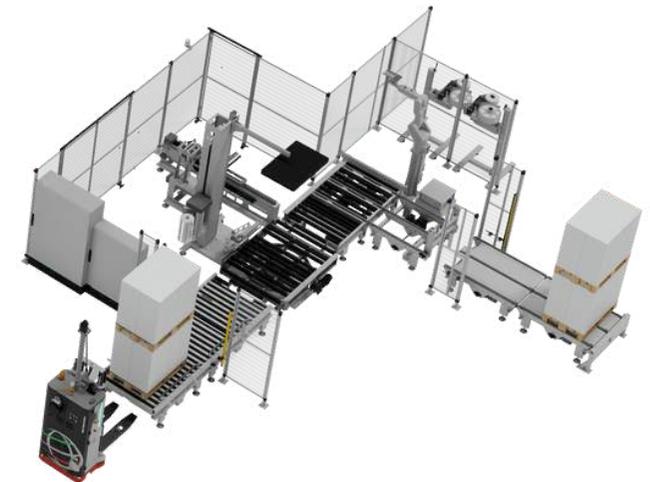
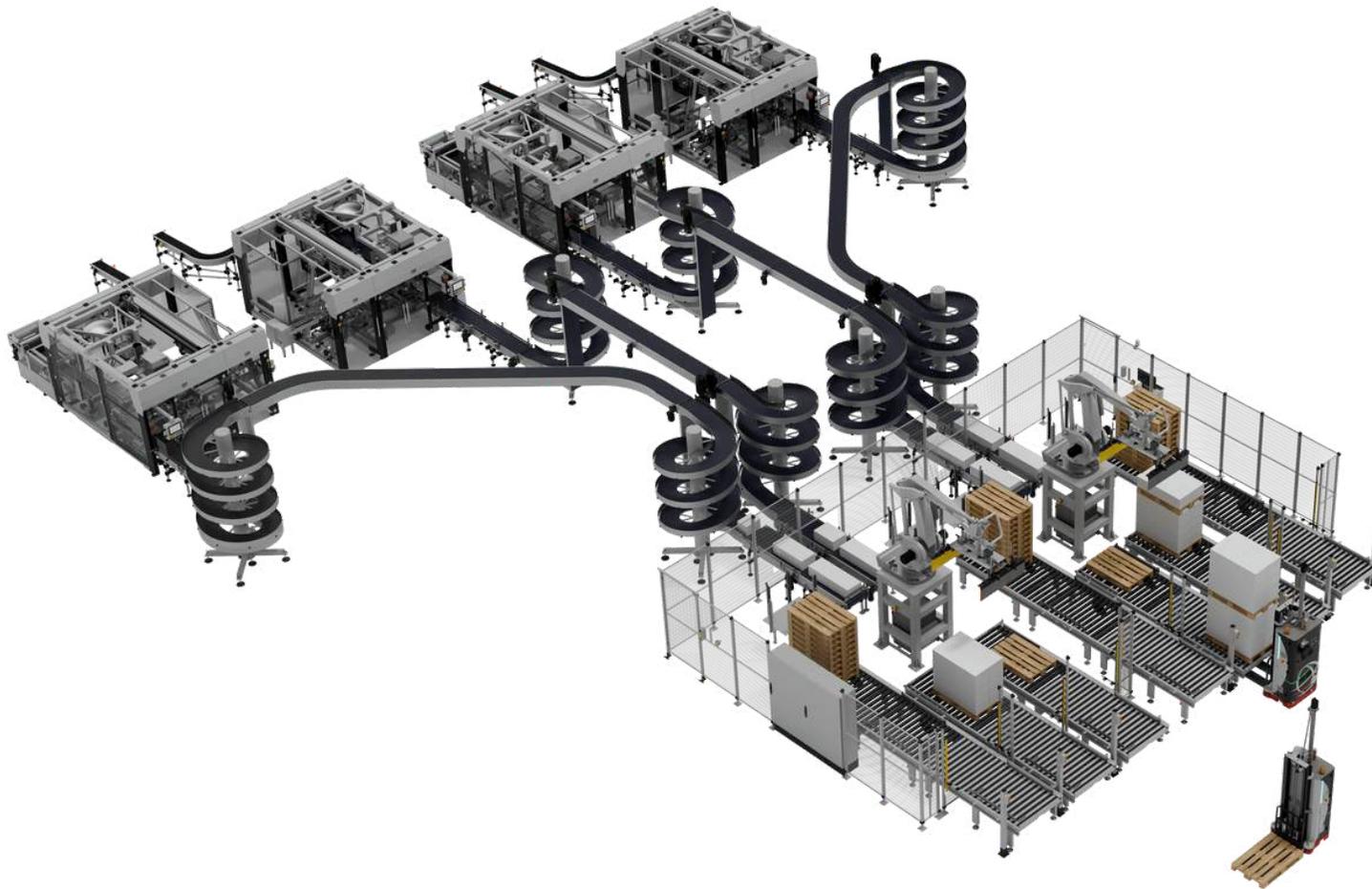
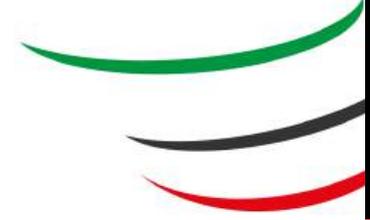


