

VacuCoil VC

Horizontal transport of strip steel rings and coils up to 5.000 kg

Setup and application

A vacuum lifter individually adapted to your requirements for moving, picking or relocating coils. The vacuum lifters can be equipped with several suction chambers and can therefore be precisely adapted to your individual production processes. Powerful vacuum generators also guarantee safe transport of coils with loose winding tension. It is operated using an ergonomic control handle with all the necessary control functions.

- Robust, weight-optimized steel construction
- Individually adapted suction plates and suction chambers
- High level of operational reliability thanks to special, replaceable seals
- Acoustic warning device with power failure message
- Plexiglas version or viewing window for centric positioning
- Suction chambers that can be switched on and off for diameter adjustment
- Transfer, storage and retrieval or order picking



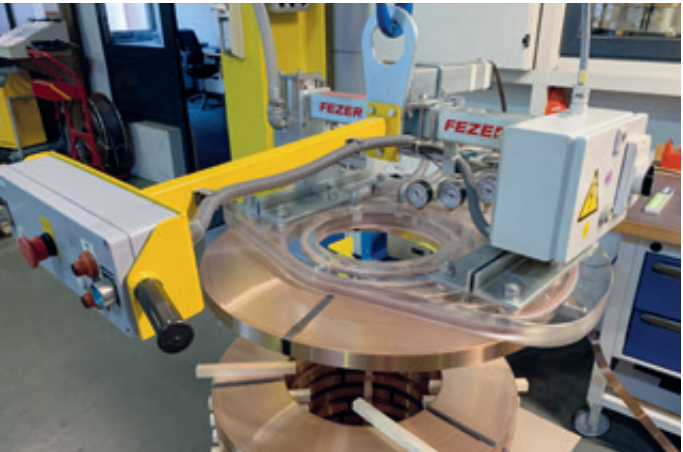
VacuCoil VC-500KG
For restacking strip steel rings with diameters of 600-1,250 mm and widths of up to 150 mm



VacuCoil VC-500KG
With plexiglass suction plate for simple centric placement on the split band rings



VacuCoil VC-500KG
With a total of 5 suction chambers for accommodating coils with a diameter of 400-1,400 mm



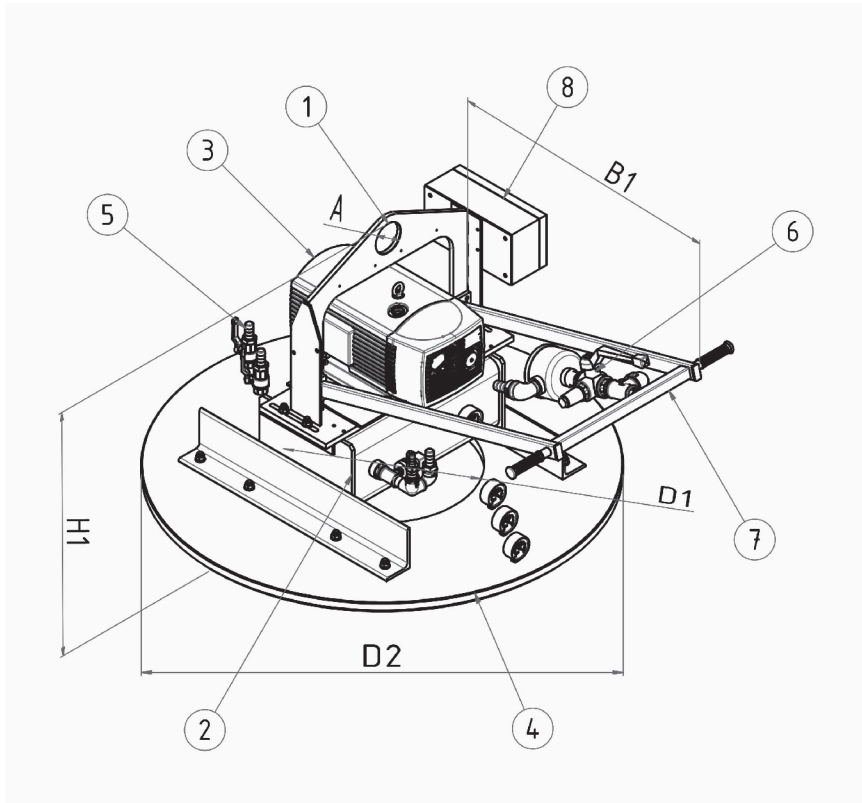
VacuCoil VC-500KG
With a flattened suction plate for depositing sucked coils with different diameters with precise edges.

