

VACUUM CONVEYING

A BETTER SOLUTION FOR THE BULK MATERIAL INDUSTRY

New industrial conveyor



***Lower
maintenance
requirement***

***Lower energy
consumption***

***Better working
environment***

PIAB
Innovators in
Vacuum Technology

www.piab.com

A competitive solution for conveying bulk material

Many industrial processes involve moving of bulk material. A few examples of such materials are metal oxides, ceramics and plastic powders. These come into the production phase in the shape of powders, granules or pellets.

Today, vacuum conveying is the optimum method in automated material conveying. It is also the most cost-effective method for handling bulk material.

PIAB's series of industrial conveyors makes use of our accumulated experience in order to optimise the characteristics that are required in industrial material conveying. The result is an excellent solution.

Since 1951 the family-owned PIAB has been the leading-edge company in the world of vacuum technology. With our innovative vacuum technology we increase the productivity in automated material handling and production processes throughout the world while, at the same time, improving the working environment.



Our technology is present in a wide spectrum of industries, among which you will find the packaging industry, food industry, automotive industry and the graphic industry. We have an international organisation consisting of subsidiaries and distributors in more than 50 countries.

COAX®

The patented compressed-air driven COAX® technology saves energy, handles great pressure variations, adapts the suction capacity to the material handled and offers a design that is easy to carry out service on. COAX® ensures stable production and a pleasant working environment.

No generation of heat

The conveyor is driven by compressed air, thus being void of electric motors that generate heat.

Low noise level

PIAB's vacuum conveyors are developed to operate at low noise levels.

Compactness

The conveyor has intentionally been given a space-saving design with low building height, something that will help the user to make optimum use of the space available.