BRAIN
EVERYTHING IS CONNECTED



THE PARTNER FOR YOUR END-OF-LINE

ABOUT US



■ YEAR OF FOUNDATION

2007

■ WHERE WE ARE

Headquarters: Sansepolcro (AR) – ITALY

Branch Office: Boonton Township NJ - USA

■ WHAT WE DO

Cartoners

Case packers

Palletizers

Laser Guided Vehicles (LGV)

Customized software

Integrated solutions



■ OUR DEPARTMENTS

Mechanical design and software development

R&D

Mechanical workshop

Assembly line and testing

After sales service





VISION

BEING THE IDEAL PARTNER FOR THE DESIGN AND THE PRODUCTION OF COMPLETE END-OF-LINE SYSTEMS



MISSION

PROVIDE INNOVATIVE AND HIGHLY FLEXIBLE COMPLETE END-OF-LINE SYSTEMS, FROM CARTONING TO LOGISTICS



CORE VALUES

CUSTOMIZATION: we can provide highly customized systems in order to satisfy our customers' requests.

INNOVATION: the constant R&D is a crucial activity to keep being competitive in an ever-changing market.

“MADE IN MAD”: the whole design and production process is done internally: everything is “made in MAD”.

SERVICE: Mad Automation's after sales service grants quick feedback, providing remote and on-site assistance in Italy and abroad.

OUR PRODUCTS' RANGE

CARTONERS

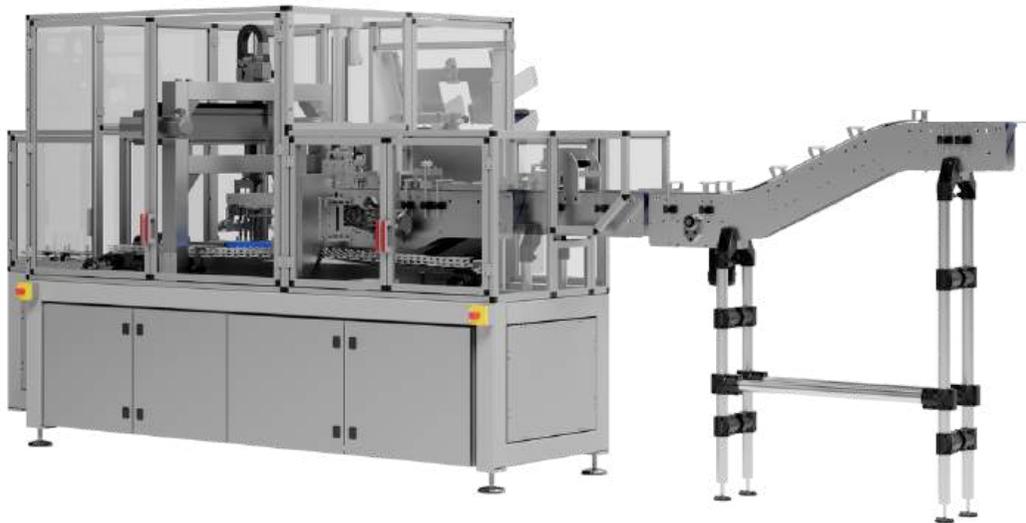
CASE PACKERS

PALLETIZERS

INTEGRATED SYSTEMS (ALL-IN-ONE)

