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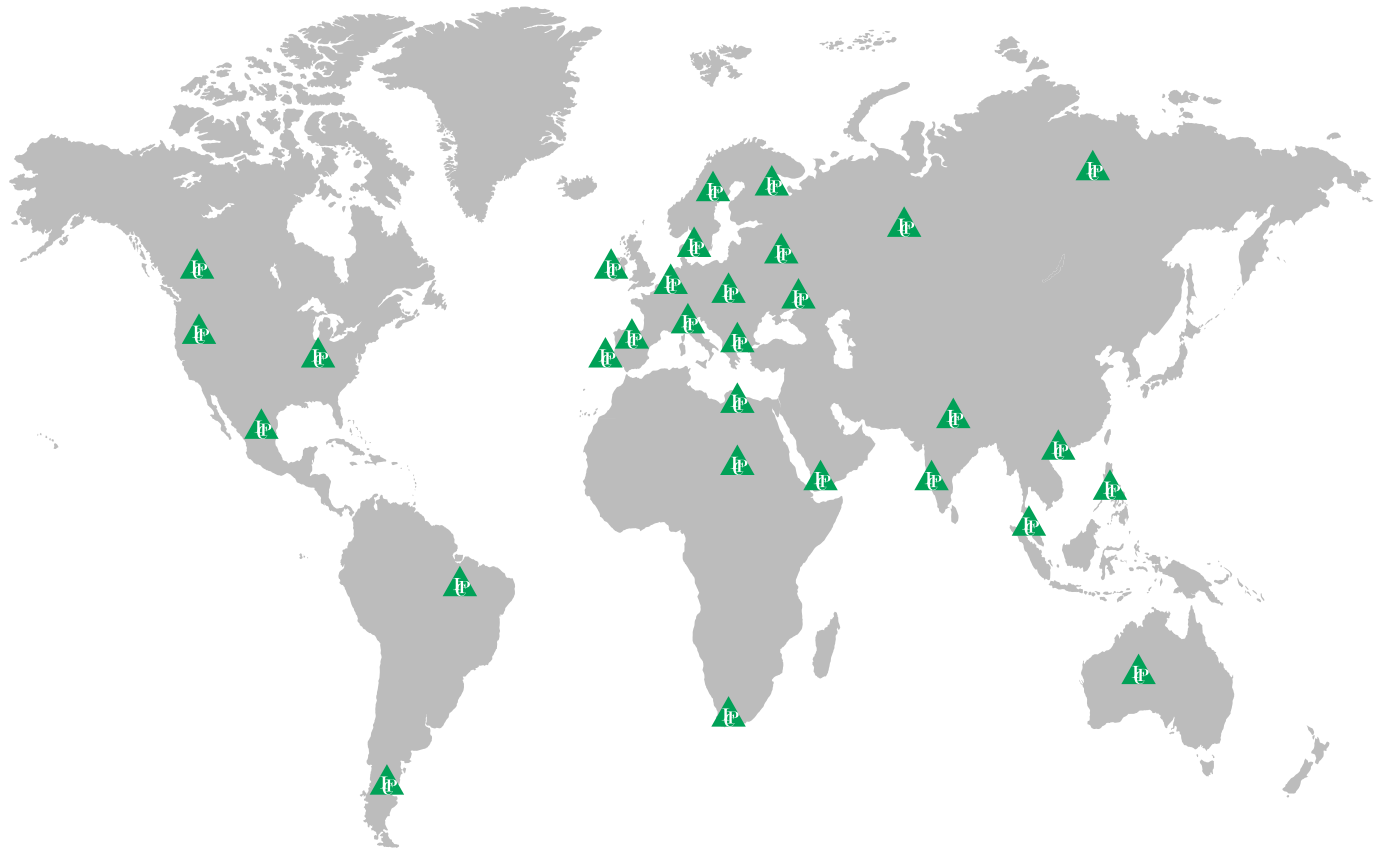
EVERY DAY, WE TAKE CARE
OF YOUR WEIGHING NEEDS.



