

WELCOME TO THE WORLD OF WAMGROUP®



Since the turn of the millennium WAMGROUP® have enjoyed constant growth thanks to an increasing number of customers all over the world who have placed their trust in us. The photograph shows the WAMGROUP® headquarters near Modena in northern Italy. The grounds measure some 330,000 square metres, 55,000 of which are covered by buildings.

Dear Reader,

First of all I would like to wish you a happy, healthy and successful year 2007.

We decided it was about time we started this Newsletter to let everyone – customers, suppliers, staff and all those who feel in some way connected with WAMGROUP® – know about the latest news on research and product development, as well as our strategies and plans for the near future.

In times of globalisation I believe it is a vital necessity to merge with foreign markets and take our know-how and manufacturing technology to different countries and places. WAMGROUP® companies have been successfully manufacturing in Italy since 1969. In the 1990s the first manufacturing units were set up outside Italy. Today WAMGROUP® equipment is manufactured in sixteen factories, eight in Italy, the others spread all over the globe.

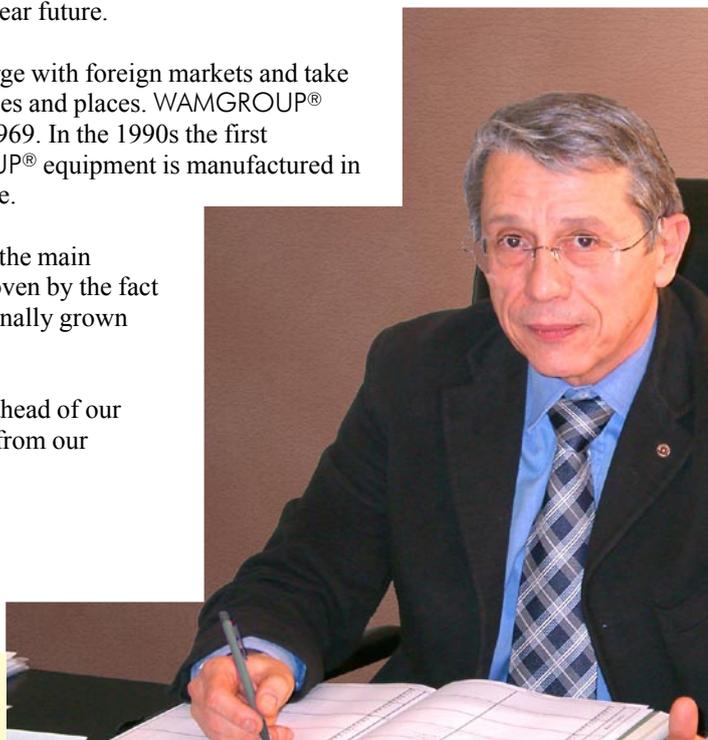
Lower production costs due to cheap labour are certainly not the main motivation for the internationalisation of manufacturing, as is proven by the fact that in the last three years the number of employees has proportionally grown more in our Italian operations than in the ones abroad.

In order to face the challenge of globalisation we need to be ahead of our competitors. We at WAMGROUP® believe that with the support from our colleagues worldwide we are ready to face that challenge.

Yours sincerely,

Vainer Marchesini

WAMGROUP® Chairman & C.E.O.



Contents :

- PAGE 2: Dust Control ♦ Automatic Warehouse
- PAGE 3: Loading Spouts ♦ Monster Mixer
- PAGE 4: Worldwide Operations
- PAGE 5: Pneumatic Conveying ♦ Gear Reducers
- PAGE 6: Compactors ♦ Award ♦ Management Courses
- PAGE 7: Extra-Durable ♦ Shake ... ♦ Training Courses
- PAGE 8: Loading Hopper ♦ People Moving ♦ Football Cup



WAMGROUP®

strong ethics winning spirit

WAMAIR® - THE RIGHT SOLUTION FOR DUST CONTROL

WAMAIR® Dust Collectors consist of a polygonal shape 304 stainless steel casing, horizontally or vertically inserted filter elements, and a reverse air jet cleaning system integrated in the robust hinged access door.

WAMAIR® Dust Collectors are either built in for venting applications or come as a stand-alone unit with dust collecting hopper.