LGV

SOFTWARE BRAIN



Mad Automation's Cartoners' range is a versatile and innovative line of machines able to handle **every kind of coffee capsule.**

The cartoning process starts from the formation of a carton **from a flat blank**, the system can easily handle **up to 600 capsules per minute.**

The capsules can be placed inside the cartons in two ways:

- **nested:** according to the configurations required by the customer. The machine can place layer pads to separate the layers;

[YouTube](#) **CARTONER WITH NESTED FILLING SYSTEM**

- **bulk:** suitable for pods or similar products in flowpack (bulk system). The bulk loading system consists of a hopper and a counting system.

[YouTube](#) **CARTONER WITH BULK FILLING SYSTEM**

OUR PRODUCTS' RANGE

CARTONERS

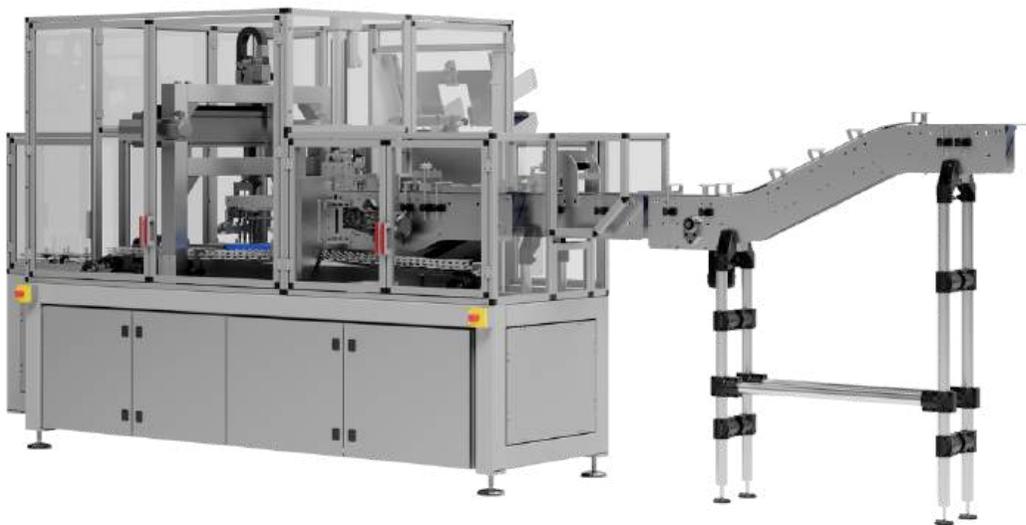
CASE PACKERS

PALLETIZERS

INTEGRATED SYSTEMS (ALL-IN-ONE)

LGV

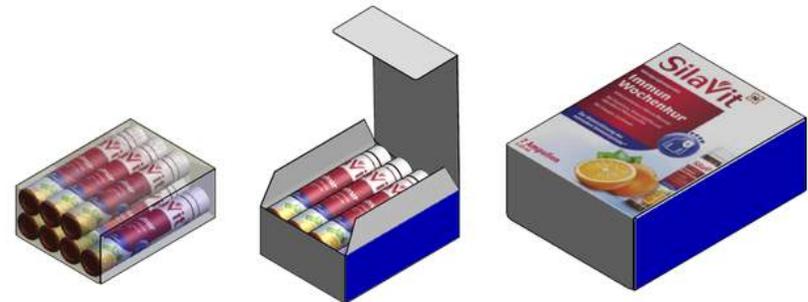
SOFTWARE BRAIN



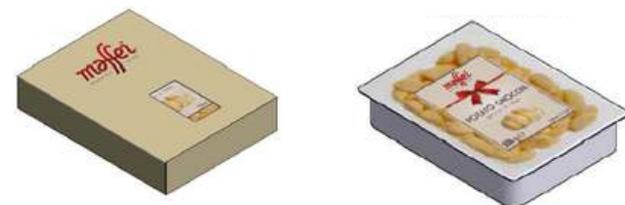
Mad Automation manufactures **cartoners for other industries too**, beyond the coffee one.