PAVONESISTEMI



PAVONESISTEMI
IN THE WORLD



FIELDS OF USE OF **OUR** WEIGHING SYSTEMS



STEELWORKS

From a historical point of view, the steel industry is the most important sector for Pavone Sistemi. The first applications of weighing equipment date back almost 40 years ago.



DRILLING

Today the Pavone Sistemi production includes weighing systems specifically designed for maximum efficiency and performance in this industry.



PAINTS

Paint industry (along with steel) is one of the most important sectors for Pavone Sistemi. Today the production includes weighing systems for maximum performance in this area.



PACKAGING

Applications on multi-head weighers, vertical packaging machines, filling machines, automatic bagging machines and semi-automatic weighing systems, packaging, marking and packaging.



FOOD

Over 50 years of activity Pavone Sistemi has become the supplier of the most important international manufacturers of machines and plants for the food industry.



PLASTICS

Pavone Sistemi offers a wide range of indicators and weight transmitters, capable of interfacing to PC/PLC or dedicated boards using the main field bus on the market.



PAPER

Research and development of multiple solutions for the paper industries. Scales, load cells, weight indicators and transmitters per PC/PLC, integrated into the process automation.



AUTOMOTIVE

Pavone Sistemi production includes load cells, mounting hardware for PC/PLC, weight transmitters for batching indicators and weighing systems specifically designed for maximum efficiency and performance in this industry.



ENVIRONMENT

Pavone Sistemi is one of the first companies to provide its expertise in the field of weighing for the realization of plant in the ecological sector: recycling of raw materials, fume treatment plants for the production of energy from renewable.



UNIVERSITY RESEARCH

Thanks to our experience we support universities in their activities. Where a measurement of grams, kilos or tons or kN is needed here we are. We are proud to say the best universities chose our products!



UPLIFT

Weighing systems and load limitation applicable to overhead traveling cranes, aerial work platforms, cranes, hoists and lifts specially designed according to the specific needs of each client.



LOGISTICS

Today the Pavone Sistemi production includes weighing systems specifically designed for maximum efficiency and performance in this industry.



PHARMACEUTICAL CHEMICAL

The applications are very varied: from the weighing of a reactor in the chemical industry to the development of a system for the microdosing of the powders in the pharmaceutical field.



PETROCHEMICAL

Innovative solutions for the petrochemical industry: load cells, platform scales, weight transmitters and weight indicators. Integrated and interfaced.



TEXTILE

Systems for mixing macro/ micro components, systems for weighing and batching raw materials, systems for measuring and adjusting fabric tension on the roller.



BEVERAGE

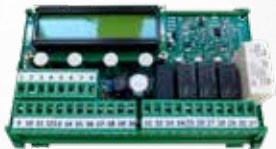
The implementation of systems for weighing silos and tanks is certainly one of our plus.



SHIPBUILDING

Today the Pavone Sistemi production includes weighing systems specifically designed for maximum efficiency and performance in this industry.





DAT 11



Is the fastest to receive, convert and transmit data thanks to a more performing A/D converter.

DAT 11 is a customizable product that has a mechanical keyboard with a programmable key block.

GET
A new client

DAT 1400 - MCT 1302



Fieldbus + analog simultaneously.

Internal software.

The fastest in its category.

All fieldbus available

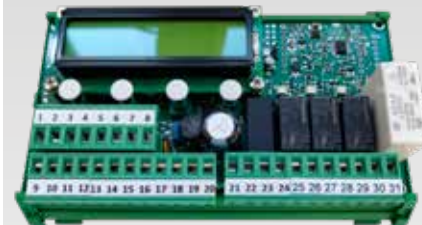
DAT 1400: mech keypad.

MCT 1302: touch screen display.

Good for barming stating and loss in weight applications.

