



VIDMAR, established in Barcelona - Spain in 1985, is committed to become a leading company in manufacturing and supplying equipment for static weighing, dosing and continuous weighing, using for its systems the best technology available nowadays. In order to achieve this objective, we have composed a solid and reliable human and technical staff, which will be near you, to solve immediately all your control, weighing and dosing problems, assuring a fast and efficient post-sales service.

Accessories

DV.

Diverting valve
Rotary valve
Flow control gate

ES.

Elliptical axes sieve (wobbler)

PF.

Push floor

CB.

Bars gate for silos containing granular products.

CT.

Sliding gate for silos containing powdered products.

FG. Flap gates.

Used at mills, preheater or precalciners to control material inlet.

DT. Lumps breaker.

Intended to crumble material that formed lumps during transport or storage.

RL Cleaning scraper.

Collects material falling from a belt or apron conveyor, driving it to the discharge either sequentially or continuously.

TV.

Vibrating hopper Eases the extraction of humid or difficult products.

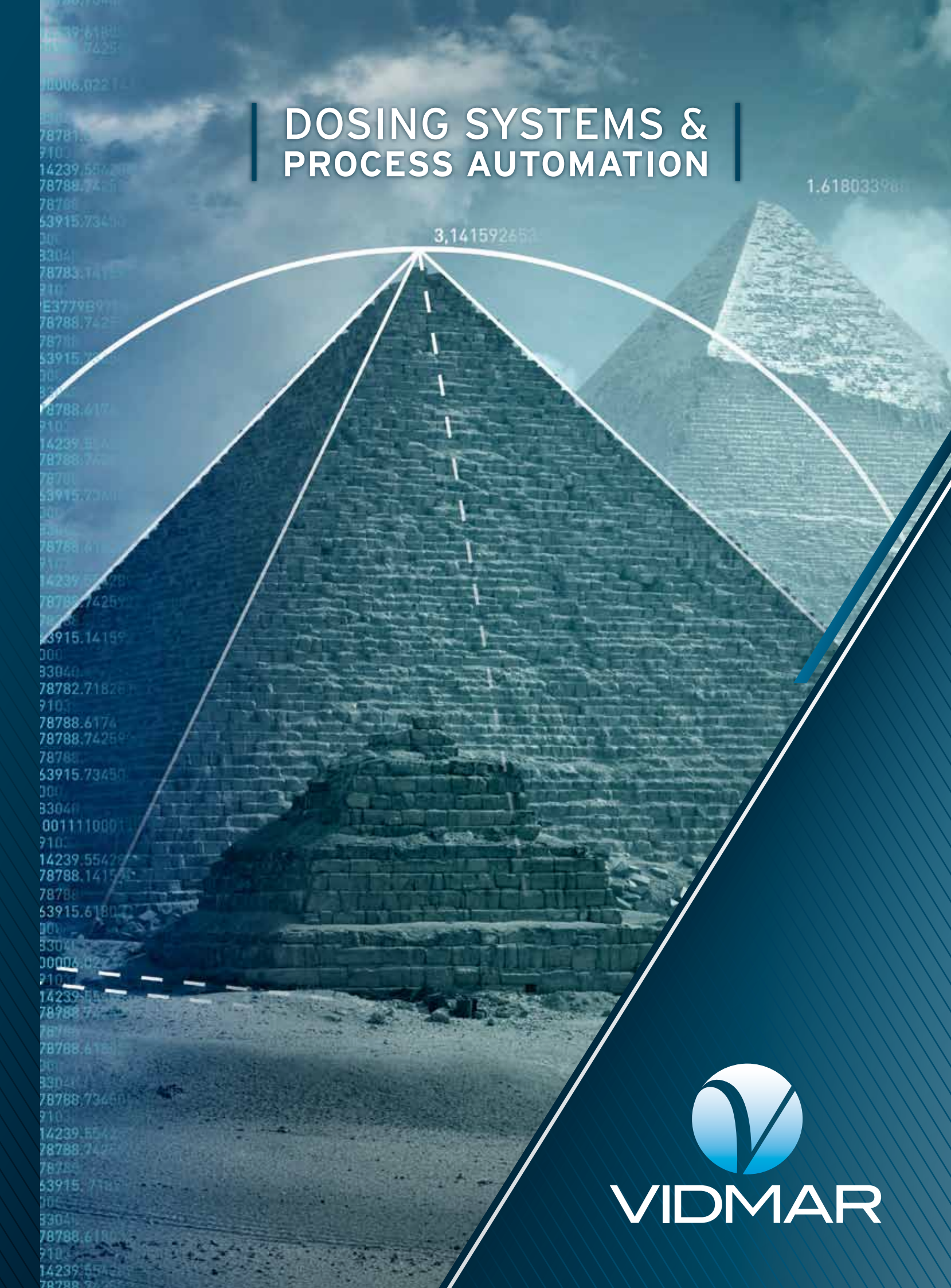


www.vidmargroup.com

PG La Cort, 8 - 9 E08261 Cardona (Barcelona) SPAIN

T: + 34 93.868.46.25 || F: + 34 93.869.10.53 || vidmar@vidmargroup.com

DOSING SYSTEMS & PROCESS AUTOMATION



Belt weigh feeders

BMG. Belt weigh feeder for granular products.

Dosing of materials for grinding in cement plants, aggregates, ceramics, chemicals, food industry and in all types of industry where it is necessary to dose material in continuous.

BMP. Belt weigh feeder for powdered products.

Dosing of powders that are difficult to handle, such as fly ash, raw meal for clinker production, cement, coal, feldspar, clays and any other product with a very small grain size and low angle of repose.

AF. Apron weigh feeder.

