



CMC INDUSTRIES
POULTRY TECH



Apollo Compact Pro

Smart. Compact. High-performance.





TECHNOLOGY AND MARKET LEADER

1 Innovation

2 Animal Welfare & Biosecurity

3 Productivity & Quality



MADE IN ITALY since 1972

+50 Countries and 5 continents

95% Market share
5% Turnover in R&D
57 Registered patents

CMC Industries, with over 50 years of business experience, is the holding company of two divisions: **CMC Poultry Tech**, operating in the poultry sector, and **CMC Intralogistics**, operating in the material handling logistics sector.

CMC Poultry Tech is internationally recognized as **the technology and market leader** of the poultry industry in design and production of automated handling and loading systems of live animals.

CMC Poultry Tech offers its customers a **wide range of technologically cutting-edge products** built to meet the needs of its Customers and designed to guarantee high standards of **efficiency, animal well-being** and **bio-security**.

CMC, with its portfolio solutions, guarantees better productivity, quality and cost reduction; also providing dedicated **after-sales** customer service and premium consultancy.

CMC Poultry Tech **distribution network** operates worldwide, and its products are exported around the globe. In 2018, the company inaugurated **CMC Industries North America Corp.**, thereby extending its direct presence also in the United States. This step shows the constant commitment to providing high-quality service as close as possible to its Customers.

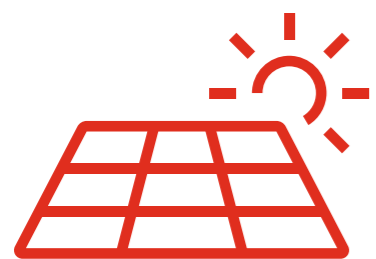
The product range of CMC Poultry Tech is designed in compliance with the **European Hygienic Engineering and Design Group (EHEDG)** guidelines, guaranteeing the highest standards in terms of bio-security.





100%

Fully Energy Independent



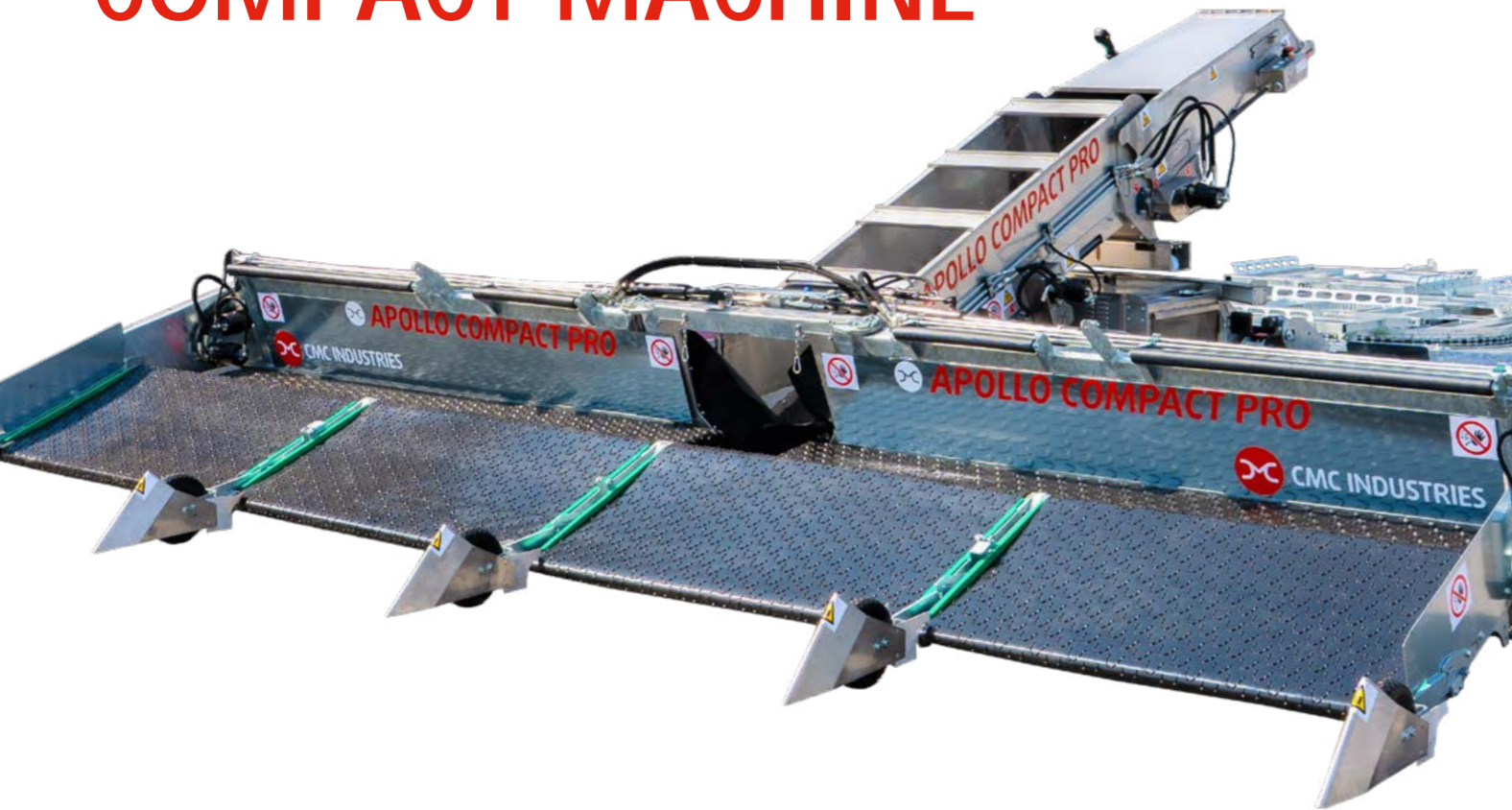
990 KWP
NOMINAL POWER OF THE
PHOTOVOLTAIC SYSTEM