VacuCoil VC

Technical specifications



VacuCoil product range
More about our VacuCoil product range and many application examples and videos can be found here. Just scan the QR code and get started.



- 1 Suspension frame with suspension eye
- 2 Vacuum reserve tank
- 3 Vacuum pump with check valve
- 4 Suction plate with individually adapted suction chambers
- 5 Distribution line with vacuum filter and visual control vacuum gage
- 6 Vacuum valve for suction/release
- 7 Ergonomic manipulating handle
- 8 Electronic warning device EW-0

| Load | Type | Coil diameter | | Coil height | Vacuum pump | Suction chambers | D1 | D2 | B1 | H1 | A | Own weight |
|-------|------|---------------|---------------|-------------|-------------|------------------|---------------|---------------|------------|---------------|------|-------------|
| (kg) | | internal (mm) | external (mm) | (mm) | (m³/h) | | internal (mm) | external (mm) | (mm) | (mm) | (mm) | (kg) |
| 250 | VC- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 16 - 40 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 125 - 175 |
| 500 | VC- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 16 - 40 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 150 - 200 |
| 750 | VC- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 16 - 40 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 175 - 225 |
| 1,000 | VC- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 25 - 63 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 200 - 250 |
| 1,500 | VC- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 25 - 63 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 250 - 300 |
| 2,000 | VC- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 25 - 63 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 300 - 400 |
| 3,000 | VC- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 40 - 100 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 1,000 - 1,500 | 160 | 400 - 500 |
| 4,000 | VC- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 63 - 160 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 1,000 - 1,500 | 160 | 600 - 800 |
| 5,000 | VC- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 63 - 160 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 1,000 - 1,500 | 160 | 800 - 1,000 |

VacuCoil VC-90E

Tilting of strip steel rings and coils up to 2.500 kg

Setup and application

A vacuum lifter individually adapted to your requirements for picking up lying or standing coils for feeding coiler mandrels. The suction chambers are individually designed and, thanks to a flattened design, can also accommodate standing coils with different diameters. It is operated using an ergonomic control handle with all the necessary control functions.

- Robust, weight-optimized steel construction
- Individually adapted suction plates and suction chambers
- High level of operational reliability thanks to special, replaceable seals
- Acoustic warning device with power failure message
- Flattened version for picking up different diameters
- Plexiglas version or viewing window for centric positioning
- Suction chambers that can be switched on and off for diameter adjustment
- Transfer, storage and retrieval or order picking



VacuCoil VC-90E-1000KG
For aluminum coils up to 1,800 mm in diameter



VacuCoil VC-90E-800KG
For plastic coils in the production of roller shutter components



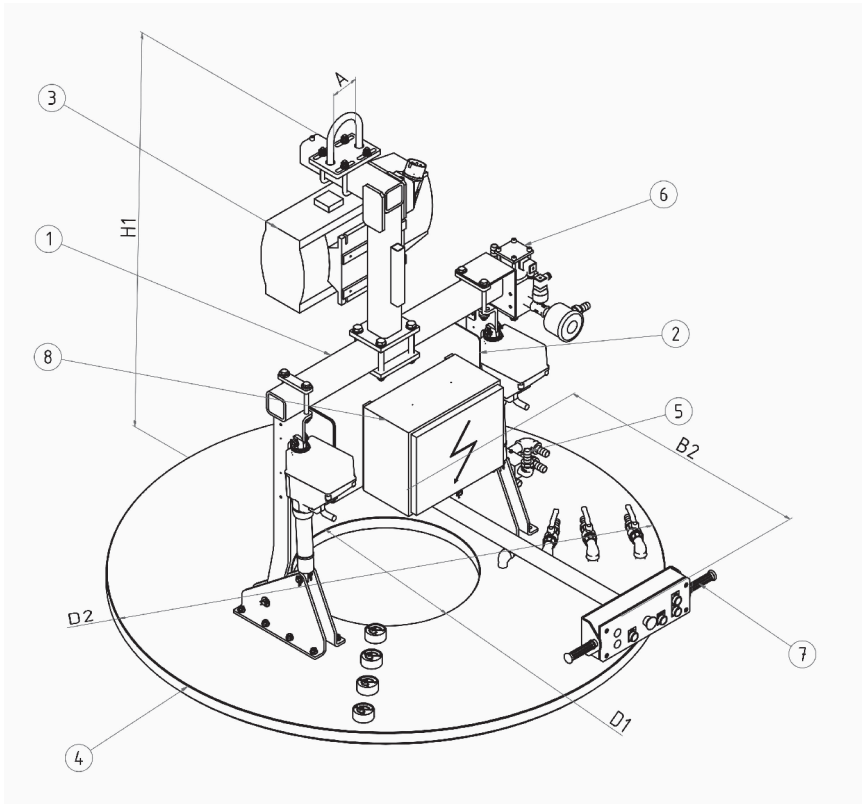
VacuCoil VC-90E-1250KG
For fitting a coiler mandrel with copper coils

