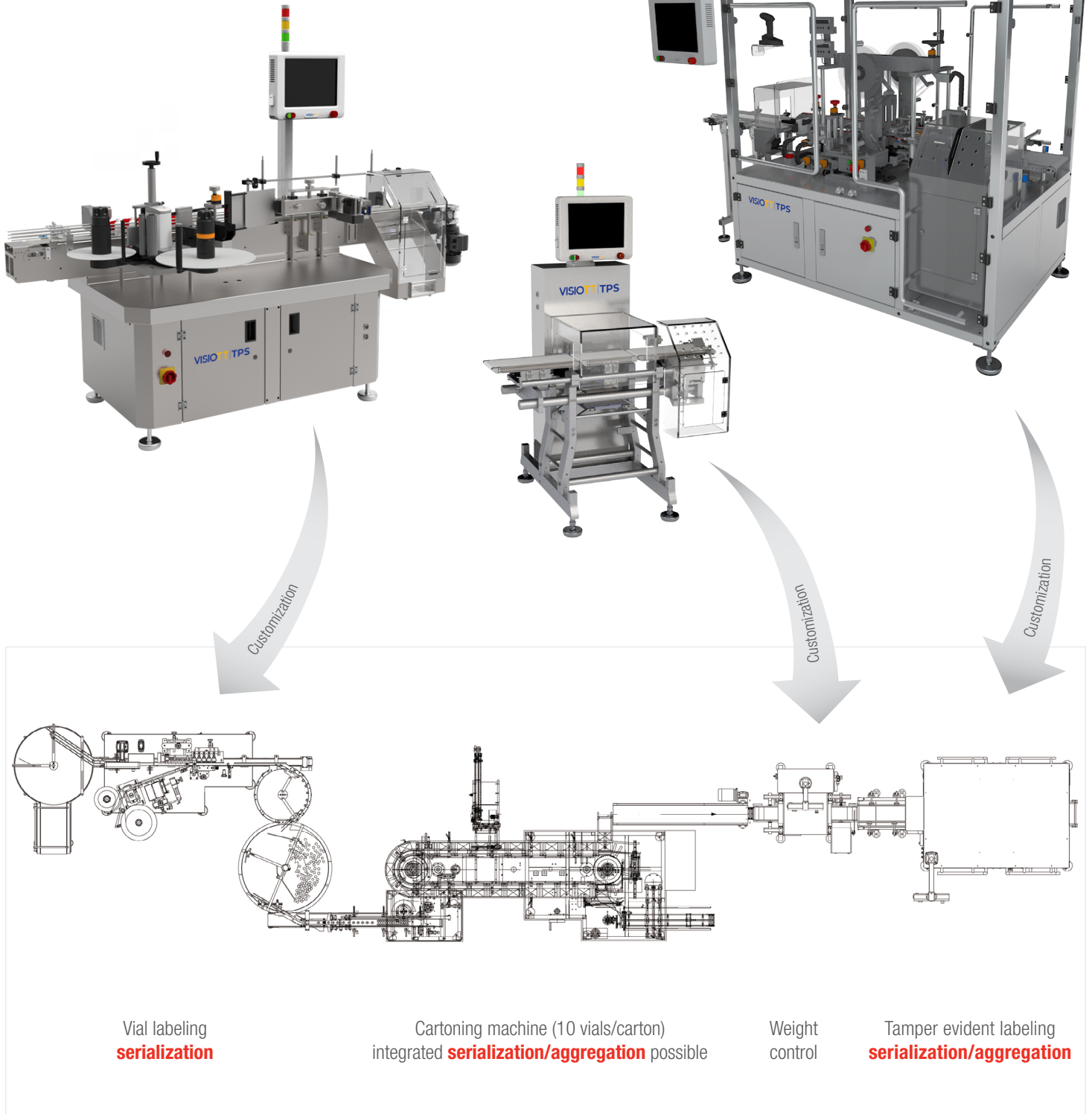
IMPRESSIONS OF THE EQUIPMENT

Individual machines

- Inline or offline use possible
- Serialization of vials, bottles, product cartons, blisters, Tetra Paks & others
- Aggregation of bundles, cases & pallets
- Further deliverables: checkweighers, tamper evident labelers, labelers for conventional use (upgradeable for serialization) & hologram applicators