268 t of CO₂
SAVED ANNUALLY

Apollo Compact Pro

BIG PERFORMANCE IN A SMART, COMPACT MACHINE



Smart. Compact. High-Performance.

The Apollo Compact Pro was designed based on over 40 years of experience with the main objective of achieving a compact machine without any compromise in performance in terms of quality and loading speed.

The Soft Start system controls the restart of all belts, which accelerate gradually (i.e. not abruptly), making it so that the animals are not unbalanced during the transfer into the machine. The inclination of the belts, as well as the jumps between consecutive belts, has been minimized, allowing optimal transfer of the animals through the machine. These solutions, together with a series of technical devices derived from CMC's experience over the years, make it possible to minimize the stress level and consequently to keep the animals much calmer during the entire loading process.

Quick and automatic set-up.

Hydraulic wing opening and closing for faster and easier set-up and maneuvering operations.

Cleanability and biosafety.

CMC Industries continues to work hard to improve cleanability and increase biosafety, following the guidelines of the EHEDG (European Hygienic Engineering and Design Group).

Following this programme, the entire design of the Apollo Compact Pro has been optimised and simplified to ensure better access to the machine's components and better cleanability, resulting in increased biosafety.

Constant quantity and quality.

The Apollo Compact Pro can load 8,000 to 12,000 animals per hour, equivalent to 16-26 tonnes per hour, depending on the weight of the animals, the type of container, the speed of the forklifts, and the type of poultry shed.

Apollo's weighing system ensures that the correct weight of chickens is always placed inside the containers. Continuity in performance in terms of weight, quality and speed of loading significantly improves slaughterhouse logistics and the stability of results in loading processes.

1 Harvesting

The machine is stationed inside the poultry shed and prepared by opening the two wings of the front collection head by means of hydraulic action.

The operator launches the loading operation with a control that starts the belts and the slow advancement of the tracks, allowing the animals to climb naturally onto the front collecting belts. These belts deposit the animals, without subjecting them to any sudden or stressful movements, onto two transverse belts that lead to the central channel.



