



Rowa[®] Dose system

Reliable and efficient pouch packaging

Rowa[®] Technologies



The Rowa[®] Dose system

Reliable and efficient pouch packaging

The Rowa Dose system sets new standards for pouch packaging machines in pharmacies, hospitals, and pouch packaging centers. State-of-the-art technology allows high-quality, reliable, and, at the same time, cost-efficient packaging of solid, oral medicines. Rowa Dose is suitable for unit, multi, and combi doses.

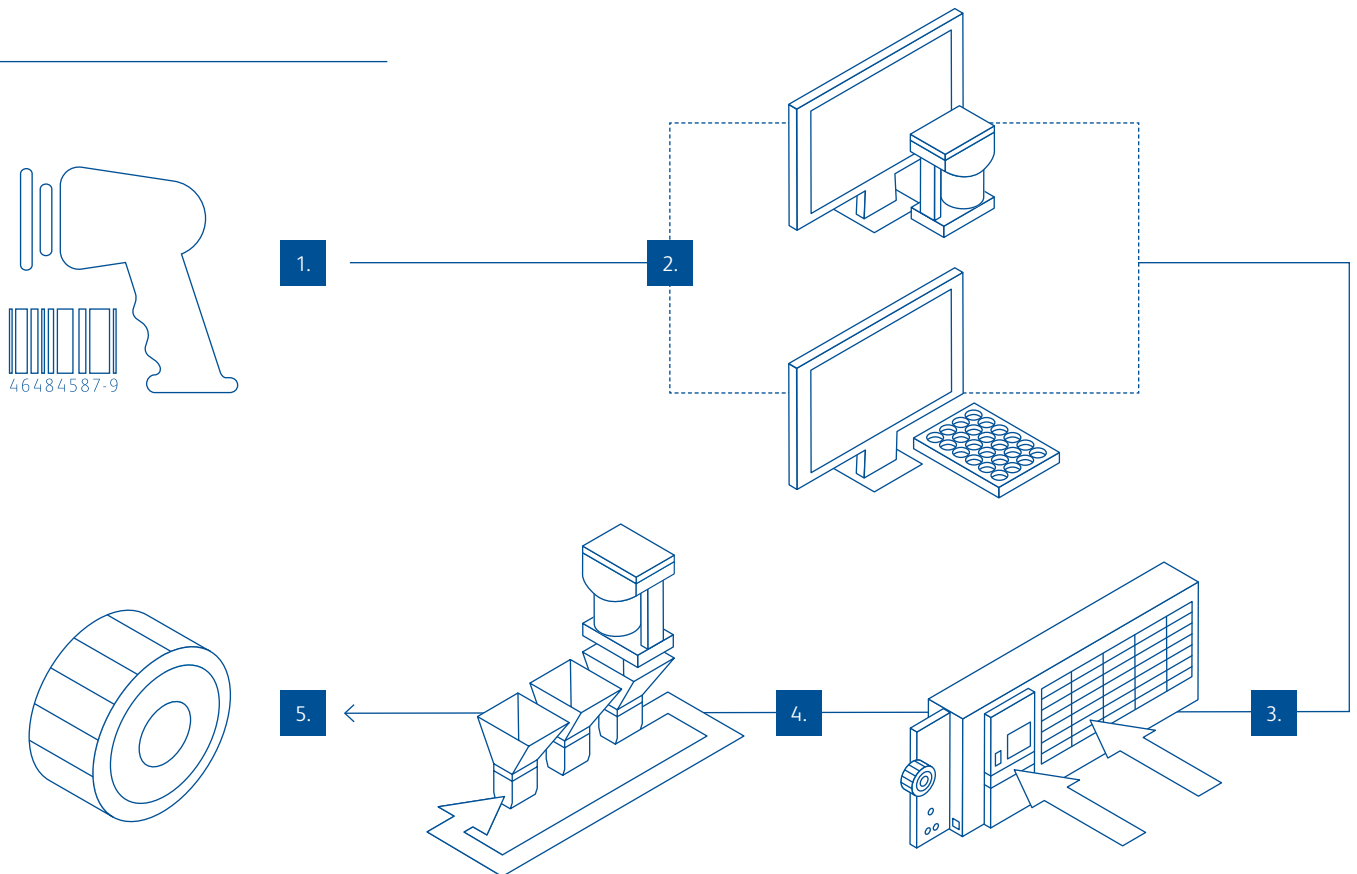
- ✓ **Rapid and reliable**
Innovative technology ensures high speed and reliability.
- ✓ **Expandable**
Modular configuration allows simple expansion.
- ✓ **High capacity**
A broad spectrum of different medications can be dispensed from up to 700 canisters. They are reliably detected by RFID chips and can be easily exchanged if and as necessary.
- ✓ **Also suitable for special shapes**
Additional flexibility is provided by a double tray unit, which make it possible to integrate medications and special shapes (e.g., split medications) into the pouch packaging process which are not available in canisters.
- ✓ **Continuous pouch packaging process**
Numerous blister pouches can be prepared at the same time and packaged without interruption. Direct access to all canisters throughout the production process.
- ✓ **High pharmaceutical safety**
Improved transport routes ensure medications are only exposed and reduce the risk of breakages.
- ✓ **Convenient, complete cleaning**
All the components which come into contact with the blister-packaged medications can be easily removed and thoroughly cleaned.



