MEDIUM-SIZED FAMILY OWNED COMPANY IN 4TH GENERATION

Gebr. Becker GmbH

DEALERS -MULTITECH ENGINEERS
PUNE/NASHIK
MAIL--multitech.e2007@gmail.com
Mo-9881475567

BECKER

Facts & Figures



1885
Foundation



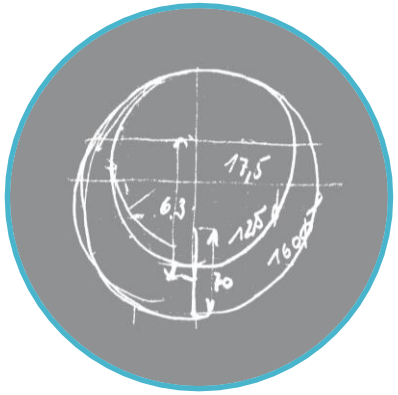
230
Mio. € Sales



957
Employees



18
Subsidiaries



6,5%
R&D Investment

4 Generations at Becker



Otto und Robert Becker
1885 – 1920



Otto Becker jun.
1920 – 1960



Hansjürgen Becker
1960-1986



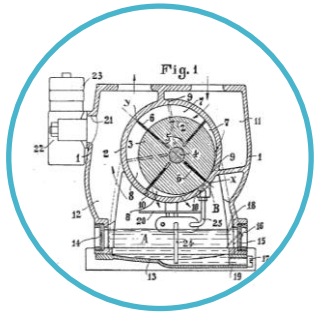
Martin Becker
1990 – 2012



Dorothee Becker
current



Founder &
Entrepreneurial Spirit



Inventor, Technician,
Trendsetter in Pressure
& Vacuum Technology



Efficiency &
Proximity to
Customers



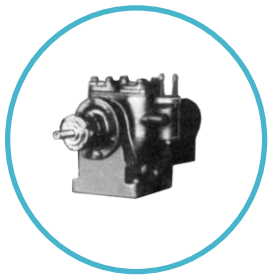
Market &
Application Focus



High Performance
& Innovation

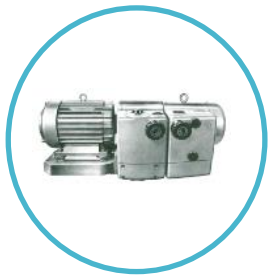
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Product Development Milestones



1928

First oil-lubricated Rotary Compressor for the support of "auto-pilots" in aircrafts...



1953

First worldwide 100% oil-free working Rotary Vane Vacuum Pump



1962

Technology of the Side Channel Blower is developed by Becker



1978

First water-cooled Radial Compressor from Becker. Today magnetically levitated with up to 70.000 RPM



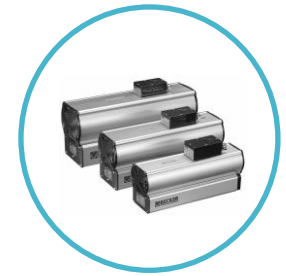
1996

Delivery of the first new developed VARIAIR System (VAS)



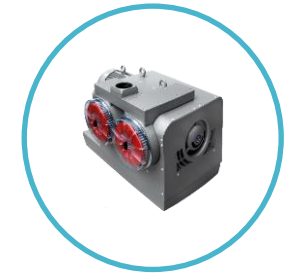
1998

Development of the VADS Screw Vacuum Pumps and Compressors without transmission



2007

Market launch of the VASF 1st series: Side Channel Blower with integrated electronics and full VARIAIR functionality



2019

Market launch of Claw Vacuum Pumps. „Best in Class“

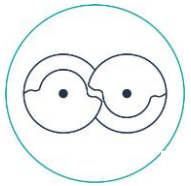
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Products
Displacement Pumps & Turbo Dynamic Pumps



Rotary Vane Pumps





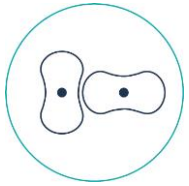
Screw Pumps





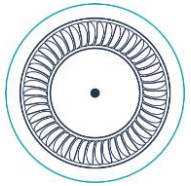
Claw Pumps





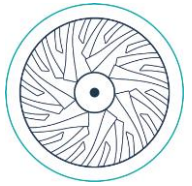
Roots Booster Pumps (Pumping Stations)





Side Channel Blowers





Radial Blowers



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Production Sites



Wuppertal

Foundation: 1971
Employees*: 530
Area: 13.000 qm

Products:
- Screw Compressors & Vacuum Pumps
- Claw Pumps
- Roots Booster Pumps (Booster Package)
- Oil lubricated and dry running Rotary Vane Pumps
- Gas-tight Blowers
- Systems