2 Caging

The animals then continue into the central channel of ACP (Apollo Compact Pro), where they are carefully transported towards the upper part of the machine.

Here the operator activates and moves the caging belt with simple and effortless controls, depositing the chickens directly into the cage. Thanks to the automatic weighing system, the loading process stops automatically when it reaches the preset value, guaranteeing compliance with every regulation in force regarding animal density in the cages.



3 Carousel

The cages are moved by forklifts and placed directly on the rear carousel of the machine. This prevents the cages from coming into direct contact with the litter, with obvious advantages in terms of cleanliness and biosafety. The multi-station carousel also guarantees the continuity of the loading process: while a cage is filled in the loading position, the forklift picks up the previously loaded full cage, freeing the other station where the empty cage is then placed.

In this way the machine can continue to collect and load the animals while minimising process interruptions. Different models of Carousel are available for Apollo Compact Pro, depending on the type of cage used.





Apollo Compact Pro STRENGTHS



Load quality

Reduced belt speed. Soft belt restart. Gentle placement of animals directly inside the containers. This makes for better load quality without compromising on speed.



Logistic and transport

Small size for easy transport with a 7m flatbed truck.



Better working conditions

Easy to maneuvering, hydraulically operated wing opening. Significantly less physical effort required.



Full attention to animal welfare

The animals are loaded naturally and without stress, they are gently deposited in the containers without direct contact with the operators.



Biosafety compliance

The design was optimised following the guidelines of the EHEDG (European Hygienic Engineering and Design Group). All components in contact with animals are made of stainless steel or hot-dip galvanising.



Easy to clean

Specifically designed to facilitate and streamline daily cleaning without compromising on biosafety.



Flexibility

Load any type of container, including Marel, Linco, Anglia, Meyn, or customised containers.



Simple maintenance

Clear and simple user manual with a detailed maintenance schedule and spare parts catalogue, including exploded views of the various parts of the machine with relevant tables and part numbers. Easy access to key machine parts.



Easy to use Reduces labour costs

Needs 2-4 operators. Easy to manoeuvre. Stable thanks to the tracked undercarriage. It automatically loads the animals until the weight set by the operator is reached.



Durability and reliability

Designed on the basis of more than 10 million hours of field experience gained worldwide.



Manoeuvrability

Compact dimensions and manoeuvrability make the ACP the best solution for dealing with any situation.



Apollo Compact Pro is the latest generation of CMC's chicken loader range.



YOUR QUESTIONS, ANSWERED.



Apollo Compact Pro a high-quality product?

Most definitely. Apollo Compact Pro meets all the most stringent quality standards imposed by food industry regulations worldwide.



Which types of cages can I use?

Any type. Apollo Compact Pro interfaces with the most popular cages on the market - e.g. Stork/Marel GP & Atlas, Meyn Linco, Anglia - and fits into site-built cages. It can also use different cages during the same loading session.



What happens if my poultry shed has pillars inside?

Thanks to ACP's front-loading system, it can easily travel down various longitudinal passageways. In addition, the machine has been specially designed for easy entry and exit and a high standard of manoeuvrability in movement.



If it is very cold? And if it is very hot?

ACP (Apollo Compact Pro) can safely work from -40° C a + 50° C.



And in terms of cleaning?

ACP (Apollo Compact Pro) has a fully galvanised body and its main components are made from stainless steel, making the machine easy to wash and disinfect. All of this leads to a significant increase in biosafety.



