NORDEN SIZE PARTS
Secure production, superior results
NEW SIZE PARTS ARE NECESSARY WHEN CHANGING:

**Norden Tube Infeed**
- Tube size
- Cap design
- Tube material
- Robot Tube Loader or Nordenfeed
  - Box design / size
  - Box pack pattern

**Nordenmatic Tube Filler**
- Tube size
- Cap design
- Tube material
- Filling product
- Filling volume
- Different sealing / coding

**Nordenpac Cartoner**
- Tube / carton size
- Carton design
- Coding
- Cap design
- Tray design
- Case design

When sending a size part inquiry, remember to include the machine type and machine number.

REALIZE YOUR MACHINE’S FULL POTENTIAL

Size parts are where you benefit most from our 80 years of experience in tube filling. They are crucial when it comes to optimizing your production line and ensuring every finished product looks great when it hits the shelves.

Our size parts also give your machines exceptional flexibility. Just imagine that, as standard, a single Norden line can handle tubes that range from 10 to 65 mm in diameter simply by swapping size parts. We guarantee the performance of each and every one of those parts so you can rest assured that production will run smoothly and that you’ll keep hitting your targets.

Inside this leaflet, you’ll find the various size parts that your machine may be equipped with. An illustration of each size part is shown, along with its location in the machine.

For your convenience, the leaflet is laid out in the same format as the size settings tables in your machine manual.
1. Cassette
Feeds empty tubes into the tube filler
Size parts to match correct tube box measures, tube length and tube diameter

2. Hinged cassette
Feeds empty tubes into the tube filler
Parts to match correct tube box measures, tube length and tube diameter

3. Rocker plate
Facilitates tube infeed
Have to match correct tube length

4. Tilter
Moves empty tube into vertical position
To match exact tube diameter and length

5. Down pusher cone
Presses the tube into the tube holder
The cone must match exact tube diameter

6. Tube holder
Holds the tube during transport
The holders have to match exact tube length, diameter and cap design

7. Tube cleaning
Removes foreign matter from the tube
Spindle, bushing and washer to match correct tube diameter and length
8. Cap tightening cone
Checks that cap is present and tightened
The cone must match tube diameter and the cap design

9. Orientation centering cone
Holds the tube during rotation
The cone must match exact tube diameter

10. Lifting cam (filling)
Controls the lifting movement in filling position
The cam profile must match correct tube length

11. Lifting head filling
Moves tube holder up to filling position
The head must match tube cap and tube holder design

12. Pump insert: Matches filling volume and product properties
Valve, sleeve, cylinder, piston, piston centre and piston rod size parts required to fit requested filling volume range. Pump insert parts selected based on filling product

13. Filling nozzle: Controls product transfer from the pump to tube
Size parts available to match tube diameter and product properties

14. Hot Air sealing kit
Heats the plastic tubes prior to sealing
Kit consists of hot air nozzle, cooling ring, holder and outside heating ring (if necessary) All require exact fit for tube diameter

15. Suction cup for Hot Air
Holds the tube head firmly during hot air heating
The cup must fit tube cap/head design. Clamp design if flower pot cap is used

16. Discharge
Pushes the filled and sealed tubes out of the filler
Discharge parts must fit tube cap/head design

17. Clamp cap first or Pick & Place
17-1. Clamp cap first: Transfers the tube to the cartoner
The cap first parts must be designed to match tube dimensions
17-2. Pick & Place: Transfers the tube to the cartoner
The Pick & Place parts must be designed to match tube dimensions

18. Suction cups and holder
Picks up the flat carton from the magazine
These parts must fit carton design and measures

19. Carton erection guide
Pre-erects the cartons prior to final positioning
The parts must fit carton design and dimensions

20. Carton erection guide
Pre-erects the cartons prior to final positioning
The guide must be compatible with the carton design and measures

21. Product pushers
Pushes the tubes into the erected cartons
Pushers have to match correct tube size and seal appearance
“Our size parts team is obsessed with details. We have to be since they’re the key to Norden’s biggest advantages, like being able to produce a wide range of products on one line with zero drop in quality. For that to happen, every little piece has to slide into place and do its job perfectly. We guarantee each one will.”

Ola Axelsson
Norden Senior Designer, After Sales
Coesia is a group of innovation-based industrial solutions companies operating globally, headquartered in Bologna, Italy.

Coesia’s companies are leaders in the sectors of:
- Advanced automated machinery and materials
- Industrial process solutions
- Precision gears

Coesia’s customers are leading players in a broad range of industries, including Consumer Goods, Tobacco, Healthcare, Aerospace, Racing & Automotive and Electronics.