Apolda

Foundation: 2000
Employees*: 189
Area: 7.000 qm

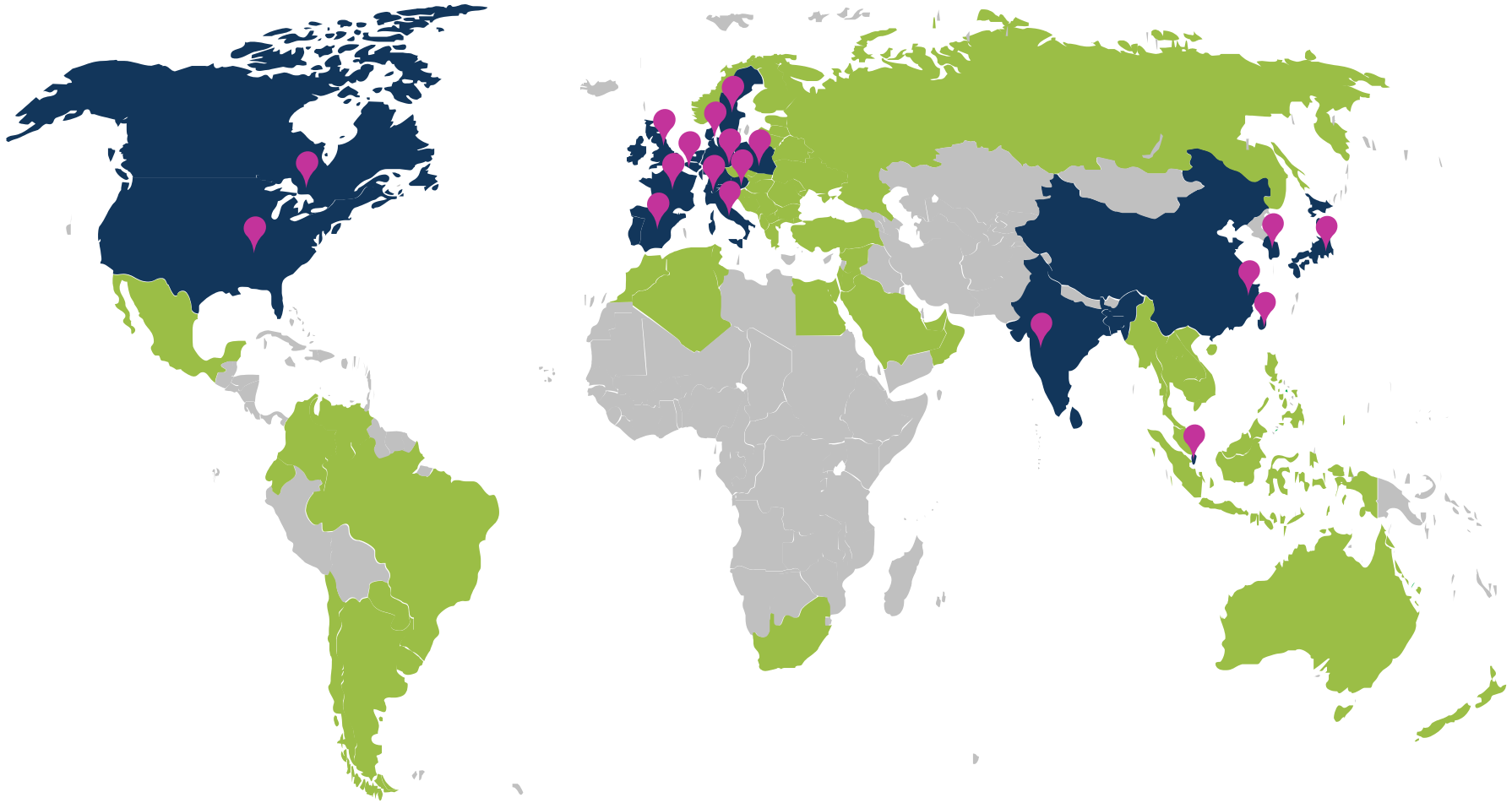
Products:
- Side Channel Blowers
- Dry running Rotary Vane Pumps