VacuCoil VC-90E

Technical specifications



VacuCoil product range
More about our VacuCoil product range and many application examples and videos can be found here. Just scan the QR code and get started.



- 1 Suspension frame with tilt drives and suspension eye
- 2 Vacuum reserve tank
- 3 Vacuum pump with check valve
- 4 Suction plate with individually adapted suction chambers
- 5 Distribution line with vacuum filter and visual control vacuum gage
- 6 Vacuum valve for suction/release
- 7 Ergonomic manipulating handle
- 8 Electronic warning device EW-0

| Load (kg) | Type | Coil diameter | | Coil height (mm) | Vacuum pump (m³/h) | Suction chambers | D1 | D2 | B1 | H1 | A | Own weight (kg) |
|--------------|--------|---------------|---------------|---------------------|-----------------------|------------------|---------------|---------------|------------|---------------|------|--------------------|
| | | internal (mm) | external (mm) | | | | internal (mm) | external (mm) | (mm) | (mm) | (mm) | |
| 250 | VC-90E | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 16 - 40 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 150 - 200 |
| 500 | VC-90E | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 16 - 40 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 175 - 225 |
| 750 | VC-90E | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 16 - 40 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 200 - 250 |
| 1,000 | VC-90E | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 25 - 63 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 225 - 275 |
| 1,250 | VC-90E | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 25 - 63 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 500 - 650 |
| 1,500 | VC-90E | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 25 - 63 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 550 - 700 |
| 1,750 | VC-90E | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 25 - 63 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 600 - 750 |
| 2,000 | VC-90E | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 40 - 100 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 1,000 - 1,500 | 160 | 750 - 950 |
| 2,250 | VC-90E | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 40 - 100 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 1,000 - 1,500 | 160 | 850 - 1,100 |
| 2,500 | VC-90E | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 63 - 160 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 1,000 - 1,500 | 160 | 950 - 1,250 |

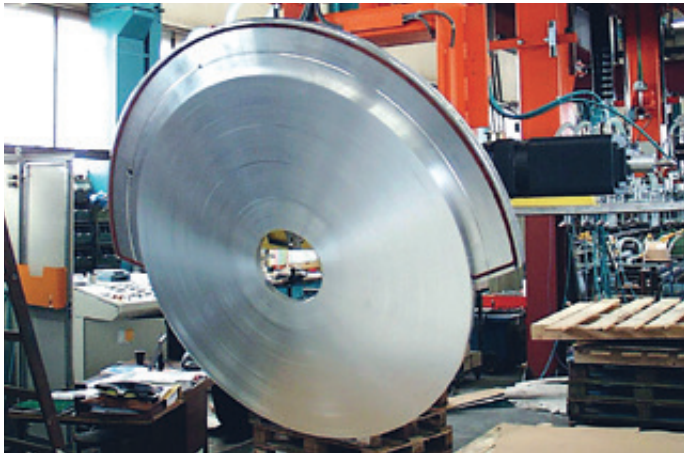
VacuCoilAutomatic VCA

Automatic handling of strip steel rings and coils up to 5.000 kg

Setup and application

System technology for connecting coil suction plates to lifting axes for manual or fully automated applications. All relevant signals such as vacuum level, chamber occupancy and positioning feedback are integrated in the suction chambers and can be evaluated and controlled by the higher-level control. As a result, work processes can be made even more efficient and safer. The vacuum is generated by separately installed vacuum energy units, which reduces the dead weight.

