

2.6 Maschinenübersicht

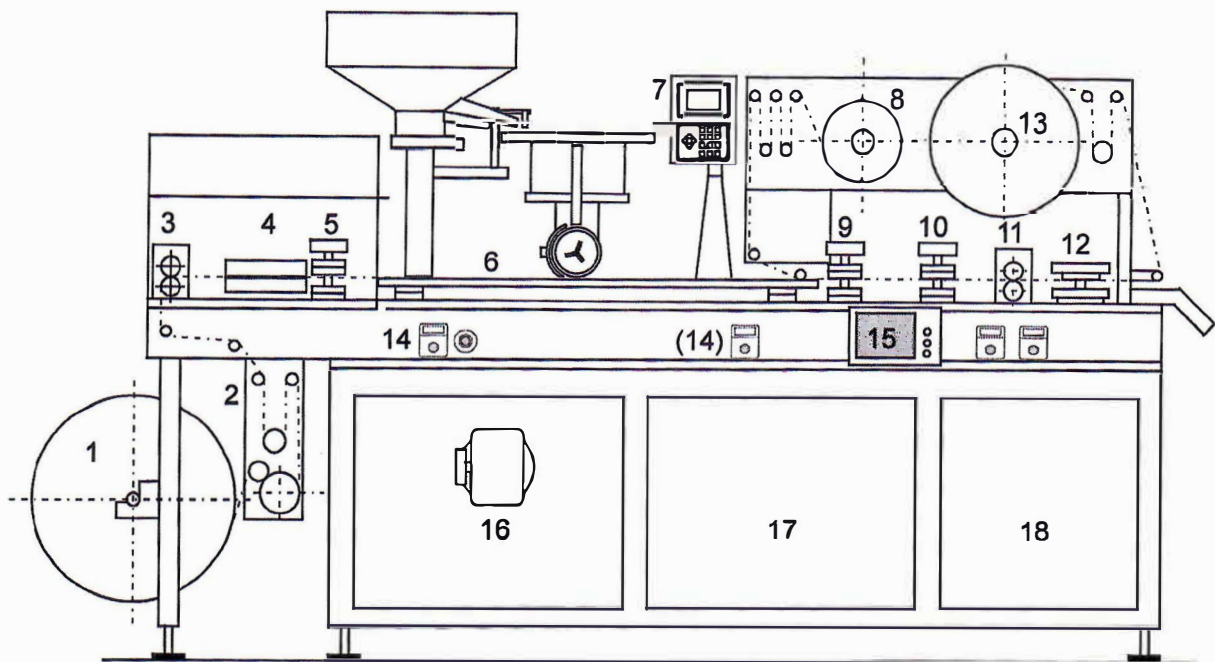
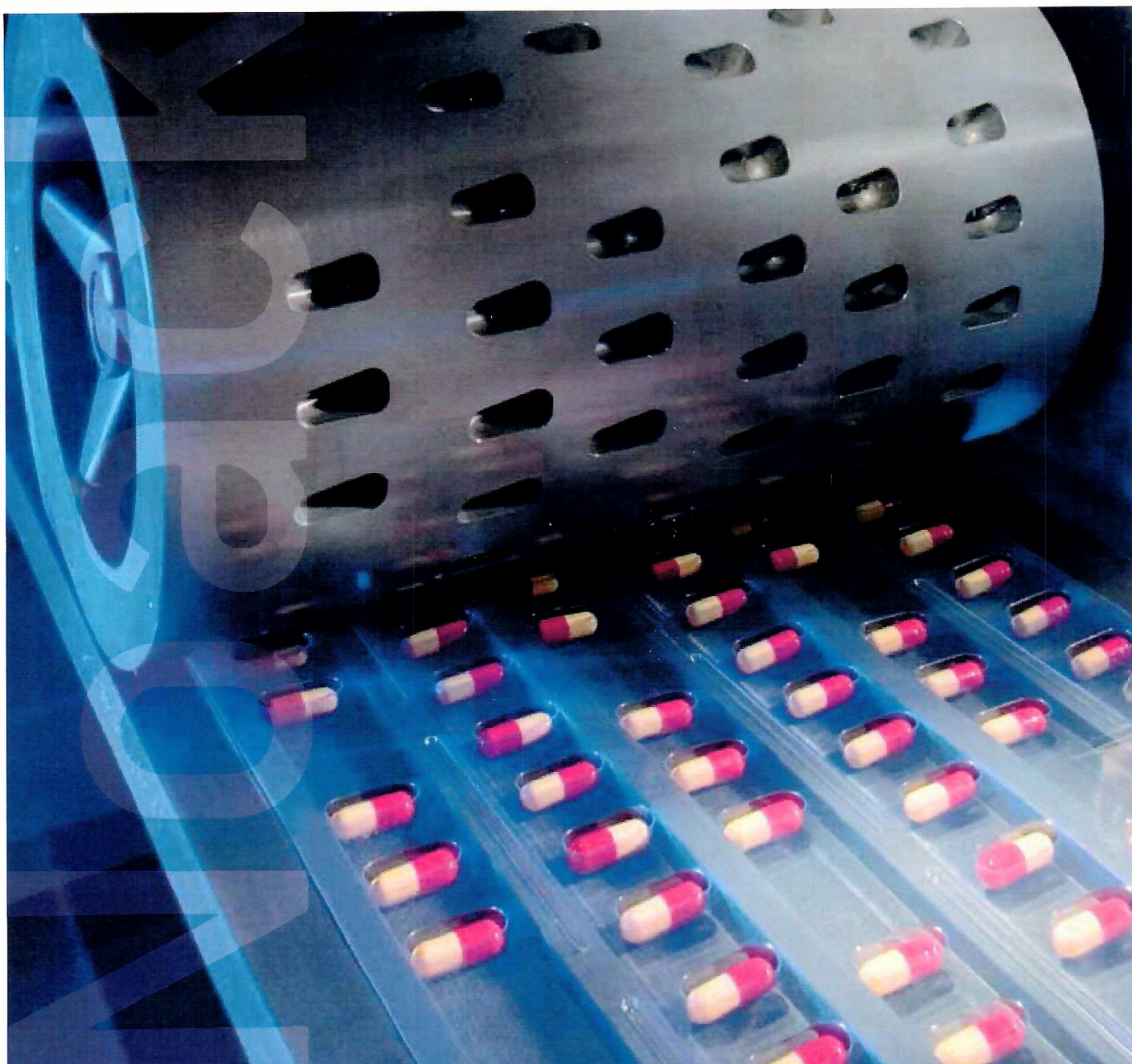