approx. 140,000 pumps & systems annually

*all employee information including production, administration and sales

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Becker worldwide



18
Subsidiaries

957
Employees

38
Representatives

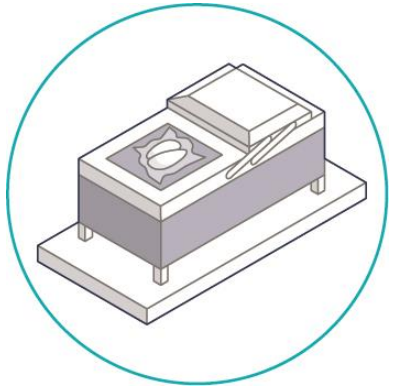
80 %
Export Ratio

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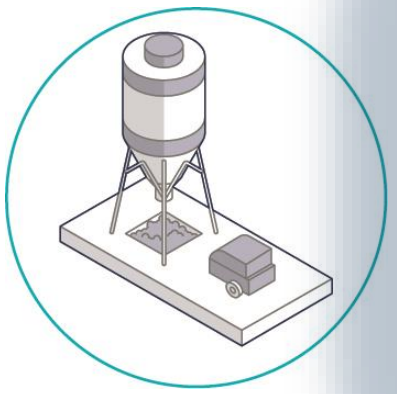
Markets