Continued effort in research and development, as well as a total commitment to quality has led to the current range of square body dust collection units with the aim of satisfying the dust control requirements of virtually all industries.

1. Filtration efficiency

The filtering elements and filter media range available guarantee the right solution for all types of dust and applications. From silo venting to pneumatic conveying systems and up to 0.5µm of dust, WAMAIR® guarantees efficient dust removal and emission lower than 5mg/m³.

2. Safety

Maintenance of WAMAIR® filters is easy and comfortable thanks to the air jet cleaning system integrated inside the weather protection cover/maintenance access door.

WAMAIR® ATEX was developed and

tested in 2002 to comply with the new European standards for explosive atmospheres. WAMAIR® ATEX is completely certified for zone 22 and 21. Furthermore, this dust collector unit has been designed in compliance with the latest issue of VDI-guidelines.

3. Cost reduction

Installation costs are reduced because of the compact dimensions, especially where high filter - surface - volume - ratio POLYPLEAT® filtering elements can be used.

The components and materials have been developed to increase the life of the filter. A highly efficient cleaning system with "Full Immersion" solenoid valves has been developed to minimise pressure loss and to guarantee longer life of the filtering elements.

Maintenance solutions such as integrated cleaning systems reduce maintenance costs.

304 stainless steel as standard body material and an aluminium air tank offer high resistance to aggressive or corrosive environments.

WAMAIR® for polymer dust in car tank manufacturing plant at TI-Group in Ghent, Belgium



WAMAIR®

APPLICATION EXAMPLES

GLASS RAW MATERIAL PROCESSING

- Silo venting for sand, dolomite, soda, limestone
- Mixer de-dusting
- Cullet belt conveyor de-dusting

ANIMAL FEED MILLING

For flour and calcium carbonate in

- Silo venting
- Belt conveyor de-dusting
- Bucket elevator de-dusting

PLASTICS RAW MATERIAL PROCESSING

For calcium carbonate, TiO₂, PVC

- Silo venting
- Suction conveying

FOOD PROCESSING & PACKAGING

For sugar, flour, additives, chocolate, coffee, cereals

- Silo venting
- Mixer de-dusting
- Belt conveyor de-dusting
- Bucket elevator de-dusting

WOOD PROCESSING

For sawdust

- Suction conveying

WELDING

For fumes

- Suction conveying

SHOT BLASTING

For steel dust, fumes, environmental dust

- Suction conveying



New Automatic Warehouse at OLI S.p.A. in Medolla (Italy)



The new automatic warehouse at OLI S.p.A. was finished in early November 2006. With a surface area of 420 square metres and a height of sixteen metres the structure provides room for 2,000

pallets. A robot performs all loading and unloading operations in fully automatic fashion. Regular operation started in December 2006.

BELLOJET® FOR PORT OF RAVENNA

A SUCCESS STORY BY TOREX®

EURODOCKS is a young company which started as Terminal Operators on July 1st 1994.

They are able to receive the largest vessels that are allowed to enter the port of Ravenna.

In 2006, EURODOCKS bought thirty BELLOJET® Loading Bellows from TOREX® for a new storage and production plant for calcium carbonate that is going to be one of the biggest of its kind in Europe.

In this terminal ships car-

rying limestone from the Balkan area are unloaded. The limestone is then crushed and transformed into calcium carbonate.

The BELLOJET® ZA-type Loading Bellows with built-in dust filter for tanker loading are equipped with double chutes and vibrating level probes.

The installation required special supports for the loaders.

The application is proving that TOREX® Loading Bellows with built-in dust

filter are more and more appreciated by users, and in particular by

those who use them for continuous and heavy duty.



BELLOJET® battery at EURODOCKS in the port of Ravenna, Italy

Monster Mixer by MAP®

Escorted by Italian Polizia Stradale and French Gendarmerie, the first-ever-built WBHT 15,000 litre batch mixer with 60-degree bomb bay discharge door manufactured by MAP® set off on its journey. Destination: an animal feed milling plant in Brittany, France.