Bild 2.6.1 Maschinenübersicht

- | | |
|-------------------------------------|---|
| 1 Formfolie | 10 Perforierstation |
| 2 Formfolienabwicklung | 11 Abzug rechts |
| 3 Abzug links | 12 Stanzstation |
| 4 Heizstation (Kontakttheizplatten) | 13 Restfolienaufwicklung |
| 5 Formstation | 14 Stationsverstellung |
| 6 Füllstrecke | 15 Bedienpanel |
| 7 Füllkontrolle | 16 Hauptantrieb |
| 8 Deckfolienabwicklung | 17 Schaltschrank |
| 9 Siegelstation | 18 Druckübersetzer oder Hydraulikaggregat |

2.1 Technische Daten

Technische Daten	
Folienbreite max.	165 mm
Vorschublänge max.	140 mm
Nutzfläche	156 x 138 mm
Ziehtiefe max.	24 mm
Foliendurchlauf max.	5 m/min
Stanztake max.	40/min
Arbeitsweise	getaktet
Verformung	mit Druckluft bei Bedarf unterstützt durch Vorstreckstempel; bei ALU-Formung mit Ziehstempel
Rollen-Ø Bodenfolie max.	600 mm
Rollen-Ø Deckfolie max.	250 mm
Kern-Ø, jeweils	70/ 76mm
Spannung Standard	3 x 400 V, 50 Hz <u>ohne</u> Nulleiter
Anschlußwert je nach Maschinen- ausrüstung	8,5 - 15 kW
Luftdruck	min. 6 bar, max. 8 bar
Luftverbrauch	ca. 200 NL/min
externe Kühlung	10 l/min, max. Temp. 15°C, max. 3 bar
Produktzuführung	manuell oder vollautomatisch
Maschinenabmessungen (ohne automatische Zuführung)	3,00 x 1,00 x 1,70 m
Bruttogewicht	ca. 1100 kg