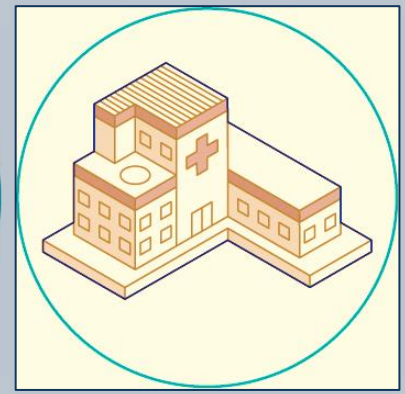
Energy



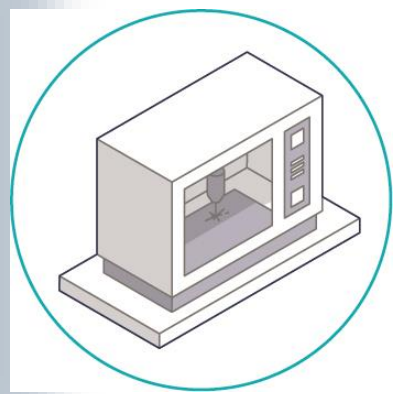
Vacuum Packaging for Food



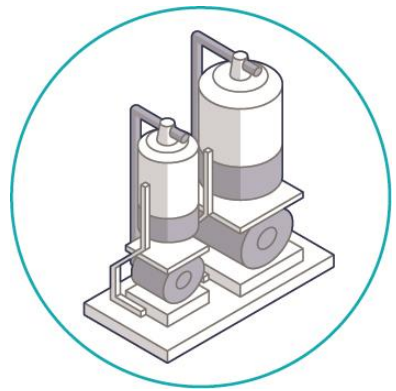
Building Industry



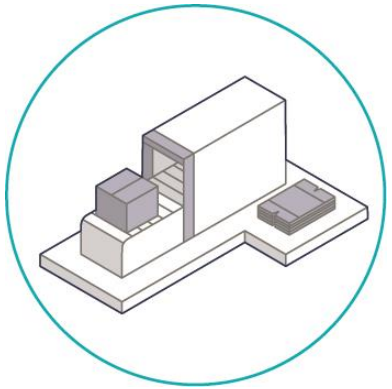
Medical



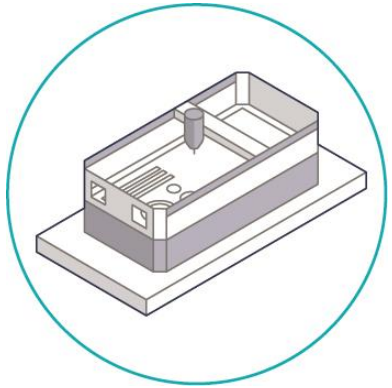
Additive Manufacturing



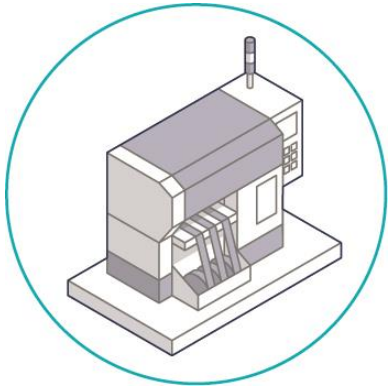
Plastics & Rubber



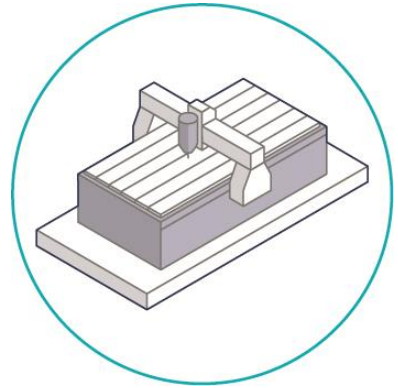
Dry – Secondary Packaging



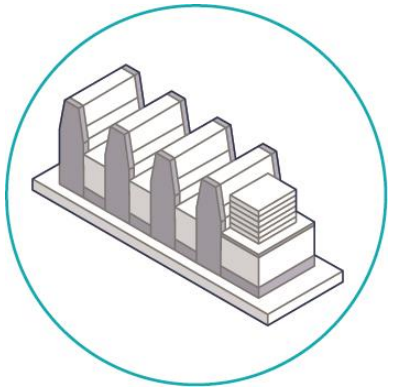
Laser Technology



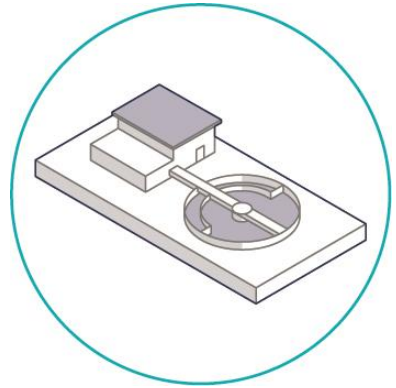
Electronics Industry



Woodworking Industry



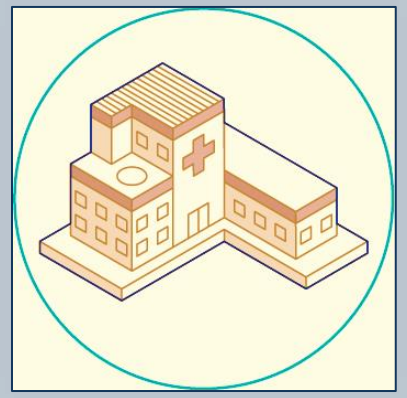
Printing and Paper Industry



Environmental Engineering

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MEDICAL TECHNOLOGY MARKET



MAIN APPLICATIONS

- Centralized surgical vacuum for hospitals
- Mobile/portable surgical vacuum systems
- Anaesthetic gas scavenging systems (AGSS)
- Dental applications
- External counter pulsation (ECP)
- Cosmetic applications / skin treatment

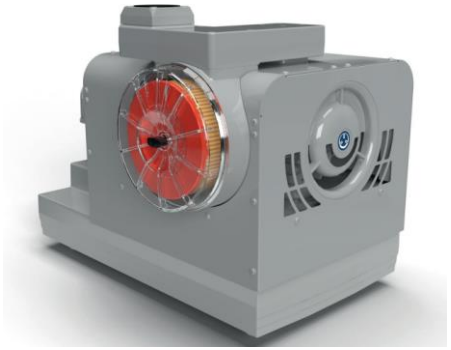
PRODUCTS FOR THE MEDICAL MARKET

- Oil Lubricated Rotary Vane Pumps
- Dry Rotary Vane Vacuum Pumps
- Dry Claw Pumps
- Dry Screw Pumps
- Side Channel Vacuum Pumps