Promptly installed within two days time, the mixer started production on October 14th 2006. Since then it has been operating continuously twenty-four hours a day. Nearby, another WBHT 8,800 litre batch mixer with 60-degree bomb bay discharge is working in intermittent operation.

The product is a mixture of flours and additives with the addition of molasses in variable percentages reaching a maximum of 14%.

The WBHT 15,000 reflects state-of-the-art technology achieved by MAP® in twenty-five years of mixer manufacturing and some 3,200 units supplied since then.

The mixer, which is completely manufactured from 304L stainless steel, is equipped with shovel-type mixing tools and scrapers, a large loading hopper that covers the entire length of the mixer, eight tulip-type choppers with 11kW drive power per chopper, and eight liquid injection wands for molasses. The mixer is driven by an in-line

200kW geared motor. A temperature jacket, which covers the entire length of the mixer, helps to keep the molasses fluid and avoid any product residue on the internal mixing chamber surface. The main feature of the WBHT 15,000 is the 60-degree bomb bay

discharge door which opens the entire mixing chamber. Product evacuation in a very short time with almost no residue is guaranteed. Complete opening and closing of the discharge door takes 22 seconds.

tion wands and heat-exchange jackets that help increase mixing efficiency and product homogeneity. More than fifty mixers with bomb bay discharge door in the latest version have already been supplied and another eighteen are scheduled for the next few months, as a confirmation of the positive market response to MAP® products.

To sum up, the advantages of the WBHT-type bomb bay discharge mixer by MAP® are: maximum mixing homogeneity, short mixing time, excellent reproducibility of the batches, minimum wear, as well as low maintenance costs, total emptying and minimum product residue, and self-cleaning of the discharge door gasket.



The production team on the day before shipping

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The animal feed sector is appreciating more and more horizontal single shaft mixing technology and, in particular, shovel-type mixing tools given their considerable advantages compared to ribbon blenders and twin shaft paddle mixers. MAP® mixers also excel thanks to accessories like choppers, injec-



WBHT 15,000 for feed and molasses on its way to the COOPERL feed mill in Brittany, France

WAMGROUP® 2006 - WORLDWIDE OPERATIONS

The Italian WAMGROUP® Holding currently controls 36 subsidiaries in 26 countries. Eight of the foreign subsidiaries include components production and/or assembly lines for the major products.



WAM S.p.A. in Ponte Motta di Cavezzo, Modena (Italy)

Along with the eight Italian manufacturing companies and divisions, WAMGROUP®



OLI S.p.A. in Medolla, Modena (Italy)



TOREX S.p.A. in San Prospero, Modena (Italy)



R & S RONCUZZI S.r.l. in Ravenna (Italy)

products are now produced in sixteen manufacturing plants worldwide.

Internationalisation is proceeding well as one of WAMGROUP®'s major strategies.

The actual operational plan foresees that the foreign factories manufacture differ-



WAM Product in Breznički Hum, Zagreb (Croatia)

ent products from the vast WAMGROUP® product range supplying them to the

Group's Assembling Units and to the market through the Group's Trading Subsidiaries.

Since WAM Product was set up in Croatia in 2003, the company has been supplying heavy-duty fabricated components to WAMGROUP® assembling units. Now WAM Product also produce complete equipment such as bulk bag dischargers, bulk bag fillers, CONSEP® concrete reclaimers, and from 2007 also pressure relief valves, butterfly and slide valves, as well as bin

activators.

WAM Romania, established in 2002, specialise in the supply of mainly stainless steel fabrication, mechanical and engineered polymer components to the



WAM Romania in Dumbrăvești, Prahova (Romania)

Group's assembling units. In addition, production of venting filters and dust collectors like HOPPERJET®, DUSTSHAKE and DRYBATCH®, manual bag openers, as well as WETMIX® mortar mixers is well under way.

In December 2005, WAM Shanghai inaugurated their new factory in Shanghai-



WAM Shanghai (China)

Pudong located only ten minutes away from the city's new international airport. Since 1995 WAM Shanghai has supplied fabricated components and mechanical parts to the assembling Group members.

For the Chinese and surrounding markets WAM Shanghai manufactures and supplies screw Conveyors, SILOTOP® V2 silo venting filters and WAMFLO® dust collectors, butterfly valves, slide valves and pressure relief valves, as well as rotary valves and bin activators.