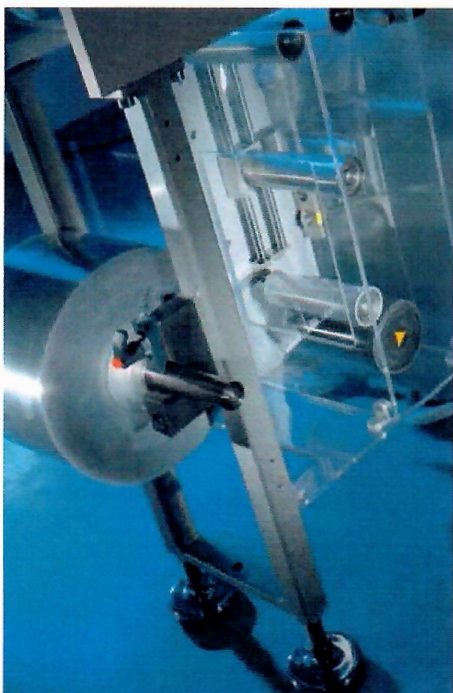


Noack DPN 760 and N 623

Platen Sealing
Blister Packaging Machines



Touch panel



Foil unwind system

Small Footprint, High Flexibility

Over 600 DPN 760 machines in operation world-wide are proof of the confidence users in ethical, generics and contract sector place in Noack technology. The flexibility of the intermittent motion DPN 760 provides both operation in a stand-alone basis, as well as integration with the cartoner, such as the Promatic P91 horizontal cartoning machine.

As a compact, entry-level solution, it is ideal for start-up operations but also offers a number of upgrade options to increase productivity. Its proven technology has been continually enhanced to serve the changing needs of the marketplace, establishing the next generation DPN 760 as a key choice within the contract and generic markets, where fast changeover, reliability and high utilization are essential.



Highlights DPN 760

- Quick changeover thanks to latest servo technology, format parts with quick release, lightweight format parts and electronically stored format parameters
- Processes all common thermoformable films
- Established and successful experience with alu cold forming
- Powerful PLC with operator-friendly touch panel
- Upgrade options include automatic feeding systems, filling inspection and ejection station, in-line foil printer, print mark registration and complete line with Promatic cartoner
- All Noack format parts are tested and optimized on one of our dedicated test machines

Applications

- ◇ Tablets, capsules, caplets
- ◇ Ampoules and vials
- ◇ Syringes
- ◇ Multiproduct and child-resistant blister packs
- ◇ Medical devices (diagnostics, transdermal patches and others)
- ◇ Nonpharma products



Unrivalled Design Features DPN 760 and N 623

Servo Control

The implementation of servo control delivers high accuracy and performance across all major functions – foil indexing, forming, feeding, sealing, perforation, die-cutting. Key benefits of servo control include repeatable format change, reduced maintenance requirements and lower operating noise levels, as well as the ability to optimize machine phasing for the products and materials being handled.

Versatile Blister Layouts

Lengthwise or crosswise over the web – blisters can be transferred laterally or parallel to the running direction, providing high flexibility in format design for maximum performance in production.

Modern Design

Ergonomic GMP design with walk-in guarding facilitates high accessibility, easy cleaning and avoidance of production batch mix-ups. Performance/space ratios are among the best on the market and easy set-up of all functions and parameters via the touch-screen interface are additional design features to maximize performance and deliver to the highest quality expectations.

Fast-Track Tooling Service

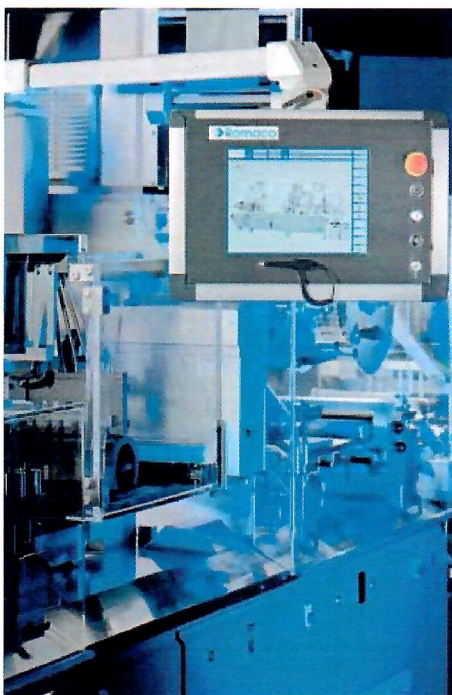
Genuine Noack format parts guarantee performance and are available on rapid turnaround, allowing users to respond to market challenges quickly. Format drawings can be provided within one hour of receiving the product and material specifications. All Noack format parts will be tested and optimized on one of our dedicated test machines.