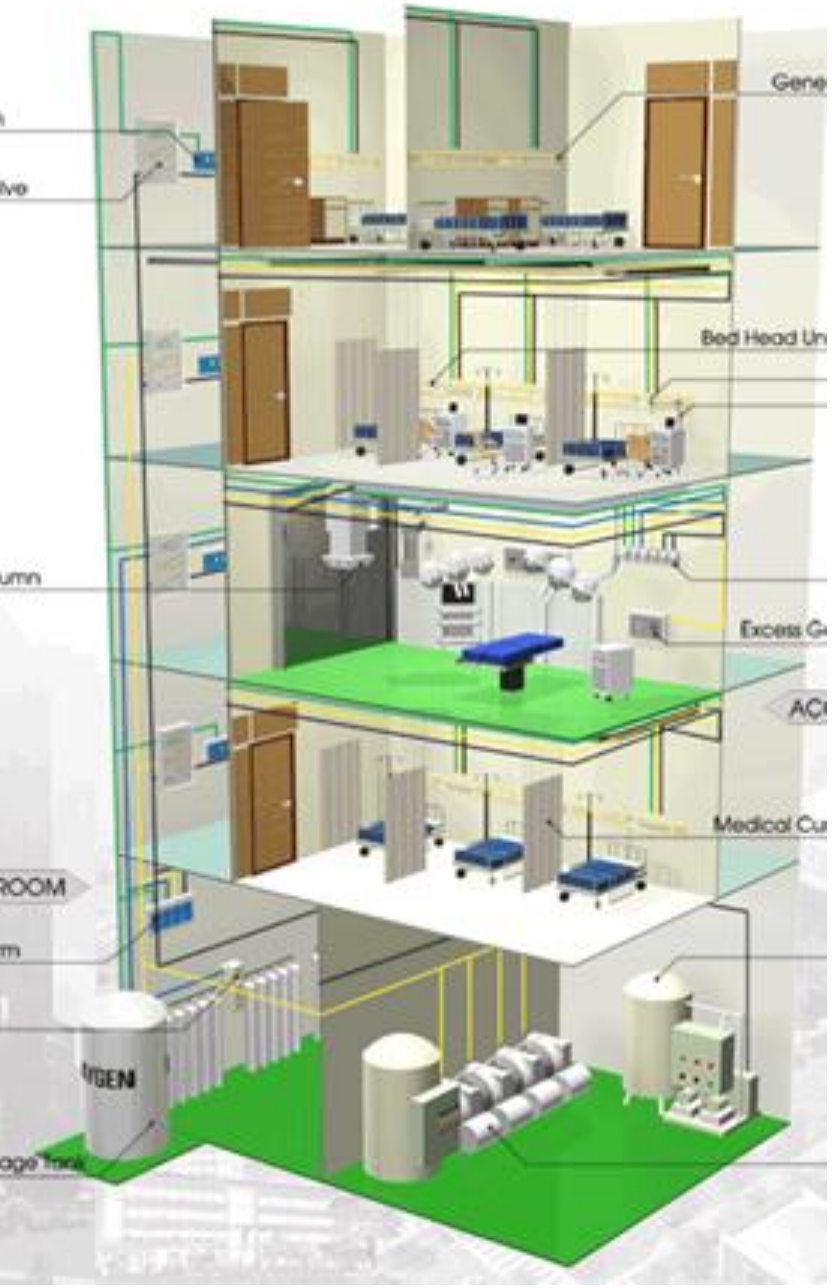








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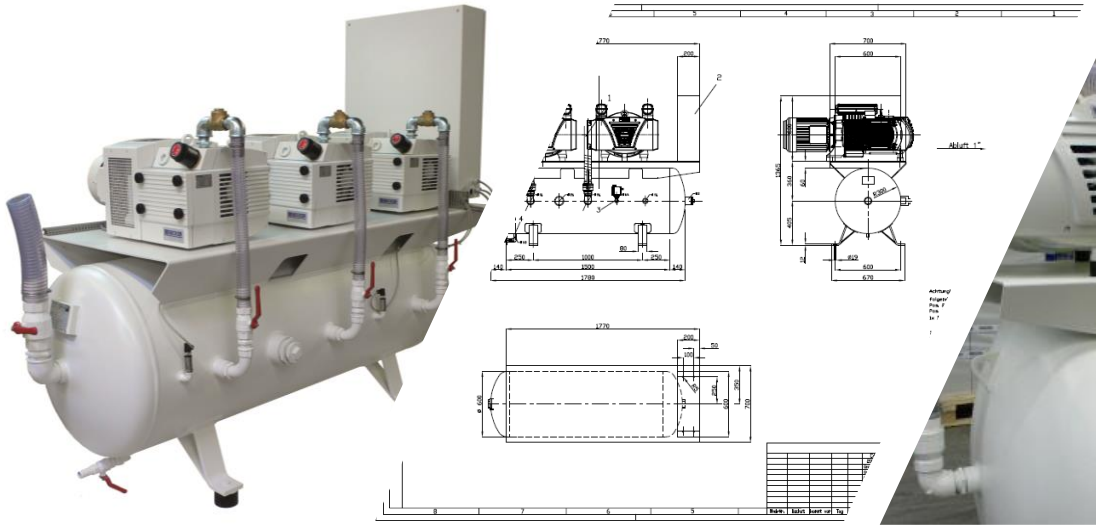


EXAMPLE APPLICATIONS – CENTRAL SURGICAL VACUUM

- Operating theaters: Secretion suction, Laser smoke suction
- Intense care: Secretion suction
- Accident / ER: Secretion suction
- General / patient room: Secretion suction

