

STORAGE AND TRANSPORT TECHNOLOGY



PATENT PENDING
BR 1020180024213 - BRAZIL
AMERICA (USA, MEXICO)
EUROPE (EVERY COUNTRY)
ASIA (CHINA)



WHY USE MOVE®

Storage and cargo transport are fundamental to the logistic system in every business involving production and physical products distribution. Because of the logistic effort, companies and people have access to desired physical goods.

Innovation and technology in the logistics area have been greatly contributing to the improvement, as well transportation and storage costs reduction around the world.

Those benefits result in significant gains regarding security, competitiveness and quality.

However, some difficulties persist without suitable and efficient solution.

Therefore, places with restricted space that limit or forbid the use of conventional equipment such as sliding bridges, cranes, forklift, among others, operations of carrying, unload, handle and storage are difficult, or even unachievable.

The MOVE® System came to revolutionize the market presenting an innovative solution to many adverse situations, applied to any kind of load.

The main advantages of MOVE® are:

- Time reduction in carrying, handle and unload operations;
- Applied resources saving (workforce and equipment);
- Transportation means waiting time reduction, allowing better loading flow, as well as permanence reduction cost, specially for cargo plane and freighter;
- Logistic gains (flexibility of product transportation, greater consolidation of load capacity and increase of occupation tax).

MOVE® DESCRIPTION

MOVE® is a modular system self-operated to suspension and handling that can be built on different sizes and shapes, adjusting to any geometry configuration. In addition, the customized dimension allows it to adapt to various weights and load concentration.

Those mentioned characteristics associated to the flexibility of using a variety of materials such as carbon steel, stainless steel, aluminum, polyurethane, other types of plastic, industrial rubbers, and others, allows the perfect application in any demand.

The system presents two positions of use as shown below:

REST POSITION

In the rest position, the load is fully supported on a flat board, conferring stability and preventing displacement.



If the MOVE® System is not triggered, the spheres remain under the superior board.

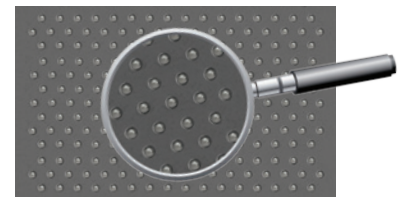


OPERATION POSITION

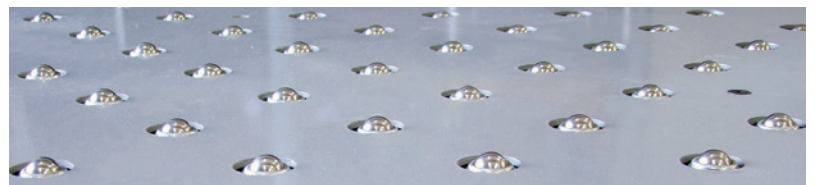
The operation position enables manually handling the load from one place to another, by sliding over a set of spheres.



If the MOVE® System is triggered, the spheres lie above the superior board.



Each module consists of two overlaid boards, where one is fixed and the other movable. This last board, when activated by pneumatic or hydraulic cylinders, dislocates to emerge the sphere set, which suspends the load and enables its free handling. When the load is positioned on the desired local, the cylinder action is interrupted, and the spheres gather themselves to the perfect settlement of the load.



TECHNICAL INFORMATION OF EACH MODULE

- Rectangular Basic Model
- Dimensions: 1.800mm x 1.080mm
- Load Capacity: 1.200kg
- Weight: 83kg
- Number of Spheres: 115 units
- Maximum punctual load in each sphere: 35kg
- Triggering cylinders: 4 or 5 units
- Types of triggering: hydraulic or pneumatic
- Flat Carbon Steel Plate with Epoxi paint



MOVE® APPLICATIONS

MOVE® System can be installed in box trucks, flatbed truck, cargo vans, containers, railway wagons, ship and plane load compartment, cold chambers, warehouses, production lines and other situations that demand mobility and practicality on the products movement.





MECPRO 3D - A Success History.

Located in Araraquara, São Paulo State - Brazil, MECPRO 3D plant has around 600m² area. The company is the ideal solution for those who are searching for quality services in mechanical engineering, once has a large experience of more than 30 years in the industrial sector. Furthermore, MECPRO 3D combines professionalism, technology and high level of quality care and service.

Our team execute designs and mechanical, electrical and electronic assemblies related to industrial equipment, along with consultancy services in engineering and operational installation systems of industrial segment.

Services and solutions:

- Machines design, manufacture and retrofit;
- Small and medium-size industrial machines design and manufacture;
- Industrial automation panels design and installation;
- Machines and special tools design (mechanical, electrical and electronic);
- Design of equipment for transportation and movement;
- Remodeling design for transportation and movement equipment (upgrading and automation);
- Consultancy in engineering and system implementation area (CAD/CAM/CAE).



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