Dosing of highly abrasive and/or high temperature products. Used in cement factories, ceramics, chemicals and in all industries where continuous and accurate dosing of this type of material is required.

SC. Screw conveyor.

For enclosed conveying of solid materials.

LC. Chains feeders

For enclosed transport of material.

BC. Belt conveyors

Belt conveyors designed to fit the particularities of the materials being transported.

BS. Belt scale.

Allows determining the flow of material transported by belt conveyors.

DPR. Loss-in-weight feeder.

Used to dose powders, or viscous or liquid products, additives etc. in cement plants, pharmaceutical industries, food industry, plastic extrusion, soaps manufacturing,...

FM. Impact flow meter.

Used to determine the mass flow of grains or powders.



Process automation

INDUSTRIAL DOSING

Automation of static or dynamic dosing systems including weigh feeders, truck scales, belt scales, flow meters, loss-in-weight feeders, etc. The solution includes a control cabinet containing the required PLC, HMI, breakers, contactors, speed drives, etc. This system can be interconnected with plant's supervisory system, using wired signals and/or a communications bus.

MIXING CONTROL

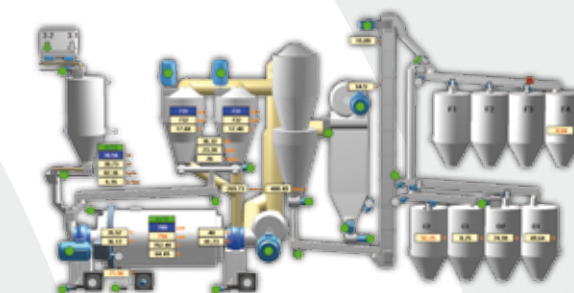
In some processes, it is necessary to dose the materials in a proportional way. For this purpose, Vidmar has a solution that integrates the existing dosing systems and synchronizes them according to the required proportions. Setting up the formula can be done from the mixing control itself via a local HMI or from plant's supervisory system.

PLANT AUTOMATION

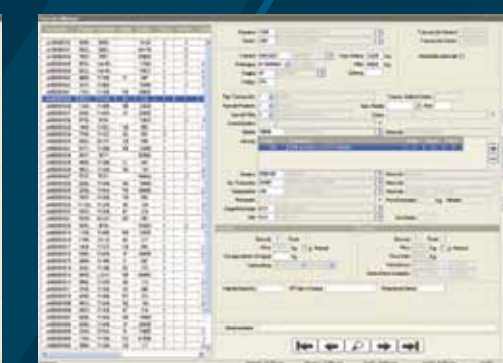
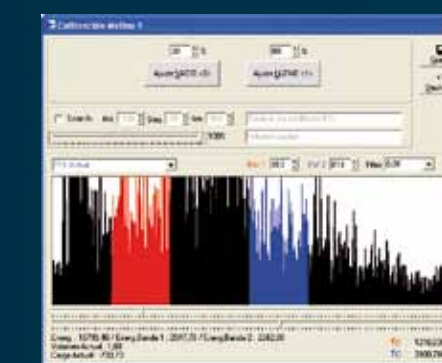
Vidmar offers the possibility of implementing the full control engineering for the automation of processing plants. From the process diagrams, the electrical drawings both for power and control are prepared; the appropriate electrical cabinets are built; and the PLC and supervisory systems are programmed.

OVERHEAD TRAVELLING CRANE

Vidmar control program for overhead travelling cranes allows controlling them in completely automatic mode. This program is used for automatic material handling of storages and warehouses used for raw materials, recycled products, etc.



Software



CEMLAB

Program that automates and manages sampling for material laboratory analysis and process regulation. Includes the following stages: field sampling; sample transport to laboratory; sample preparation for analyzers; collection and management of tests results; automatic setpoint calculation of mill dosing system from analysis results; reporting and communications with plant administrative servers.

DAQ.Net

Allows data acquired from a PLC to be recorded and represented graphically as an historic or in real time.

OREMOL 5 - Electronic ear

Application that reports in real time the filling ratio of balls mills, allowing improving grinding performance.

TRS.Net

Management and automation of vehicle transit in any type of industry, including: inbound / outbound control, automatic bulk loading, bagging control, unloading of raw materials and access control. Possibility to connect to plant administration software like SAP, JDE, ...

ICE.Net

Application for managing and automating ice loading to vessels.

UTILPLC.Net

Records values taken from a PLC and allows the data to be downloaded to a text file. The file can be updated periodically or by user's request.

Biodiesel

MAIN CHARACTERISTICS

- Plug & Play plants
- Small dimensions & easy transport
- Preassembled modules are fully tested at manufacturing workshops
- Fully automated
- Ease operation and maintenance
- Continuous operation
- Raw materials flexibility (vegetable oils, animal fats, used oils)

EUROPEAN STANDARDS

Biodiesel produced complies with requirements stated by directive EN14214.

From the point of view of safety integrity and areas having risk of fire, plant complies with Atex and SIL requirements



FLEXIBLE PRODUCTION

To reach a higher throughput, various modules can be installed in parallel.



| PROCESS CAPACITY L/h | DAILY CAPACITY L (1 shift - 8h) | ANNUAL PRODUCCIÓN L (1 shift - 8h)* |
|-------------------------|------------------------------------|--|
| 500 | 4.000 | 884.000 |
| 1000 | 8.000 | 1.768.000 |
| 1500 | 12.000 | 2.652.000 |

* Days per year: 52 weeks x 5 days x 0,85 = 221 days

Static weighing

Manufacturing of train and trucks scales made of steel and concrete; or even metallic only. Designed for use above ground or in a pit. Standard sizes up to 32m. Its design allows quick and easy installation and fast access to the load cells, facilitating inspection and maintenance jobs.