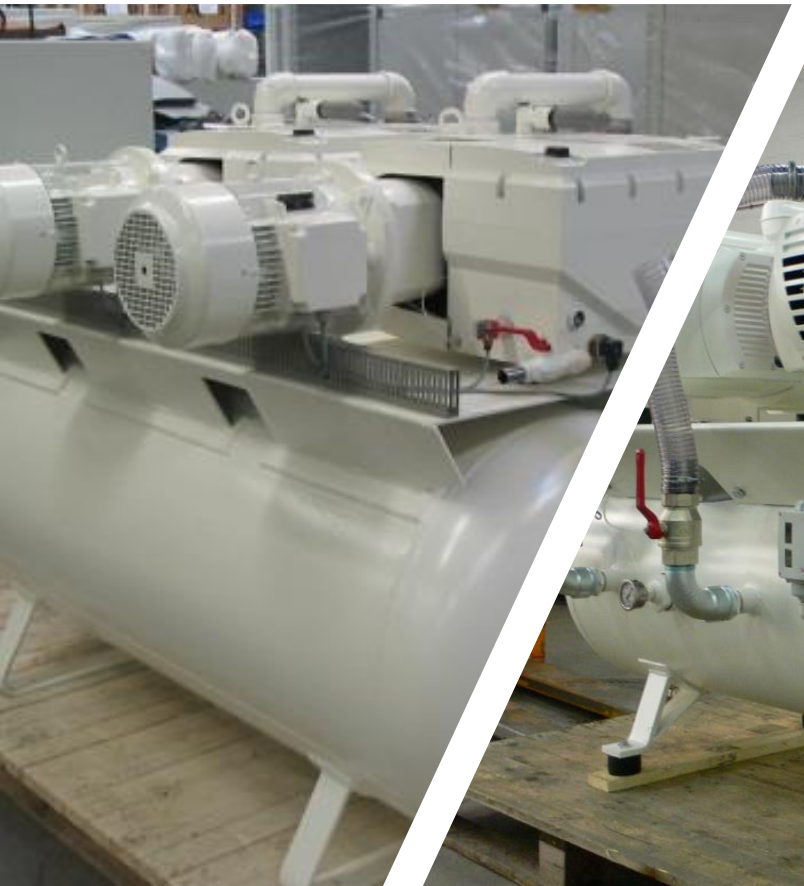








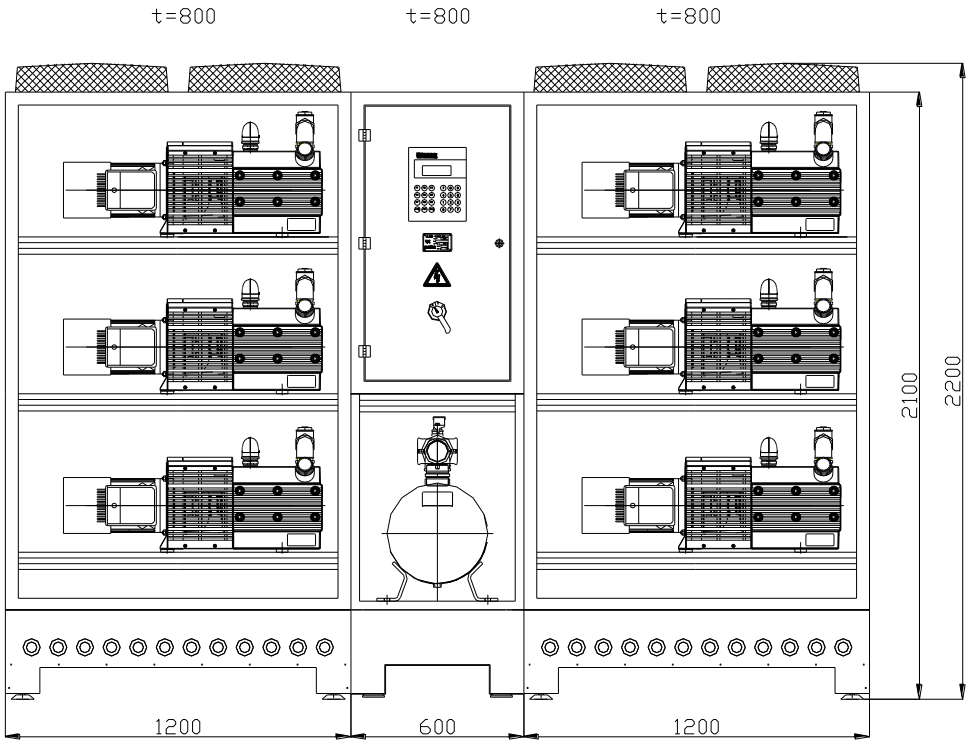


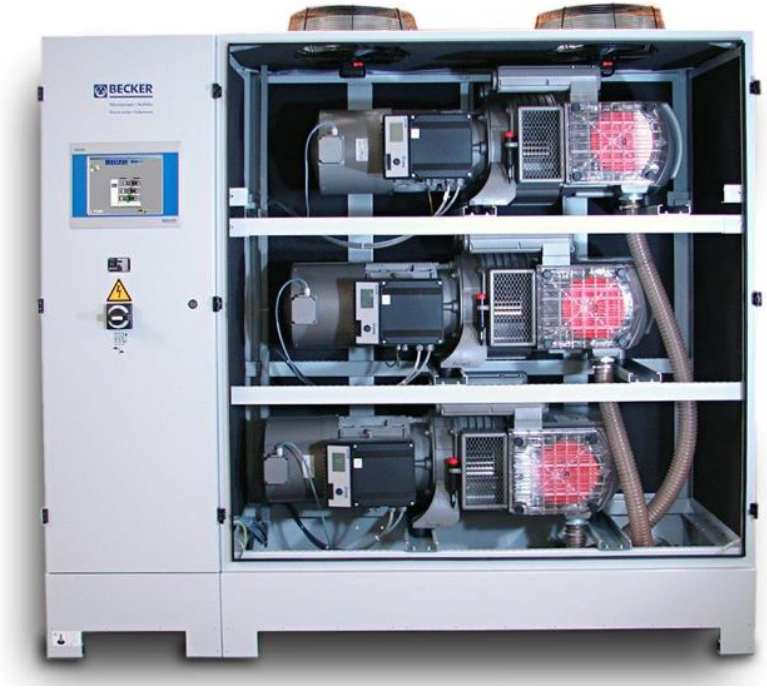




Tank mounted systems (7396-1)

Cabinet systems (7396-1)





VARIAIR

Oil LESS/Dry Running
KVT & VTLF series vacuum pump with or w/o

BECKER

Medical vacuum system (NFPA 99)



DUPLEX

Oil Lubricated vacuum pump

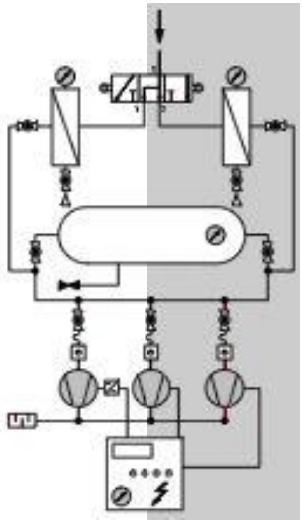
Becker U series



DUPLEX

Oil LESS/Dry Running

Becker VT/KVT/VTLF series vacuum pump



Control diagram

Waste anaesthetic gas scavenging systems

- Becker Side channel Blower SV series are used in Anaesthetic gas scavenging systems

- Becker Dry series VT/KVT and claw pump series are also used



Massage and Enhanced External Counter Pulsation (EECP)

- Non-invasive heart treatment
- Becker Dry Rotary Vane Compressors DT series



SOME INSTALLATIONS IN INDIA

- NIMHANS Hospital – Bangalore
- THANC Hospital – Chennai
- Yashoda Hospital – Hyderabad
- Kokilaben Dhirubhai Ambani Hospital - Mumbai
- And many more through Medical Gas Pipeline system manufacturers all over India