The forming process starts from a **flat blank or a pre-glued carton**, it goes ahead with the filling step and it ends with the glue sealing system of the carton.

Any exemple? Please see below:



NON-FOOD / PARAPHARMACEUTICAL:
cartoning of ampoules



FOOD / FRESH PASTA:
cartoning of gnocchi's trays

OUR PRODUCTS' RANGE

CARTONERS

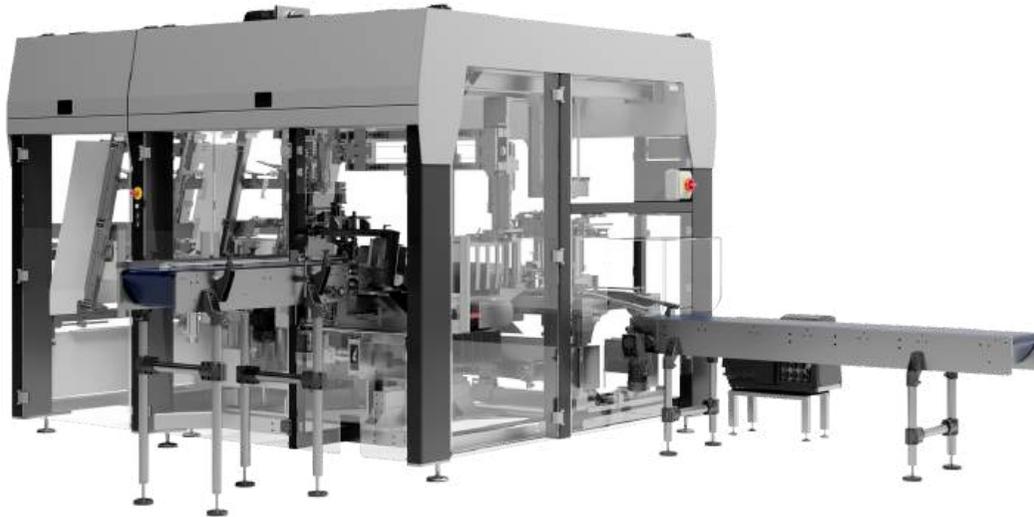
CASE PACKERS

PALLETIZERS

INTEGRATED SYSTEMS (ALL-IN-ONE)

LGV

SOFTWARE BRAIN



Mad Automation's case packers are sturdy and reliable machines designed to handle **numerous types of packages**.

They can feature **standard or stainless steel components** so to be suitable for all environmental conditions.

The machines are designed and built with sturdy materials and top quality standard electric and pneumatic components to work **24 hours a day, 7 days a week**.

The **completely automated and easy-to-operate size changeover system** grants an accurate and quick adjustment of the inner parts of the machine from the current product to the next

Every single machine is designed, according to the clients' specific needs, so **to make the most of the available space**. The integration of power switchboards into the top section of the machine optimizes the space, while facilitating the machinery positioning and accessibility from all sides.

OUR PRODUCTS' RANGE

CARTONERS

CASE PACKERS

PALLETIZERS

INTEGRATED SYSTEMS (ALL-IN-ONE)

LGV

SOFTWARE BRAIN

WHICH KIND OF MAD'S CASE PACKER FIT FOR YOU?
SHARE WITH US YOUR TECHNICAL DATA AND WE'LL
SUGGEST YOU THE BETTER ONE AMONG:

■ SUPERFAST



PATENTED

Mad Automation's Superfast is a **patented case packer**. By means of a robotic arm (Flex Picker) it can create multiple patterns inside the case, the products can be arranged horizontally, vertically, sideways or overlapped.

■ tWRAP



The cases are loaded by means of a **picking head designed according to the products' size and specifications**. The machine handles flat blanks and products of multiple sizes and dimensions.

■ EASYWRAP



EASYWRAP with Flex Picker



EASYWRAP with Mechanical Picking Head

The Easy Wrap combines high technology and convenience: with an **extremely reduced footprint** it ensures top notch performance and total reliability. It is **available both with a flex picker or with a mechanical picking head**.