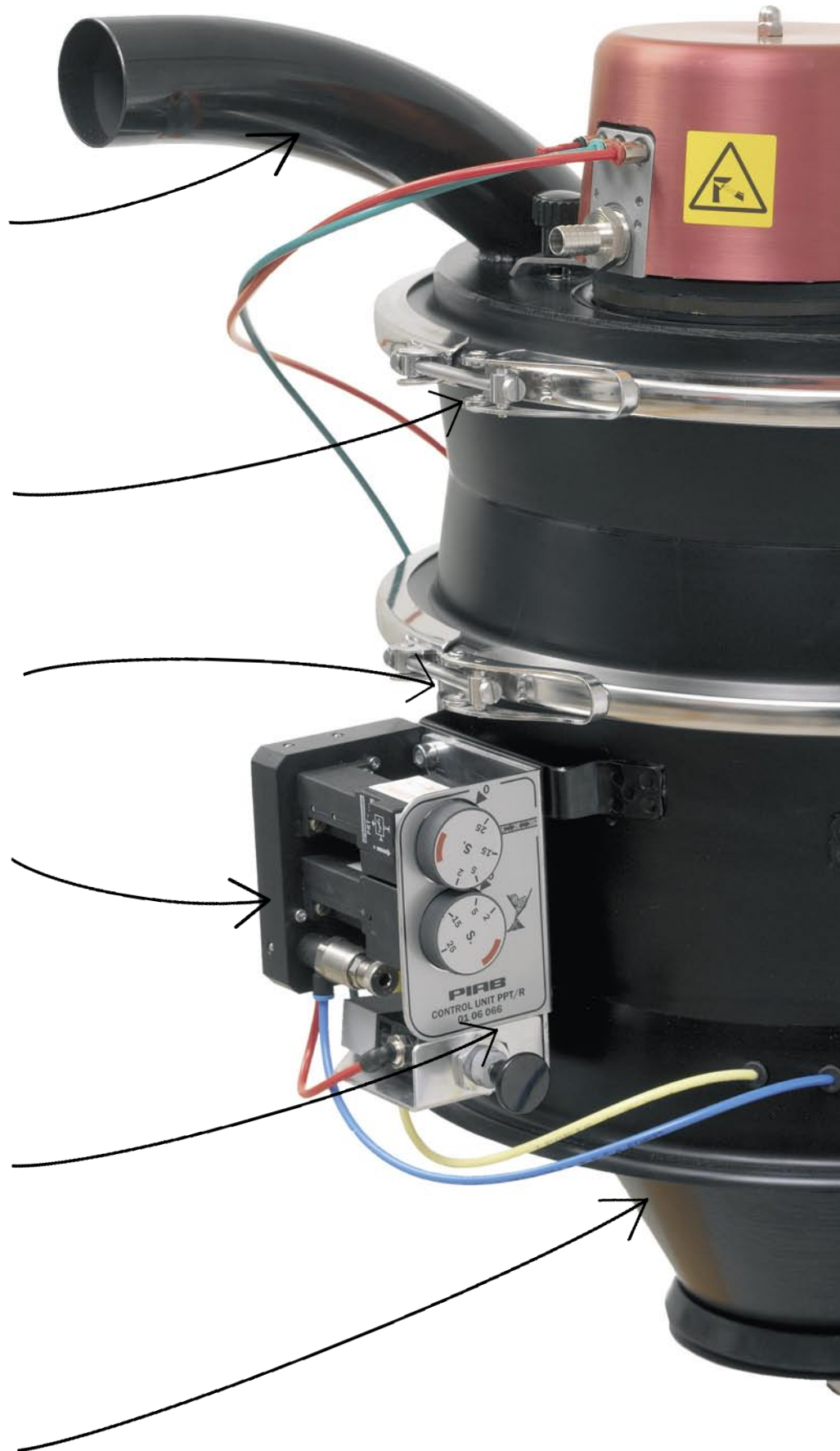
High conveying capacity

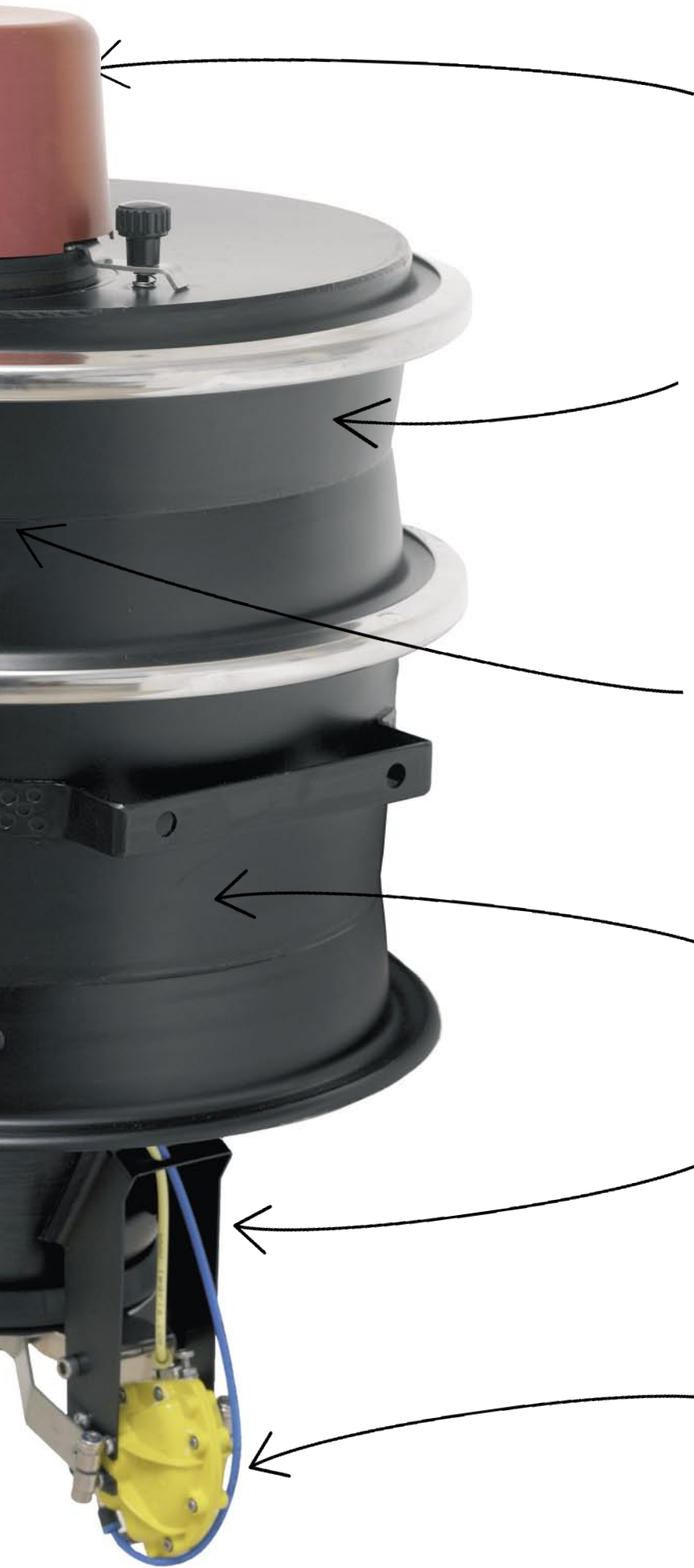
Despite the small external dimensions the vacuum conveyor has a very large internal volume. It therefore offers secure and stable conveying with great flexibility when it comes to the material conveyed.

Ease of service

The upper section of the conveyor can be easily and quickly removed for servicing. Being able to minimise the time required for maintenance always results in higher productivity.

COAX® is a trademark registered by PIAB for all its vacuum pumps that are manufactured according to the patented COAX® technology in which the nozzles, non-return valves and the silencer of the compressed-air driven vacuum pump are integrated into one single interchangeable unit - COAX® cartridge.





Minimum of maintenance

The pump is driven by compressed air and it therefore has no moving parts. The only thing that might need changing is the filter.