- Robust steel or aluminum design for connection to lifting axes
- Automatic suction chamber detection via light sensors
- Automatic attachment for lift cut-off
- Tiltable version via geared motors
- Control connection possible via BUS system
- Steel strip rings up to 2,500 mm in diameter and 1,000 mm in height
- Order picking, restacking, transfer to and from stores



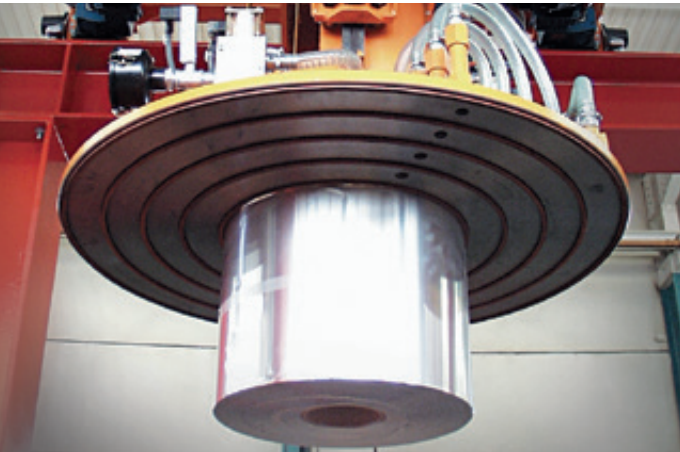
VacuCoil VCA-90E-1500KG
With a flattened suction plate and tilt drive in an automatic order picking warehouse



VacuCoil VCA-1000KG
In automatic mode for lifting copper coils



VacuCoil VCV-500KG
On a manually operated lifting axis for transferring copper coils from stores

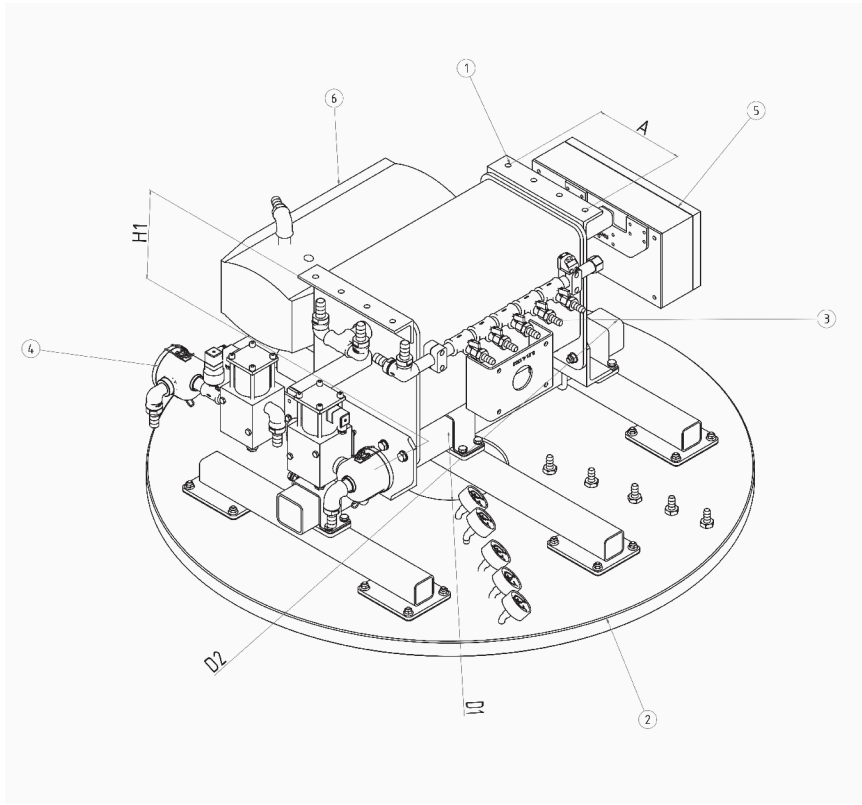


VacuCoil VCA-2000KG
In automatic mode for aluminum coils with a diameter of up to 2,200 mm and widths of up to 800 mm

VacuCoil VCA

Technical specifications

VacuCoil product range
More about our VacuCoil product range and many application examples and videos can be found here. Just scan the QR code and get started.