Rowa[®] Dose

The Rowa Dose system packages solid oral medications in patient-specific blister pouches. The system can be expanded with modular components and offers the ultimate in medication safety.

Blister packaging production workflow



Steps

1. Scanning and assignment of medication packagings / bottles and canisters / trays
2. Medications are removed from blister packaging and filled into the assigned dispensing units
3. Introduction into the production process
4. Collection of medications through crossing down pipes and collection funnels
5. Medications in blister pouches

Technical data

Machine dimensions

Width	Min. 3.08m, max. 6.92 m (in 96 cm intervals per module)
Depth	1.14 m
Height	2.19 m

Canister dimensions

Large canisters (DxWxH)	115 × 77 × 128 mm (515 ml)
Small canisters (DxWxH)	115 × 77 × 96 mm (407 ml)

Canister positions in Rowa Dose (1 – 5 modules)

Canister module installed	Large canisters only	For combinations of large / small canisters or just small canisters
1	80	140 (of which max. 80 large canisters)
2	160	280 (of which max. 160 large canisters)
3	240	420 (of which max. 240 large canisters)
4	320	560 (of which max. 320 large canisters)
5	400	700 (of which max. 400 large canisters)




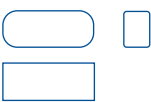

Machine

Machine speed	Average 1.5 pouch / second	
Electrical Parameter	8 A, 230 V, 50 / 60 Hz	15 A, 120 V, 50 / 60 Hz

Power consumption	1 module	2 modules	3 modules	4 modules	5 modules
Utilization 100 %	750 W	875 W	1,000 W	1,125 W	1,250 W
Utilization 50 %	450 W	575 W	700 W	825 W	950 W
Utilization 0 %	200 W	300 W	400 W	500 W	600 W
Weight	1,349 kg	1,760 kg	2,172 kg	2,584 kg	2,996 kg

Color	White (RAL 9016)
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Tablet shapes and sizes*

Shape	Specification	Processing	Dimensions	Minimum (mm)	Maximum (mm)
Round and flat tablets	$\frac{\text{Thickness around edge}}{\text{Thickness in the center}} \geq 0,8$ 	Canister	Diameter	3	18
			Thickness	1.5	8
		Tray unit	Diameter	3	25
			Thickness	1.5	8
Round and convex tablets	$\frac{\text{Thickness around edge}}{\text{Thickness in the center}} < 0.8$ 	Canister	Diameter	3	18
			Thickness	1.5	8
		Tray unit	Diameter	3	25
			Thickness	1.5	8
Oval tablets	$\frac{\text{Width in the center}}{\text{Width at rounded corners}} \geq 1.5$ 	Canister	Diameter	3	18
			Thickness	1.5	8
		Tray unit	Diameter	3	25
			Thickness	1.5	8
Oblong tablets	$\frac{\text{Width in the center}}{\text{Width at rounded corners}} \leq 1.05$ 	Canister	Length or width	3	18
			Height	1.5	8
		Tray unit	Length or width	3	25
			Height	1.5	8
Spherical tablets	Length = Width = Diameter	Canister	Diameter	3	8
		Tray unit	Diameter	3	25
Capsules	Standard German dimensions: 21.6 × 7.5 mm 19.4 × 6.8 mm 17.6 × 6.2 mm 21.6 × 7.5 mm 15.7 × 5.7 mm 14.3 × 5.2 mm 	Canister	Diameter	3	8
			Length	3	25
		Tray unit	Diameter	1.5	8
			Length	3	25
Specific designs / Special sizes	All imaginable designs within the ranges of the minimum and maximum tablet sizes	Canister	–	On request	On request
		Tray unit	–	On request	On request

* This overview is only intended as a reference and the specifications given are to be understood as guidelines.
The processing of individual tablets must be verified by BD Rowa.



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