CREATE
Fidelization

LC 330



Ultimate overload control system.

Through programming up to 3 thresholds, the detected load is constantly monitored and eventually the block with relays interevent is activated.

An additional general alarm relay is provided.

OFFER A NEW
Solution in lifting

THE REVOLUTION



Ideal for all industrial applications.

Able to monitor each load all independently.

Generate alarms for excessive cell signal drift.

The emulative control allows the weighing system to continue working even in case of a load cell failure until the replacement of the same.

NEVER STOP
Your production line

MUST HAVE



Immediate control of the correct mechanical installation and related electrical connections.

Rapid diagnosis of faults.

Signals in mv/v to calibrate the instrument used for weighing.

Automatic reading of the input resistance of the load cells (350 - 700 - 1000 - 2000 ohm).

REVOLUZIONIZE
Your weighing systems, start-up technique!

THE LITTLE GENIUS OF THE WEIGHING SYSTEM



- Among the weight transmitters, DAT 11 is the fastest to receive, convert and transmit data thanks to a more performing A/D converter. Thanks to its small size and compact design, the DAT 11 weight transmitter can be inserted in any work environment without taking up too much space. DAT 11 is a customizable product that has a mechanical keyboard with a programmable key block from which it is possible to manually set the weight filter with predetermined values or with individually adjustable parameters.
- The DAT 11 weight transmitter features removable screw terminal blocks, selectable logic input function, voltage or current analog input, unipolar or bipolar analog output, RS485 junction box connection and peak hold function for dynamic measurements.

ULTRA THIN WEIGHT TRANSMITTER



ALL FIELDBUSES AVAILABLE (PROFINET - PROFIBUS - ETHERNET - ETHERNET WEB SERVER
ETHERNET IP - ETHERCAT)

- DAT 11 is a product in step with the times. It complies with EN45501, and the Fieldbus data are updated to 125Hz. Compared to traditional weight transmitters, DAT 11 contains a USB port which allows the firmware update, the connection to the Optimization software and the connection to TESTER 1008, which facilitates calibration and troubleshooting.
- DAT 11 is able to perform various calibrations: "Dead Weight", "Theoretical" and "Data Sheet". In addition, it presents the linearization of the weight calibration on 5 points. Developed specifically by Pavone Sistemi and installed free of charge in the weighing instrument, the Optimization software allows you to simplify and perform various operations such as configuring the instrument and correctly and safely saving data through the DATALOGGER function.

- Frequency acquisition adc signal up to 1000 hz.
- Display resolution 999.999 divisions.
- Upload/download with its own software or ubs service.
- Fieldbus available: profinet, ethernet, ethernet ip, devicenet, ethercat.
- Suitable for batching solution.
- Theoretical or deadload calibration.
- Suitable for every type of industry.
- Ideal to be used for web tension systems.
- Analogue & fieldbus: both options available at the same time.
- Internal data logger function on onboard memory, and external for monitoring the performance of the weighing system.
- Removable terminal blocks - pitch 5.08 - to allow an easy connection.
- Possibility of din rail mount and concealed in the panel.
- 2 inputs & 2 optoisolated outputs.
- 2 ports dedicated to the fieldbuses to allow easy connection of multiple instruments.



Models:

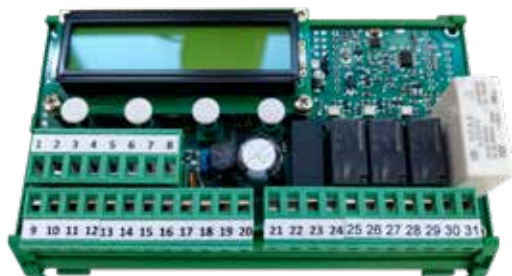
- ANALOG
- PROFINET
- PROFIBUS
- ETHERNET
- ETHERNET WEB SERVER
- ETHERNET IP
- ETHERCAT
- DEVICENET
- ANALOG + ETHERNET
- ANALOG + ETHERCAT
- ANALOG + ETHERNET IP
- ANALOG + PROFINET