- 1 Flange plate for attachment to hoists
- 2 Suction plate with individually adapted suction chambers
- 3 Distribution line with vacuum filter and visual control vacuum gage
- 4 Vacuum valve for suction/release
- 5 Ergonomic manipulating handle
- 6 Electronic warning device EWV-0
- 7 Built-up vacuum pump and safety storage or installed separately as an energy unit

| Load | Type | Coil diameter | | Coil height | Vacuum pump | Suction chambers | D1 | D2 | B1 | H1 | A | Own weight |
|-------|------|---------------|---------------|-------------|-------------|------------------|---------------|---------------|------------|---------------|------|---------------|
| (kg) | | internal (mm) | external (mm) | (mm) | (m³/h) | | internal (mm) | external (mm) | (mm) | (mm) | (mm) | (kg) |
| 250 | VCA- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 16 - 40 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 200 - 500 |
| 500 | VCA- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 16 - 40 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 300 - 750 |
| 750 | VCA- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 16 - 40 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 500 - 1,000 |
| 1,000 | VCA- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 25 - 63 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 750 - 1,250 |
| 2,000 | VCA- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 25 - 63 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 700 - 1,000 | 100 | 1,000 - 1,500 |
| 3,000 | VCA- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 40 - 100 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 1,000 - 1,500 | 160 | 1,250 - 1,750 |
| 4,000 | VCA- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 63 - 160 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 1,000 - 1,500 | 160 | 1,500 - 2,000 |
| 5,000 | VCA- | 100 - 500 | 350 - 2,500 | 25 - 1,000 | 63 - 160 | 1 - 8 | 75 - 450 | 400 - 2,650 | 600/-1,200 | 1,000 - 1,500 | 160 | 1,750 - 2,250 |

VacuCoilPaper VCP

Paper lifter for automatic cranes up to 7.500 kg

Setup and application

These paper lifters are used to connect to automatic cranes in industrial paper roll stores. All relevant control signals and vacuum components are integrated in the vacuum lifter and are evaluated and controlled by the higher-level crane control. In order to increase operational and process reliability, the vacuum lifters can be supplied with power by a UPS on the crane in the event of a fault, or they can be equipped with an autonomously switching backup solution with integrated batteries.

- Sturdy welded steel construction with track guide for the driving cage
- Automatic suction chamber detection via light sensors
- Automatic attachment for lift cut-off of crane system
- Telescopic centering mandrel for different core diameters
- Backup system via integrated batteries or UPS system
- Two integrated vacuum pumps for maximum operational reliability
- Control connection through interface
- Paper rolls up to 2,500 mm in diameter and 4,000 mm in height



VacuCoilPaper VCP-5000KG
In the automatic warehouse for paper rolls up to 2,000 mm in diameter and widths up to 2,000 mm



VacuCoilPaper VCP-4000KG
In the automatic warehouse with 3 suction chambers, automatic chamber recognition and centering mandrel