WAM Bombay in Mumbai (India)

WAM Bombay only started manufacturing in November 2005. Since then they have been supplying fabricated and mechanical components to the Group's assembling companies. For the Indian market the company manufactures complete tubular screw conveyors, and from April 2007, SILOTOP® V2 silo venting filters and valves too.



WAM Inc. Georgia Division in Lawrenceville, Georgia (USA)

The two assembling divisions of the Group's U.S. operation WAM Inc., based in Atlanta, Georgia and Fort Worth, Texas, supply the North American market with both WAM® and U.S. standard screw conveyors, SILOTOP® venting filters and WAMECO® dust collectors.



WAM do Brasil in São José dos Campos, São Paulo (Brazil)

WAM do Brasil supplies screw conveyors and dust collectors to customers on the South American continent.

BLOBOY® PNEUMATIC CONVEYING SYSTEM

FOR DRY PREMIXED BUILDING MATERIALS

BLOBOY® is an independent pneumatic conveying system, suitable for conveying premixed building materials, such as mortars and plasters, stored inside gravity-fed silos. The system conveys the premixed material to the mixer (or plaster sprayer) situated nearby in the application area.

The system consists of a transporter for holding a certain quantity of premixed product extracted from the

silos, a compressor for transferring the premixed product from the transporter to the mixer (or plaster sprayer) present in the product application area, and an electric panel which controls the operation and pause cycles including extraction of premixed material from the silo, in an entirely independent manner.

The electric panel is specially designed to power and interact with a level indicator

fitted on the hood of the hopper of the mixer (or plaster sprayer). The electric panel controls activation

of the vibrator, the pressurized transporter valve, and the compressor for product delivery.



BLOBOY®



NEW M4-SERIES GEAR REDUCERS

In November 2006 production of the new M4_-type reduction gear units with integrated end bearing assembly started in order to substitute the old M1_-series.

As an evolution of the M1_ which has been in production since 1979 reaching a total number of more than 400,000, the new M4_-type adds a few new features and advantages to the well-known ones of the M1_ . Maintaining such characteristics as reliability and economy in operation, as well as simplicity in design, the M4_-series excels by virtue of a more industrial, rounded shape. All cavities and niches have been eliminated, a measure that has made the entire body structure of the reducer more rigid. A bigger size casing with a consequently larger body surface and an increased volume for lubricant oil has resulted in better cooling properties, reduction in thermal stress on the mechanical components, and finally, higher efficiency and an increased service factor of the reducers.

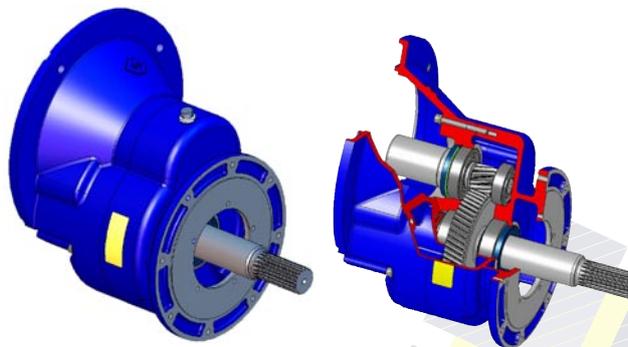
However, the more important modifications are the ones that are invisible from outside.

Now helical-toothed gears guarantee a drastically reduced noise level during operation.

Gear ratios available are the same as with the M1_-series.

Obviously the new models are 100% interchangeable with the previous ones.

Last but not least: With the new M4_-series gear reducers WAM® finally offers a true alternative option to the most renowned trade-marks available on worldwide markets.



M 45 gear reducer with integrated end bearing assembly

The drive pinion input shaft now rests on two bearings that ensure that the shaft stays perfectly aligned, thus avoiding that pinion shaft or parallel key of the electric motor become damaged in time. The two semi-bodies of the casing are coupled with the aid of locating pins in order to keep the gears internally perfectly aligned.

The new series includes five sizes: M41, M43, M45, M47, M49.