- Frequency acquisition adc signal up to 1000 hz.
- Display touch screen lcd with display resolution 999.999 divisions.
- Upload/download with its own software or ubs service.
- Fieldbus available: profinet, ethernet, ethernet ip, devicenet, ethercat.
- Suitable for batching solution.
- Theoretical or deadload calibration.
- Suitable for every type of industry.
- Ideal to be used for web tension systems.
- Analogue & fieldbus: both options available at the same time.
- Developed for static weighing and batching.
- Customizable interface.
- 6 inputs and 6 opto outputs.
- Internal memory expandable up to 1024 kbytes.
- Pull-out terminal blocks for easy connection.
- Internal data logger function on integrated memory and on external pc for monitoring the change of displayed weight.
- Double port dedicated to the fieldbus to allow an easy connection of multiple tools without the use of a hub.
- Panel mount version.
- Info (& test) function: for having all the info always available.

Models:

- ANALOG
- PROFINET
- PROFIBUS
- ETHERNET
- ETHERNET WEB SERVER
- ETHERNET IP
- ETHERCAT
- DEVICENET
- ANALOG + ETHERNET
- ANALOG + DEVICENET
- ANALOG + ETHERCAT
- ANALOG + ETHERNET IP
- ANALOG + PROFINET





- Through programming up to 3 thresholds, the detected load is constantly monitored and eventually the block with relays intervene is activated.
- An additional general alarm relay is provided.
- Moreover other possible alarm conditions are also checked, such as unbalance of the 2 acquisition channels, missing connection of the load cell, incorrect power supply and auto diagnostic.

LC 330 can work as a single load overload controller or, connected to other units (max 4 total), it also controls the total load (summing function), with the intervention of the limitation relays, which are selectable on the single load or on the total. In the summing function the safety lockout relay intervenes both on the single load and on the sum, also controlling the condition of missing connection with the other units.

In the summing function, the Performance Level PL is "d" until 2 units connected and "c" over 2 units (EN13849-1).

The connection with the other units is in RS485 or with wireless RF (optional).

Instrument setup and the calibration, with the possibility of load linearization, are carried out with 4 mechanical keys and the aid of the LCD, or optionally through remote device connected in RF.

The LCD display, shows diagnostic functions, load cell signal and any alarms that have occurred.

2 Remote logic inputs perform the selectable functions of:

- limited adjustment to zero of the load
- ground data transmission
- "motor" input for the control function of the residual life of the lifting systems, calculation is in according to the lifted load and the activity time.

The optional analog output can be selected for operation on single load or on the total (summing function).

- Frequency acquisition 12.5 ÷ 300 hz. upload/download with its own software or ubs service.
- **Theoretical or deadload or table calibration.**
- Suitable for every type of industry.
- **The emulative control allows the weighing system to continue working even in case of a load cell failure until the replacement of the same.**
- It is able to monitor all load cells and generate alarms due to excessive cell signal drift, missing connections, failure of one of the cells, unbalanced weight distribution.



Models:

- | | |
|-----------------------|------------------------|
| • ANALOG | • ETHERCAT |
| • PROFINET | • DEVICENET |
| • PROFIBUS | • ANALOG + ETHERNET |
| • ETHERNET | • ANALOG + DEVICENET |
| • ETHERNET WEB SERVER | • ANALOG + ETHERCAT |
| • ETHERNET IP | • ANALOG + ETHERNET IP |
| | • ANALOG + PROFINET |

THE INNOVATIVE SOFTWARE



OPTIMATION[®]
THE CHANGE OF PERSPECTIVE

THE INTUITIVE AND EASY-TO-USE SOFTWARE ALLOWS YOU TO READ AND PROGRAM DATA OF DAT 1400, MCT 1302, UWT 6008 AND DAT 11.