■ FLIPCASE



PATENT PENDING

The flipcase is a way to make a **tray + lid case from just one flat blank** with no visible perforation on the sides: it is a 2 in 1 case. **HERE** is the video rendering explaining the forming, filling, closing, shipping and display on the shelf steps.

OUR PRODUCTS' RANGE

CARTONERS

CASE PACKERS

PALLETIZERS

INTEGRATED SYSTEMS (ALL-IN-ONE)

LGV

SOFTWARE BRAIN

Mad Automation offers **3 palletizing solutions** according to the customers' specific needs: the picking heads are always designed according to the products' characteristics.

1) PALLETIZING STATION WITH ROBOT



The robotic palletizer features a gripper head with carbon fiber "fingers" featuring a rubber inner liner to grant **a perfect grip on all sorts of products**. The head's flaps are as long as the pallet's longer side so to load one complete row of products a time. The head can be opened wider than the length of the pallet's longer side to **compact the layers** once they are completed.



2) GANTRY PALLETIZER



The gantry palletizer is a simple and compact system. It can be provided as a stand-alone machine or as an integration to Mad's case packer, in a single frame with a very small footprint (**ALL-IN-ONE solution**, see the following slide).



3) COBOT



They are lighter and with a smaller footprint than the traditional robots, **easy to move and re-design**, even by unskilled operators, via intuitive interfaces.



OUR PRODUCTS' RANGE

CARTONERS
CASE PACKERS
PALLETIZERS

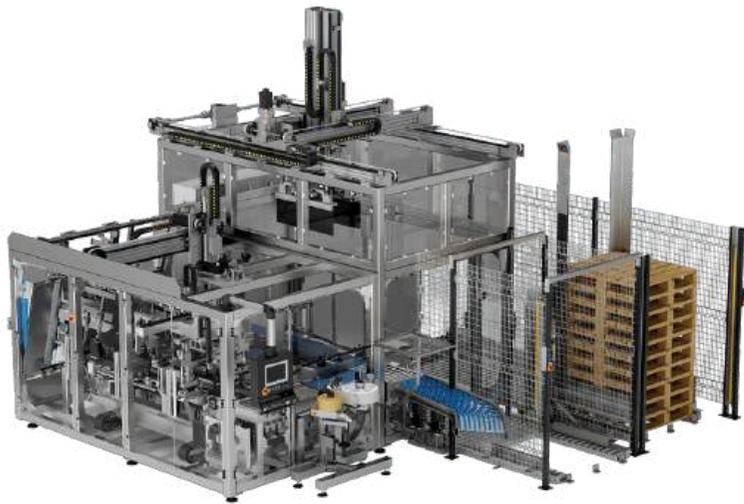
INTEGRATED SYSTEMS (ALL-IN-ONE)

LGV
SOFTWARE BRAIN

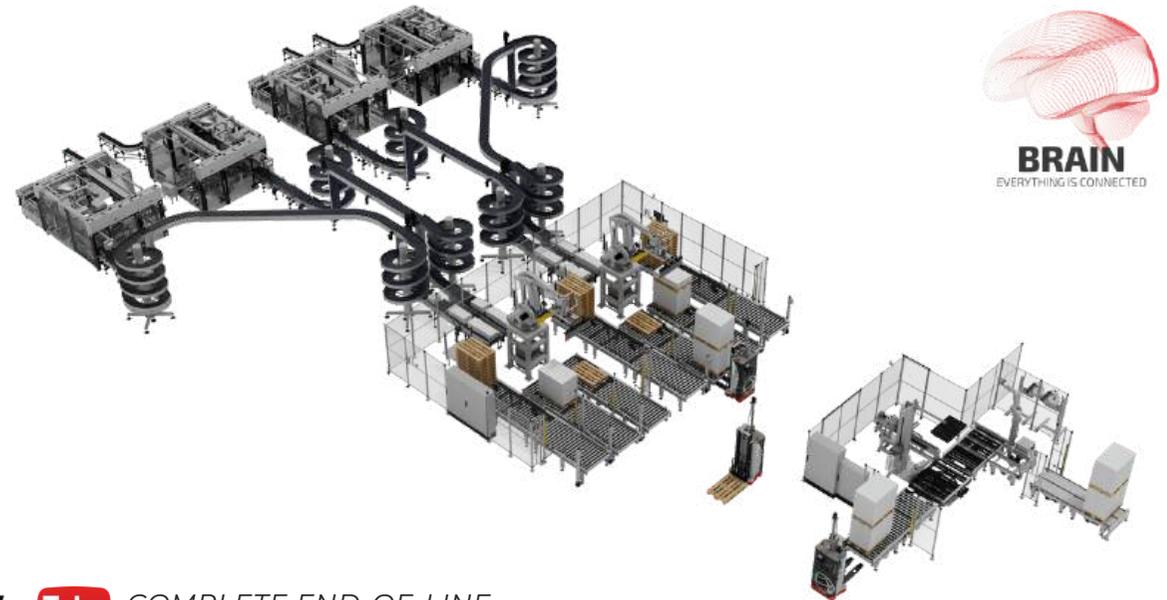
Mad Automation supplies both single machine and integrated systems / **complete end-of-line solutions** including handling systems, devices, labellers, check weighers, check shape, stretch wrapping system, etc.