Reliability

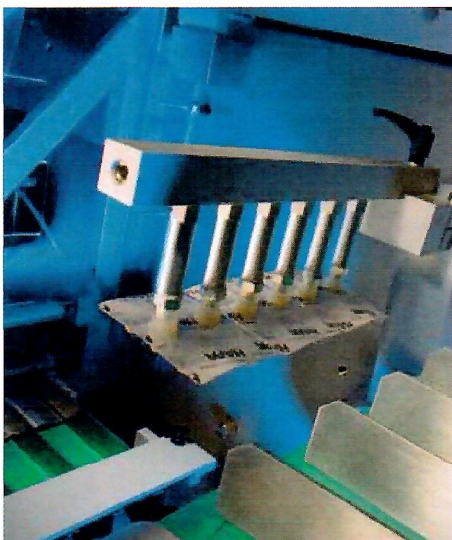
DPN 760 and N 623 are extremely reliable and easy to maintain. These machines are real workhorses, build for 24-7 production and low life-cycle costs.



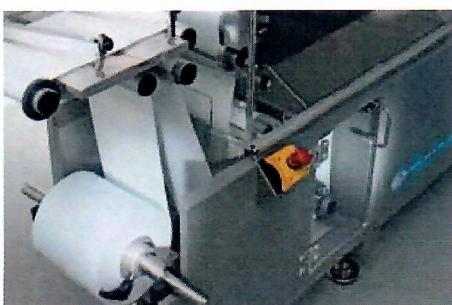
Servo driven-feeding roller



One-panel concept



Innovative transfer systems

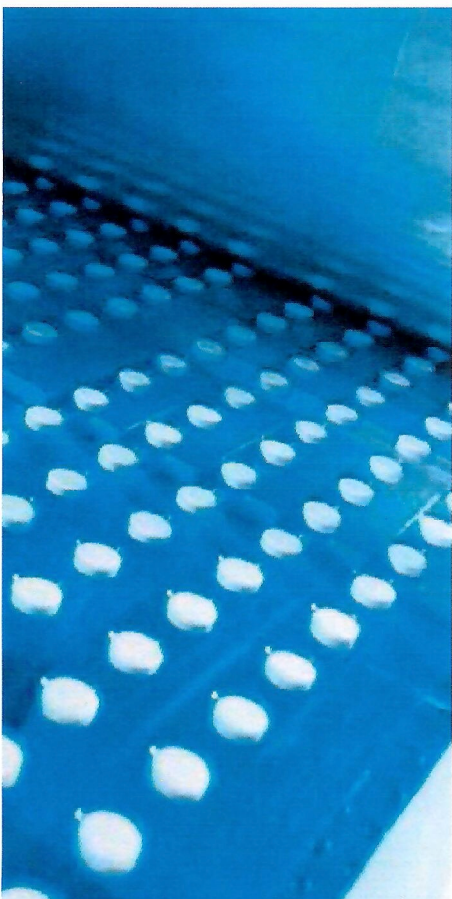


Foil unwind and splicing

High Output Low Life-Cycle Cost

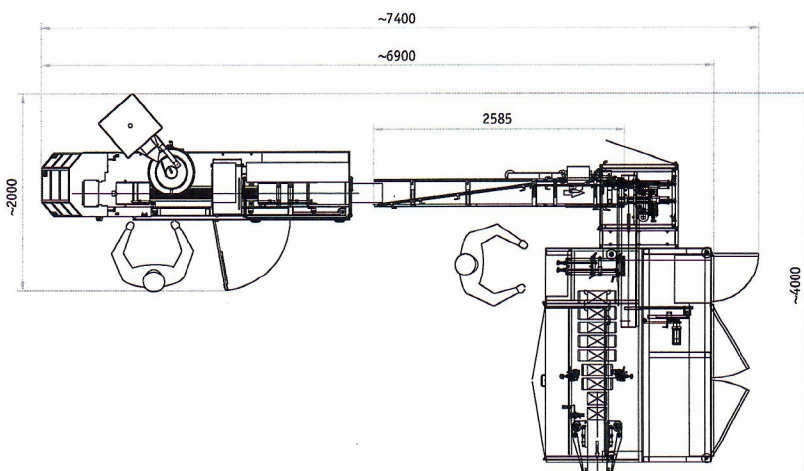
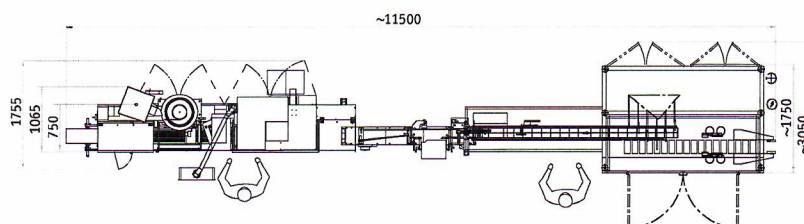
The accomplished track record of the high-performance N 623 intermittent motion platen machine has made it synonymous with dependability and versatility – qualities which continue to see it set the standard in the contract packing sector and other applications that require short batches and quick changeovers. Thanks to modern and user-friendly GMP-compliant technology, the N 623 is ideal for packing tablets, capsules, caplets, ampoules, vials and nonpharma products. Furthermore, optimal usage of machine time is achieved thanks to a combination of quick and easy adjustment, fast changeovers, total accessibility throughout the machine, large foil/film reels that require fewer reel changes and electronically stored format data.