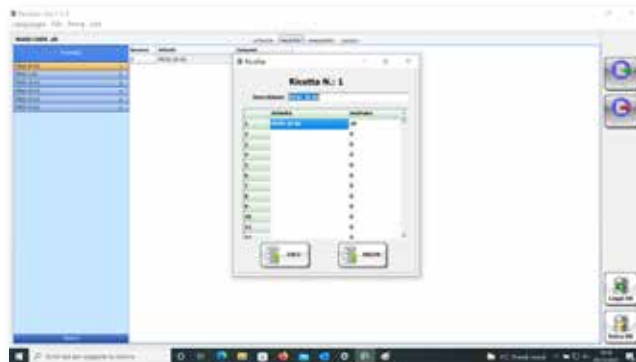
Main Functions:

- 1 Set-up.
- 2 Calibration.
- 3 Testing the inputs, the outputs and the analog.
- 4 Acquiring weight values and exporting in .Csv.
- 5 Data logger function.
- 6 Data back up.
- 7 Restore previously saved data.





THE **INNOVATIVE** BATCHING SOFTWARE FOR YOUR INDUstry





WHY BUY IT

- Immediate control of the correct mechanical installation.
- **Rapid diagnosis of faults:** the needed time is very short.
- Tester 1008 generates signals in mv/v in order to calibrate the weighing instrument.
- **The product is provided with a set of cables for a fast connection.**
- Automatic reading of the load cell input resistance.



REVOLUTIONIZE YOUR WEIGHING SYSTEMS START-UP TECHNIQUE!

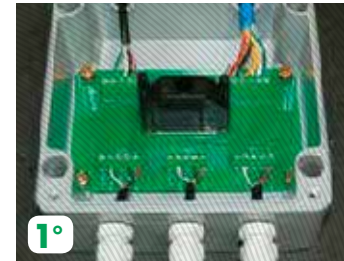
Incredible device, a real must have.

If used with Pavone Sistemi devices, Tester 1008 allows you to store data without removing the load from the cell. They can be recalled and managed for any repairs **WITHOUT** removing the load on the cells.

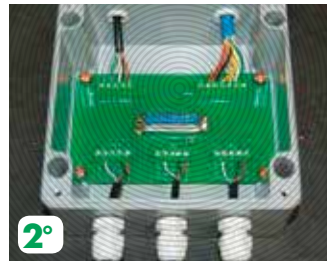
ONLY FEW COMPANIES CAN OFFER A PRODUCT LIKE THIS!
A SUPER CUSTOM SOLUTION!



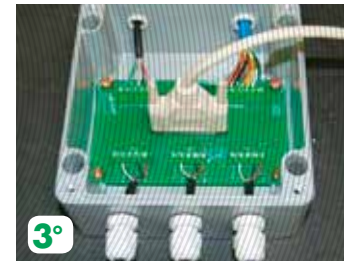
Start



Open the junction box and ...



... unplug the connector



Connect the Tester cable and make measurement

Finished measurements disconnect the cable from the Tester, then plug-in the connector in its place (1°) to restore the original configuration.

SHEAR BEAM



65023



SBR

DOUBLE SHEAR BEAM



DDR

UWT 6008



DAT 1400



MCT 1302



ACCESSORY



MKX

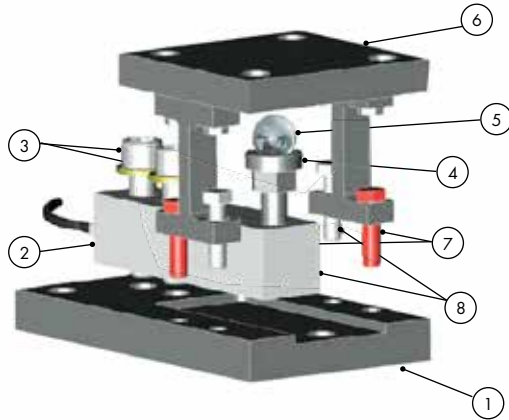


MH

ACCESSORY



DE



Legend

- 1) Base Plate with 3 through holes for ground fixing
- 2) Shearbeam load cell
- 3) Load cell fixing bolts
- 4) Ball-support accessory
- 5) Load ball in tempered steel
- 6) Upper Plate with 4 through holes for structure fixing
- 7) Locking bolts for transportation
- 8) Anti-tilt bolts. DO NOT remove