Some Installations across the world









XXXXXXXXXXXX	163 beds 4 Operating Theatres	4 x Oil Type Rotary Vane Vacuum Pumps PLC Controlled - High/Low System Mounted on Horizontal Receiver 1 x 1000 litre Receiver 2 x Bacterial Filters
XXXXXXXXXXXX	Facilities Unknown Installed by Contractor	2 x Oil Free Rotary Vane Vacuum Pumps PLC Controlled - High/Low System/p> Rack Mounted 1 x Small Receiver 2 x Bacterial Filters
XXXXXXXXXXXX	Facilities Unknown Installed by Contractor	2 x Oil Free Rotary Vane Vacuum Pumps PLC Controlled - High/Low System Rack Mounted 1 x Small Receiver 2 x Bacterial Filters
XXXXXXXXXXXX	91 Recovery Beds 3 Operating Theatres 2 Day Surgery Theatres 2 Dermatology Theatres 1 Oncology Unit 1 Maternity Unit	3 x Oil Free Rotary Vane Vacuum Pumps VFD in the control box, PLC Controlled Rack Mounted 1 x Small Receiver 2 x Bacterial Filters
XXXXXXXXXXXX	80 Beds 4 Operating Theatres Day Surgery Facility	3 x Oil Free Rotary Vane Vacuum Pumps VFD in the control box, PLC Controlled Rack Mounted 2 x Bacterial Filters
XXXXXXXXXXXX	Chemotherapy/ Cancer Care Unit 10 Chairs 1 Bed	2 x Oil Free Rotary Vane Vacuum Pumps VFD on each pump/motor, PLC Controlled Rack Mounted 1 x 150 litre Receiver 2 x Bacterial Filters
XXXXXXXXXX	Facilities Unknown Installed by Contractor	2 x Oil Free Rotary Vane Vacuum Pumps VFD on each pump/motor, PLC Controlled Rack Mounted 1 x Small Receiver 2 x Bacterial Filters
XXXXXXXXXXX	Facilities Unknown Installed by Contractor	2 x Oil Free Rotary Vane Vacuum Pumps VFD on each pump/motor, PLC Controlled Rack Mounted 1 x Small Receiver 2 x Bacterial Filters









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Some Installations across the world







Site Name	Site Information	Becker Central System Installed
XXXXXXXXXX	150 Chair Dental	5off Sv7.330 PLC and VFD controlled 5 x Bacterial filters Amalgam discharge system
XXXXXXXXXX	2 Bed Recovery	2X VX4.40 60Ltr Receiver PLC – VFD Controlled Rack Mounted 2 x Bacterial filters
XXXXXXXXXX	2 Bed Recovery	2X VX4.40 60Ltr Receiver PLC – VFD Controlled Rack Mounted 2 x Bacterial filters
XXXXXXXXXX	2 Bed Recovery	2X VX4.40 60Ltr Receiver PLC – VFD Controlled Rack Mounted 2 x Bacterial filters
XXXXXXXXXX	2 Bed Recovery	2X VX4.40 60Ltr Receiver PLC – VFD Controlled Rack Mounted 2 x Bacterial filters
XXXXXXXXXX	85 beds 5 Operating Theatres	3 x Oil Free Rotary Vane Vacuum Pumps VFD on each pump/motor, PLC Controlled Rack Mounted 1 x 100 litre Receiver 2 x Bacterial Filters
XXXXXXXXXXX	3 Theatre Chairs 2 Recovery Beds	2 x Oil Free Rotary Vane Vacuum Pumps PLC Controlled - High/Low System Rack Mounted 1 x Small Receiver 2 x Bacterial Filters
XXXXXXXXXXX	228 Beds (currently) 280 Beds (future) 6 Operating Theatres Day Surgery Facility	2 Systems Installed, each comprising of; 4 x Oil Free Rotary Vane Vacuum Pumps 1 is Rack Mounted 1 is Mounted on existing 1000L Receiver 2 x Bacterial Filters per system
XXXXXXXXXXX	85 beds 5 Operating Theatres	3 x Oil Free Rotary Vane Vacuum Pumps VFD on each pump/motor, PLC Controlled Rack Mounted 1 x 100 litre Receiver 2 x Bacterial Filters









BECKER

BECKER - INDIA

- Strong Service network across India through Regional Service Engineers and Authorized Distributors
- Stock of pumps and Spare parts available at Warehouse and Service Centre in Pune
- Strong Technical know-how of Products in the Medical sector
- Vacuum Pumps manufactured to run continuously 24-7

Values



Our customers are the benchmark for our **quality**.
Therefore, we commit to continuous development of our products and processes.



For BECKER, the **environment and energy** are two key cornerstones. We consider sustainable use of resources across the entire product life-cycle and accordingly endorse obtainment of energy-efficient products designed to improve energy-related performance.



We commit to **the health and safety** of our customers and our workforce. Accident-free handling of our products, safe conduct of our personnel in their work environment and responsible handling of data are key elements of BECKER's mission.

Quality Management ISO 9001 : 2015	Environmental Management ISO 14001 : 2015	Energy Management ISO 50001 : 2018	Occupational Health and Safety Management ISO 45001 : 2018

INSPIRING PEOPLE
WITH BEST IN CLASS
VACUUM SOLUTIONS
BASED UPON SOLID FAMILY VALUES
- FOR MORE THAN 130 YEARS

THANK YOU!

Dealers -MULTITECH ENGINEERS
PUNE /NASHIK

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