Plug & Convey

Vacuum created by compressed air makes it easy to install the vacuum conveyor. The quick-start operation is an important factor when it comes to productivity. The compressed-air operation also means that the ambient air is not heated. The noise level is low and the conveyor is easy to maintain.

Good filtration

The driving mechanism is protected against the effects of the conveyed material by the use of specially developed filters. This means low discharge of pollutants, which is positive for the working environment.

High level of safety

PIAB's vacuum conveyors protect the environment from the conveyed material as well as the material from the environment.

Reliable technology

PIAB's vacuum technology is an accumulation of fifty years of development. Our reliable, high-quality system components offer secure and stable functions.

Low energy consumption

The COAX® technology is unrivalled when it comes to optimising the vacuum efficiency in relation to the use of energy.

PIAB has a vacuum conveyor for your unique industrial application

Raw materials in the shape of powders, granules, pellets or flakes are very common in the industrial world. Below are a number of examples of finished products that are manufactured by using such materials.

Brake pads, clutch disks



Catalysers

Plastic objects



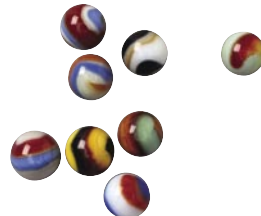
Fire extinguishers



Ammunition

Pet foods

Foundry products



Coffee

Household appliances

Tiles and clinker

Porcelain

Car tyres



Detergents

Stearine candles



Milling, drilling and turning tools



PIAB GIVES YOU SERVICE ALL OVER THE WORLD

ASIA PACIFIC (SINGAPORE)

PIAB Asia Pacific Pte Ltd
27 Mandai Estate #05-02
Innovation Place 2 Tower 2
SINGAPORE 729931
Tel: +65 6368 2348
Fax: +65 6368 5948
sales@piab.com.sg

AUSTRALIA

PIAB Vacuum Technologies Pty. Ltd.
2/17 Southfork Drive
AU-KILSYTH, VIC 3137
Tel: +61 3 9761 7731
Fax: +61 3 9761 7732
info@piab.com.au

BRAZIL

PIAB Do Brasil Ltda.
Rua Capitão Joaquim da Silva Rocha, 50
Jd. Ana Maria
BR-13209-020 JUNDIAÍ SP
Tel: +55 11 4522 4044
Fax: +55 11 4522 4066
piabbrasil@piab.com.br

FRANCE

PIAB S.A.
Parc d'Entreprises Esplanade
Saint Thibault-des-Vignes
F-77462 LAGNY SUR MARNE CEDEX
Tel: +33 1 6430 8267
Fax: +33 1 6430 8285
info@piab.fr

GERMANY

PIAB Vakuu GmbH
Pfungstweide 41
D-61169 FRIEDBERG
Tel: +49 6031 71840
Fax: +49 6031 718419
info@piab.de

GREAT BRITAIN

PIAB Ltd.
P.O. Box 43
GB-LOUGHBOROUGH
Leicestershire LE12 8NY
Tel: +44 1509 814 280
Fax: +44 1509 814 647
info@piab.co.uk

ITALY

PIAB ITALIA Srl
Via Schiaparelli, 10
IT-10148 TORINO
Tel: +39 011 226 36 66
Fax: +39 011 226 21 11
piab@piab.it

JAPAN

PIAB Japan Ltd.
3-11-23 Hikawacho
TODA-SHI, Saitama-ken 335-0027
Tel: +81 48 443 9148
Fax: +81 48 443 9179
info@piab.co.jp

KOREA

PIAB Korea Ltd
C-2105 Daelim Acrotel
467-6 Dokok-Dong, Kangnam-Gu,
SEOUL
Tel: +82 2 3463 0751
Fax: +82 2 3463 0754
sales@piabkorea.co.kr

NORTH AMERICA

PIAB USA, Inc.
65 Sharp Street
HINGHAM, MA 02043
Tel: +1 781 337 7309
+1 800 321 PIAB
Fax: +1 781 337 6864
info@piab.com

SOUTH AFRICA

PIAB (Pty) Ltd.
P.O. Box 23512
Claremont
CAPE TOWN 7735
Tel: +27 21 447 5110
Fax: +27 21 448 0057
info@piab.co.za

SPAIN

Vacío PIAB, S.L.
Ctra. Llobatona, s/n, Nave 12
ES-08840 VILADECANS –
BARCELONA
Tel: +34 93 638 90 91
Fax: +34 93 638 08 48
piabspa@piab.es

SWEDEN

PIAB AB
Box 4501
SE-183 04 TÅBY
Tel: +46 8 630 25 00
Fax: +46 8 630 26 90
info@piab.se

SWITZERLAND

PIAB Vakuu AG
Stückirain 1
CH-3266 WILER BEI SEEDORF
Tel: +41 32 391 21 10
Fax: +41 32 391 21 11
info@piab.ch

PIAB DISTRIBUTORS

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