M-Series gear reducer production

SCREW COMPACTOR RE-ENGINEERED BY SPECO®

The new CPS by SPECO® Division is a machine that combines three functions: conveying, draining and compacting. It is mostly used in waste water treatment plants to drain and compact the solids coming from a screening machine.

The main benefit of the CPS Screw Compactor is a volume and weight reduction at the outlet for easier and cheaper disposal of the solids.

The innovative elements of the new CPS are the drainage and the compacting zone. The drainage module under the inlet consists of a perforated sieve manufactured from SINT® engineering polymer, adjustable in height to remain directly in contact with the screw for self cleaning of the bores. The compact-



CPS Screw Compactor outlet plug

ing zone is equipped with a cylindrical shaped slotted sieve and a SINT® diaphragm at the outlet reinforced by metal sheets inside. By changing the number

of those sheets a different pressure is obtained, hence a different dry solids content in the material discharged. The internal sieve is easily replaceable without any need to remove the screw. As a matter

of fact, sieve replacement is so maintenance-friendly that one does not even need to touch the screw. The washing system will keep the sieve clean at any time.

The screw turns on an HDPE liner that protects the trough acting at the same time as a collar bearing to the screw.

HUMAN RESOURCES COLUMN

The average age of factory workers at WAM S.p.A. in Italy is 35.8 years, while that of the office personnel is 35. However, every company needs experienced staff who will transfer their knowledge and the traditional values to the younger generation. Major seniority within WAMGROUP® has been achieved by:

Mirco Ratti	35 years
Tommaso Federici	34 years
Luigi Bulgarelli	34 years
Stefano Cavicchioli	32 years
Corrado Valentini	31 years
Marco Ascari	30 years
Michael Grass	30 years
William Fantini	28 years
Claudio Mariuzzo	28 years
Maddalena Turco	26 years
Nino Ratti	25 years

CITATION AWARD

In June 2006, Mario Castaldo, Ronnie Chinaglia and Daniele Luppi obtained a special award by WAMGROUP® Chairman & C.E.O., Vainer Marchesini, for the development of a new production system.

2006 Management Courses at Headquarters in Italy

Personnel Management:

Filippo Inversani, Mauro Tarroni, Gabriele Crespi, Guerrino Alcorini, Paolo Bertelli, Paolo Scala, Alberto Gasperi, Cristian Alberesi, Tommaso Federici, Germana Giovannelli, Omero Schiavi, Daniele Luppi, Marco Ascari, Davide Baraldi, Luca Bonvicini, Maurizio Brina, Stefano Campagnoli, Gabriele Crespi, Filippo Inversani, Alessio Lugli, Vincenzo

Sirianni, Luca Tassi, Patrizio Trombin.

Advanced Personnel Management:

Simone Colombarini, Paolo Gavioli, Maurizio Magnoni, Riccardo Martinelli, Massimo Molinari, Mauro Palmieri, Gianni Salvioli, Filippo Soffritti.

EXTRA-DURABLE EXTRABEND®

The development of components for pneumatic conveying systems has been a great concern to WAMGROUP® for some time.

The Group's members WAM® and TOREX® have specialised in this technology offering a steadily growing range of products dedicated to pneumatic conveying systems: butterfly valves, ball segment valves, diverter valves, blow-through rotary valves, pinch valves and pipe

elbows.

The new models of short-radius EXTRABEND® and large-radius EXTRACURVE® pipe elbows, which are entirely manufactured from WAMGROUP®'s unique SINT® engineering polymers, have enjoyed a huge success since their market introduction in 2002.

Recently one of Italy's foremost pasta manufacturers was convinced of the superior quality of EXTRABEND® pipe elbows that had been

installed in a pneumatic conveying system in a flour mill in the northern Italian town of Ferrara. The existing carbon steel elbows had suffered severe wear from the moderately abrasive bran con-

veyed in the system.

With EXTRABEND® there was considerably less wear on the body which led the customer to the conclusion to replace the pipe elbows in all his Italian plants.



EXTRABEND® Pipe Elbow



Shake What's Inside, Not The Silo

At times flowability of certain powders is so poor that discharge from silos assisted by flow aids like aeration pads, pneumatic hammers, hammer blasts or even air cannons is impossible.