INNOVATIVE MOUNTING KIT

Mkx is a mounting accessory invented by pavone sistemi.

Innovative mechanical system for mounting load cells for industrial weighing systems.

The kit can be easily adjusted for both radial and angular assembly.

Mkx does not hinder the normal expansion and contraction movements of the weighing structure and it allows the weighing structure to be lifted by itself without the aid of a jack.

It is excellent as a template for the assembly mechanics of a weighing system.

The mkx accessory stands out from the others because:

For a fast connection.

- It is possible to adjust it in height and this allows to reach the perfect flatness.
- The lower base and the upper base are connected and fixed and this ensures correct installation and perfect perpendicularity.
- It also works as anti-tilting.
- It is able to absorb the lateral forces thanks to the ball cup attached to the base of the cell on which the load is unloaded.
- The mounting kit mkx is available in alloy steel or in stainless steel aisi 304.

COMPRESSION



PS24



CC3

BENDING BEAM



BBR

UWT 6008



DAT 1400



MCT 1302



ACCESSORY



MKC

ACCESSORY



MKX



MH

SHEAR BEAM



65023



SBR

DOUBLE SHEAR BEAM



DDR

COMPRESSION



PS24



CC3

BENDING BEAM



BBR

MC 315



zone
 1.21

E70/2



zone
 1.21

DAT-S 400

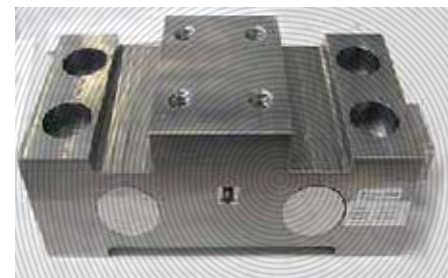
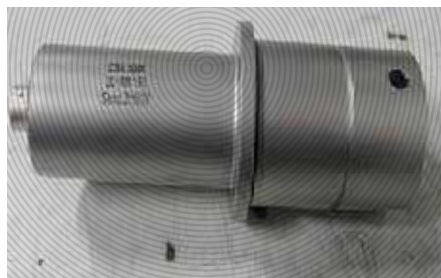
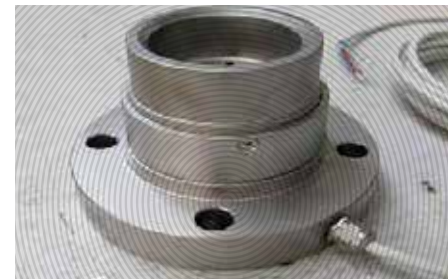
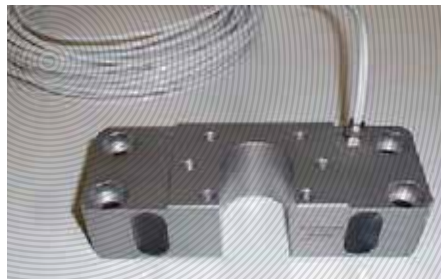