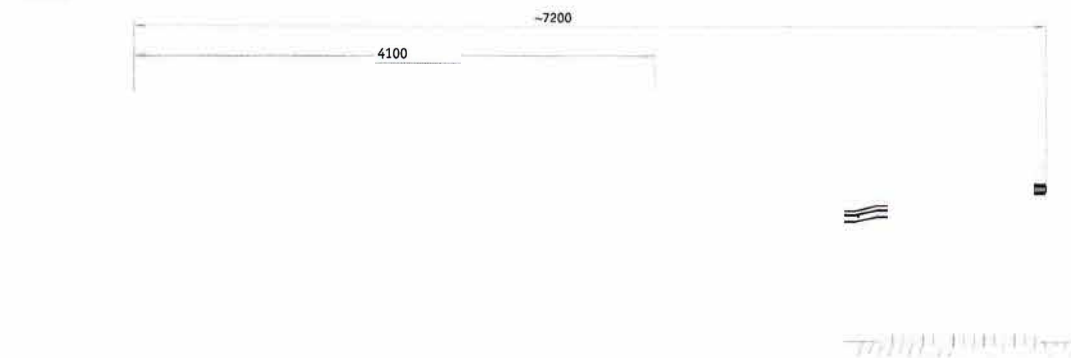




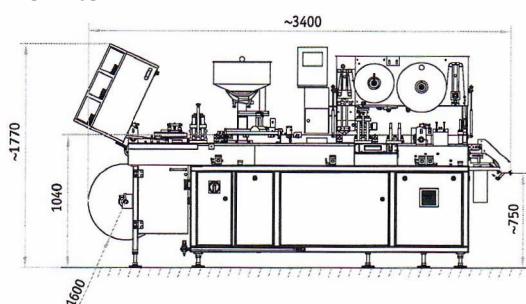
Noack Blister Line Competence

The versatile N 623 offers the ability to add downstream technologies such as cartoning equipment to further enhance flexibility towards customers. By integrating with the Promatic PC4000 continuous motion cartoner for medium- and high-output delivery, production output of up to 420 blisters and 400 cartons/min can be achieved. Romaco blister lines offer the perfect fit into your facility. Recognizing that every plant is different the Noack blister packers allow flexible solutions. So whatever your ideal line layout – straight, staggered, right angle or through wall – we can offer the most practical and ergonomic choice.





DPN 760



Key Technical Data

	DPN 760
Foil width max.	165 mm
Foil indexing length max.	140 mm
Forming depth max.	24 mm
Ø Forming film max.	600 mm
Ø Lidding foil max.	250 mm
Cycles max/min.	60

A Complete Package

The Noack tradition of building flexible, robust and easy-to-operate blister machines has established the company as the supplier of choice to the contract and generics markets, where fast changeover, reliability and high utilization are essential. The changing nature of the pharmaceutical sector means that these ideals are now applicable in every pharmaceutical plant in every part of the world. As such, the appeal of the Noack philosophy is now universal.

In the forty years since Noack launched its first machine for the newly emerging blister market, the company has offered a unique blend of innovation and traditional values, established a loyal following in the blister packaging sector. Noack doesn't just deliver machines: we deliver performance too. Our extensive menu of aftermarket service is designed to fit seamlessly with your in-house engineering resource, assuring maximum performance and a long life for all your Noack machines.

- ◇ Tooling service
- ◇ Planned maintenance
- ◇ IQ/OQ assistance
- ◇ Spare parts delivery
- ◇ Pre audit machine inspections
- ◇ Training programs

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