Among all of our integrated solutions, our **ALL-IN-ONE** deserves a special mention, because it incorporates a case packer and a gantry palletizer are in the same frame.

This integrated machine, with a **very small footprint**, can be developed in various layouts: for example **in line**, where the case packer and the gantry palletizer come one after the other or **side by side**, where the case packer and palletizer are next to each other.



 ALL-IN-ONE VIDEO



 COMPLETE END-OF-LINE
case packer, palletizer, stretch wrapper, itralogistics by LGVs

OUR PRODUCTS' RANGE

CARTONERS

CASE PACKERS

PALLETIZERS

INTEGRATED SYSTEMS (ALL-IN-ONE)

LGV

SOFTWARE BRAIN

Mad Automation has developed a **new generation of Laser Guided Vehicles** to move loads which can operate in any industrial sectors.

The **total absence of ground infrastructure** ensures **maximum flexibility and freedom of movement**, it also allows to **modify or add routes at any time**, just with the help of Mad's PC software (CAD for routes creation).

The system allows to **optimize loading and unloading operations** to and from the warehouse and facilitates point-to-point transportation, even in chainmode operations. 2 different battery charging systems are available:

- **Fully automatic battery charging and swap system**



- **Opportunity battery charging system**



OUR PRODUCTS' RANGE

CARTONERS

CASE PACKERS

PALLETIZERS

INTEGRATED SYSTEMS (ALL-IN-ONE)

LGV

SOFTWARE BRAIN

OUR LGV RANGE



■ MAD 3000S



■ MAD 4000



■ MAD 5000



■ MAD 7500



■ MAD 4000R



■ MAD 3000



■ MAD ROLLER

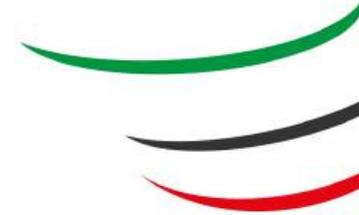
OUR PRODUCTS' RANGE

CARTONERS
CASE PACKERS
PALLETIZERS

INTEGRATED SYSTEMS (ALL-IN-ONE)

LGV

SOFTWARE BRAIN



LGVs: TECHNICAL DATA

MAD-3000S



Lifting type:
Oil - Hydraulic.

Maximum height:
3000 mm.

N° of pallets transported:
1 single, 2 overlapped .

Pallet type:
any kind.

Maximum capacity:
1200 kg.

Positioning precision:
up to 5 mm.

MAD-3000



Lifting type:
Oil - Hydraulic.

Maximum height:
3600 mm.

N° of pallets transported:
1 single,
2 overlapped or side by side,
4 overlapped or side by side.

Pallet type:
any kind.

Maximum capacity:
1700 kg.

Positioning precision:
up to 5 mm.

MAD-4000



Lifting type:
Oil - Hydraulic.

Maximum height:
3000 mm.

N° of pallets transported:
1 single,
2 overlapped or side by side,
4 overlapped or side by side.

Pallet type:
any kind.