zone
 2.22

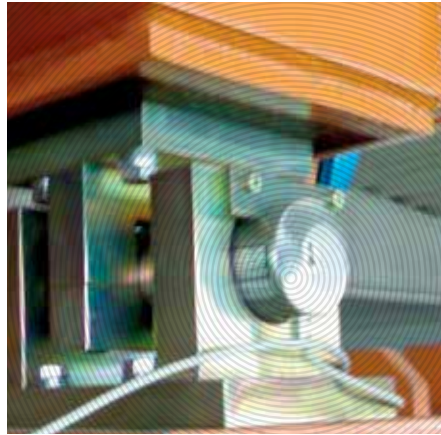
MCT-S 1302



zone
 2.22



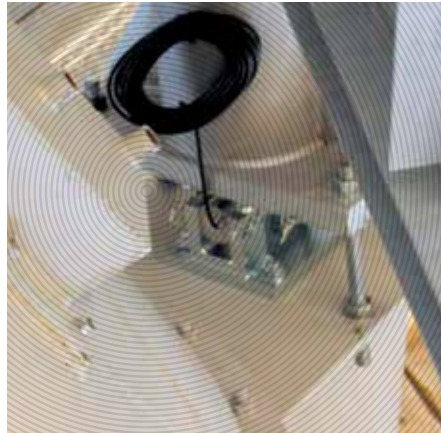
**HIGH TEMPERATURE UP TO
200° C**

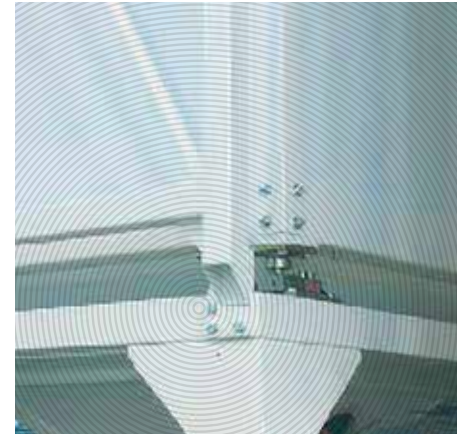








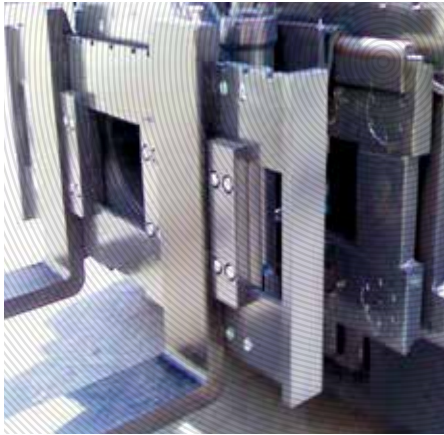










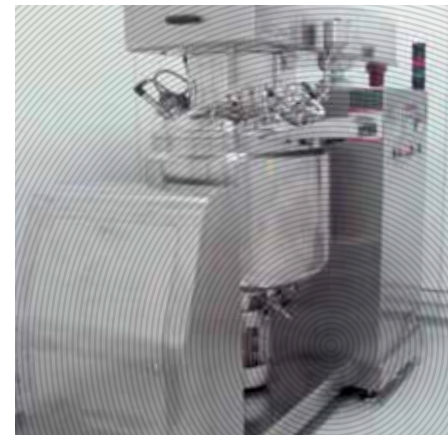


ONLY FEW COMPANIES
CAN OFFER A PRODUCT LIKE THIS!
A SUPER CUSTOM SOLUTION!

1 MIL kg

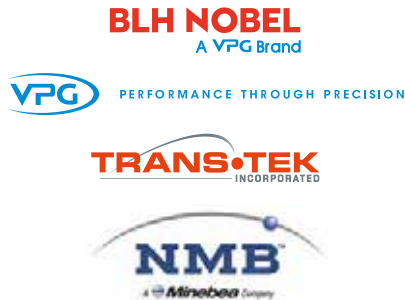






BRANDS

Over the years we have also acquired the exclusive representation of some prestigious companies.



CERTIFICATIONS

Through the years we have gained all available certification for guaranteeing you nothing but the best in products and services.



INNOVATION
—
PERFORMANCE
—
PRECISION
—
MADE IN ITALY
—
SINCE 1963
—



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