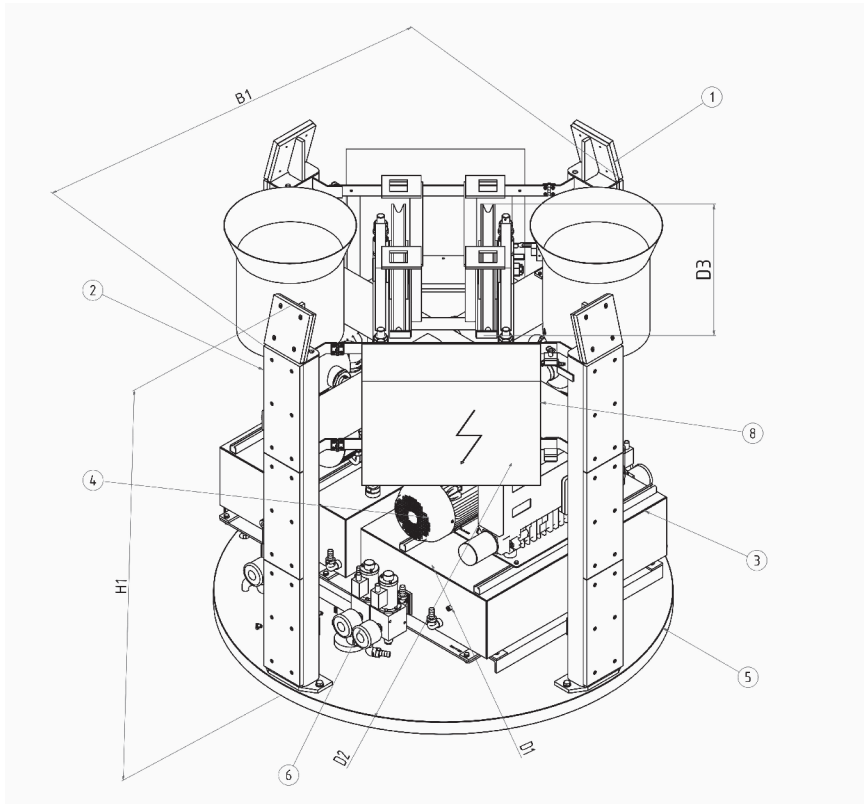
VacuCoilPaper VCP-6000KG
In the automatic warehouse for paper rolls up to 2,500 mm in diameter and widths up to 2,750 mm

VacuCoilPaper VCP

Technical specifications



VacuCoil product range
More about our VacuCoil product range and many application examples and videos can be found here. Just scan the QR code and get started.



- 1 Base frame with pulleys and automatic placement for crane system
- 2 Exchangeable track guides for driving into the elevator car of the crane system
- 3 Vacuum reserve tank
- 4 Vacuum pumps with check valves
- 5 Suction plate with suction chambers and initiators for diameter detection and vacuum control
- 6 Suction plate with suction chambers and initiators for diameter detection and vacuum control
- 7 Back-up system for switching to the battery system in the event of a power failure
- 8 Control box for BUS system technology and power electronics

| Load (kg) | Type | Paper diameter (mm) | | Paper height (mm) | Vacuum pump (m³/h) | Suction cham- bers | D1 | D2 | D3 | B1 | H1 | Own weight (kg) |
|--------------|------|------------------------|--------------|----------------------|--------------------------|--------------------------|------------------|------------------|----------|--------------|--------------|-----------------------|
| | | internal | external | | | | (mm) internal | (mm) external | | | | |
| 2,500 | VCP- | 100/-500 | 1,750/-2,500 | 2,250/-2,750 | 2x063 | 4/-8 | 100/-500 | 1,250/-2,500 | 500/-800 | 1,750/-2,500 | 1,750/-2,250 | 2,200/-2,400 |
| 3,500 | VCP- | 100/-500 | 1,750/-2,500 | 2,250/-2,750 | 2x063 | 4 - 8 | 100/-500 | 1,250/-2,500 | 500/-800 | 1,750/-2,500 | 1,750/-2,250 | 2,300/-2,500 |
| 4,500 | VCP- | 100/-500 | 1,750/-2,500 | 2,250/-2,750 | 2x100 | 4 - 8 | 100/-500 | 1,250/-2,500 | 500/-800 | 1,750/-2,500 | 1,750/-2,250 | 2,500/-2,700 |
| 5,500 | VCP- | 100/-500 | 1,750/-2,500 | 2,250/-2,750 | 2x100 | 4 - 8 | 100/-500 | 1,250/-2,500 | 500/-800 | 1,750/-2,500 | 1,750/-2,250 | 2,600/-2,800 |
| 6,500 | VCP- | 100/-500 | 1,750/-2,500 | 2,250/-2,750 | 2x160 | 4 - 8 | 100/-500 | 1,250/-2,500 | 500/-800 | 1,750/-2,500 | 1,750/-2,250 | 2,800/-3,000 |
| 7,500 | VCP- | 100/-500 | 1,750/-2,500 | 2,250/-2,750 | 2x160 | 4 - 8 | 100/-500 | 1,250/-2,500 | 500/-800 | 1,750/-2,500 | 1,750/-2,250 | 2,900/-3,100 |