In such cases a Bin Activator is the ultimate flow aid and extracting device for such materials.

The BA Bin Activator by the EXTRAC® Division of WAM® is a device of tapered conical shape that due to vibration facilitates material flow from hoppers or silos. It consists of a seamless carbon or stainless steel cone manufactured on a sheet metal lathe, a seamless SINT® engineering polymer seal with integrated upper and lower flange, suspensions for connection of the Bin Activator

with the silo, as well as one or two electric vibrators.

BA Bin Activators are available in diameters from 400mm to 3,000mm and are

manufactured from carbon or stainless steel.

The robust and compact design, a wide range of seals including FDA-approved food-grade and high-temperature versions, a selection of baffle plates in accordance with the application, low power requirement, the extra durable suspensions, and the optional ATEX version make the BA-type the better choice.



Bin Activator for lime discharging in a waste water treatment plant in Tennessee (USA)

WAMGROUP® Training Courses

The WAMGROUP® training programme is divided into three sections: a Basic, an Intermediate and an Advanced Level. The participants must complete each level before progressing to the next.

The objectives of the Basic Level are to gain general knowledge of the WAMGROUP® philosophy and mission, the organization, the Group's history, an overview of the technologies applied, product range and production facilities, and some general marketing and sales guidelines.

The Intermediate Level provides more details of technologies, applications and

product range, product sizing guidelines, and WAMGROUP® marketing and sales strategies and techniques.

The Advanced Level goes deeper into product sizing routines. Moreover it assesses the ability of the participants to apply their knowledge gained in the previous levels through role plays and workgroups.

From March 2003 to November 2006, 155 attended the Basic level, 43 the Intermediate level and 19 the Advanced Level Training Course. Staff who attended came from 45 different companies and 33 countries. The courses, held at head-



Basic Level Training Course at WAMGROUP® headquarters in Italy

quarters in Ponte Motta, Italy, follow an annual schedule and are also held abroad on request.

RONCUZZI® GRAB LOADING HOPPER FOR IRISH PORT

The port of Foynes in Ireland has recently taken delivery of a rubber-tired de-dusting hopper from Italy-based bulk equipment specialist RONCUZZI®.

The hopper, which has an aperture of seven by seven metres, was mounted in record time and recently proved its efficiency when 20,000 tonnes of particularly fine clinker were offloaded from a ship in windy conditions. The average unloading rate is



Grab Loading Hopper in Foynes (Ireland)

550t/h. Part of RONCUZZI®'s 'Green Hopper' range, the sophisticated unit is equipped with its own pneumatic and electric power system as well as a patented de-dusting system fitted on the upper part of the hopper.

The plant was ordered earlier this year by Irish Cement who are part of CHR Group that own a modern cement production facility in Limerick (Ireland).

WAM® PEOPLE WHO IN 2006 HAVE MOVED FROM ITALIAN HEADQUARTERS TO FOREIGN SUBSIDIARIES

Paolo Carnelli to WAM Shanghai; Nicola Casari to WAM Spain; Nemo Malagoli to WAM Thailand.

WAMGROUP® WIN FOOTBALL CUP

'WAMGROUP® turned off the LAMBORGHINI engine' was the headline in the local newspaper on June 22nd 2006, after the team coached by Mauro Diazi had won the final of the prestigious Modenese Companies' Football Cup for the second time since 2002. Runner-up in 2003, the WAMGROUP® team had come third in 2004 and 2005.

Captained by Filippo Inversani, the WAMGROUP® side had played a convincing tournament beating the strong MASERATI team in the semi-final before giving a truly striking performance in the final. After goals by Nsiah Collins of Ghana and the Ukrainian Andriy Zhdan the final score was 3:2.



Next Issue Preview



In September 2005 the new WAMGROUP® web portal went on-line. Since then the WAMGROUP® Communications Centre at the Italian headquarters has been constantly working on the implementation of the Subsidiaries' websites.

In the next issue of WAMGROUP® News we will provide detailed information on work in progress

on the web portal and on the various tools included in the linked websites. WAMGROUP® take particular pride in providing a particularly comprehensive service and communication tools to both customers and staff worldwide.

IMPRESSUM

Published by:
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