Integrated devices

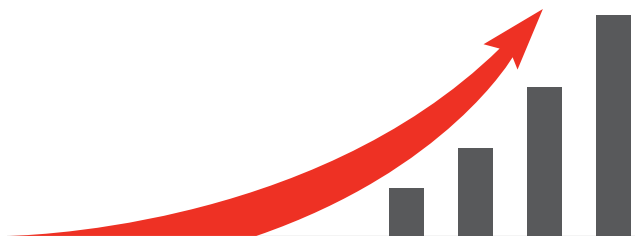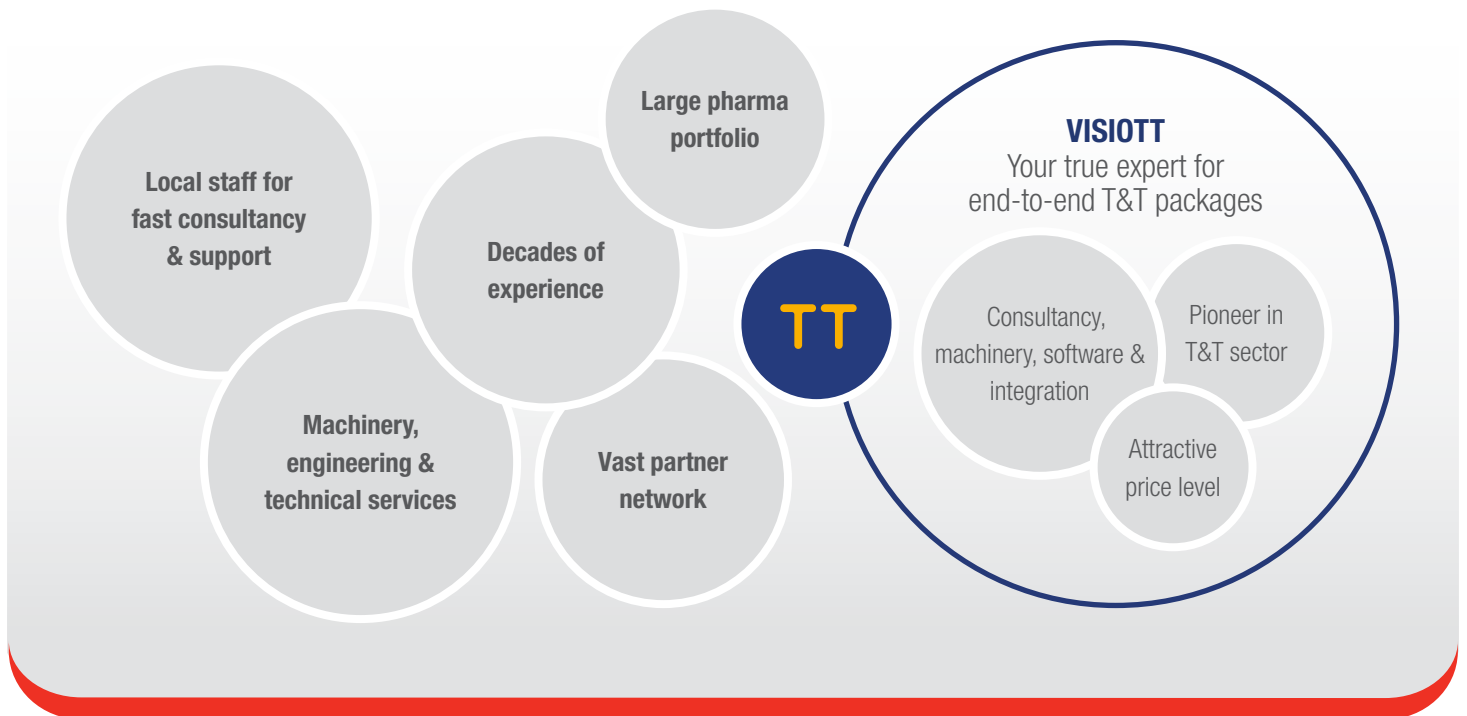- Same basic functionalities as machines
- Integrated into existing lines or machines of co-suppliers

Medium-sized end of line section supplied by Rieckermann

Customization

Customization

Customization

| Vial labeling **serialization** | Cartoning machine (10 vials/carton) integrated **serialization/aggregation** possible | Weight control | Tamper evident labeling **serialization/aggregation** |

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Vast partner network

TT

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For the pharmaceutical industry Rieckermann supplies solutions and services for the processing, production, and packaging of all types of pharmaceuticals in liquid, solid, or semi-solid form. Furthermore, we serve customers who produce active pharmaceutical ingredients, medical devices, and cosmetics.

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