Maximum capacity:
5000 kg.

Positioning precision:
up to 5 mm.

MAD-4000R



Lifting type:
Oil - Hydraulic.

Maximum height:
1200 mm.

N° of pallets transported:
1 single,
2 overlapped

Pallet type:
any kind.

Maximum capacity:
1700 kg.

Positioning precision:
up to 5 mm.

MAD-5000



Lifting type:
Oil - Hydraulic.

Maximum height:
5000 mm.

N° of pallets transported:
1.

Pallet type:
UDC speciale.

Tipo forche:
piano di carico per UDC.

Maximum capacity:
4000 kg.

Positioning precision:
up to 5 mm.

MAD-7500



Lifting type:
Oil - Hydraulic.

Maximum height:
7500 mm.

N° of pallets transported:
1.

Pallet type:
any kind.

Tipo forche:
telescopiche per asservimento
scaffalatura SX/DX.

Maximum capacity:
1200 kg.

Positioning precision:
up to 5 mm.

MAD-ROLLER



N° of pallets transported:
1 single,
2 overlapped or side by side,
4 overlapped or side by side.

Pallet type:
any kind.

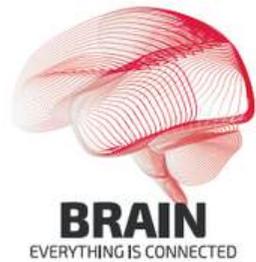
Maximum capacity:
1700 kg.

Positioning precision:
up to 5 mm.

OUR PRODUCTS' RANGE

CARTONERS
CASE PACKERS
PALLETIZERS
INTEGRATED SYSTEMS (ALL-IN-ONE)
LGV

SOFTWARE BRAIN



BRAIN
EVERYTHING IS CONNECTED



LASER GUIDED VEHICLES

The **Brain machine supervision software**, is a scalable software package. By means of a centralized production process and logistics control it optimizes the Companies' efficiency.

Entirely developed inhouse, its main feature is the **possibility to be adapted** to the customers' machines and to be tailored to the customers' production goals. By using Brain the customer will:

- **have full control of the whole production process** and avoid the lack of flexibility normally caused by software supplied by general software houses;
- make sure that machines, devices, databases and software all communicate in the same language thanks to a **common "Brain"**.

 COMPLETE END-OF-LINE SYSTEM CONTROLLED BY "MAD BRAIN" SOFTWARE

SHOWS AND EVENTS



■ **OPEN HOUSE - October 24th 2024** - The 2024 OPEN HOUSE, an “open day” for customers and leads, is certainly a day we will remember with great pleasure. **Our guests had the opportunity to see all of the systems we manufacture in operation**, 2 complete end-of-line systems included. The guided tour included a visit to our departments to prove that **all the production phases of our systems are MADE IN MAD.**



■ **IPACK-IMA MILANO - MAY 2025** - Mad Automation was at the last Ipack-Ima edition with 2 booths: the first one with a complete end-of-line system and the second one was a **“Smart Factory - coffee line”**, where Ipack-Ima has selected Mad Automation as a partner manufacturer for the downstream equipment. In this area, we showcased another complete end-of-line system



SHOWS AND EVENTS



■ SCA Expo - Houston, TX USA. April 2025



■ Pack Expo Chicago, IL USA. October 2024



■ Hispack, Barcelona - May 2024



■ Pack Expo East Philadelphia, PA USA. March 2024



■ Snackex - Stockholm - June 2024



■ Interpack - Dusseldorf - May 2023

2025 SHOWS



📍 BOOTH 10-F4

📍 BOOTH 2831

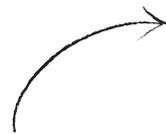
📍 HALL 7 - BOOTH C28 D27

📍 HALL 18 - BOOTH D56

📍 BOOTH 6-J52

NEW IPACK-IMA SMART FACTORY
HALL 7 - BOOTH C106 D105

2026 CONFIRMED SHOWS



October 18-21, 2026
McCormick Place
Chicago, Illinois USA



June
Junio **2-5**
EXPO SANTA FE
CDMX - MÉXICO



THANKS FOR **YOUR ATTENTION!**



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STAY TUNED:

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