TECHNICAL DATA SHEET

PERFORMANCE

Machine set-up time	5 minutes
Number of operators	2-4
Loading capacity	16-26 ton/h
Machine with 6 mt harvesting head + 3-position carousel for wide containers	4780 Kg

ENGINE

Model	Kubota V1505 mechanical TIER 4
Maximum power	18.5 kW @ 2300 rpm
RPM (machine running)	1800-2000 rpm
Operation	Diesel 4 stroke
Cooling	Liquid
Number of cylinders	4
Cylinder capacity	1.498 cc
Consumption	5-6 l/h

TRANSMISSION

Track drive system	Hydrostatic
Tracks	Special reinforced

TANKS

Fuel (Diesel)	50 lt
Hydraulic oil	59 lt

STANDARD DEVICES

Collection Head available widths	4 m / 5 m / 6 m
Integrated Carousel with hydraulic lifting system	
Soft Start System: gradual belts start that allows the animals to stay balanced	
Hydraulic opening and closing of the collection head and harvesting belts	

OPTIONAL

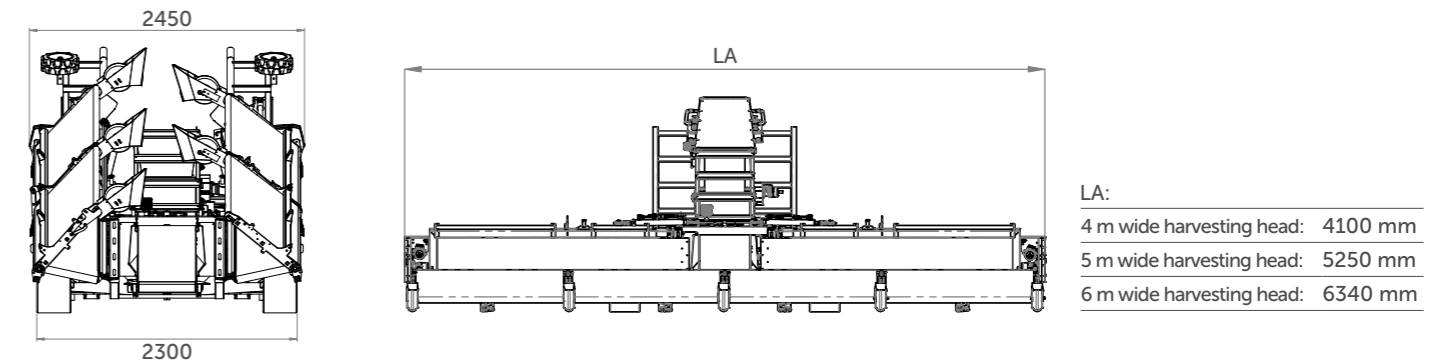
CMC SmartLink (remote machine connection via CMC portal)	
Low-Temperature Hydraulic Oil	

ADDITIONAL INFORMATION

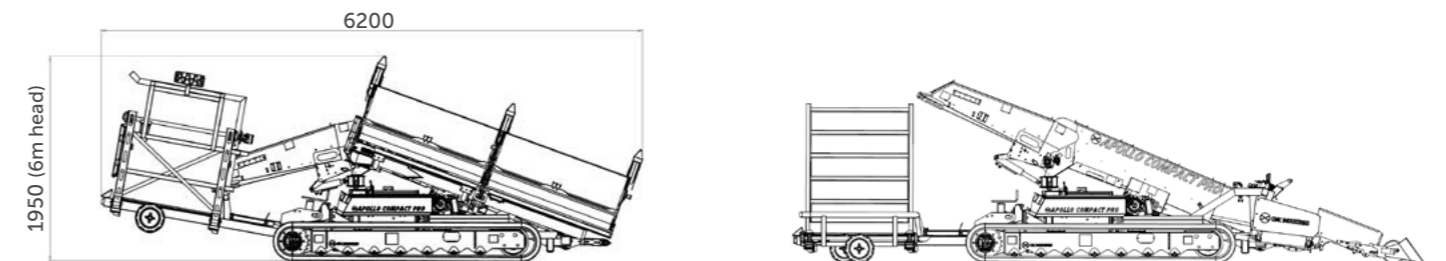
Frame	Hot-dip galvanised steel and stainless steel
Cleaning	High pressure air and water
Electrical components	Automotive - IP 69K

All information provided in this catalog is for reference only and may be subject to change without prior notice.

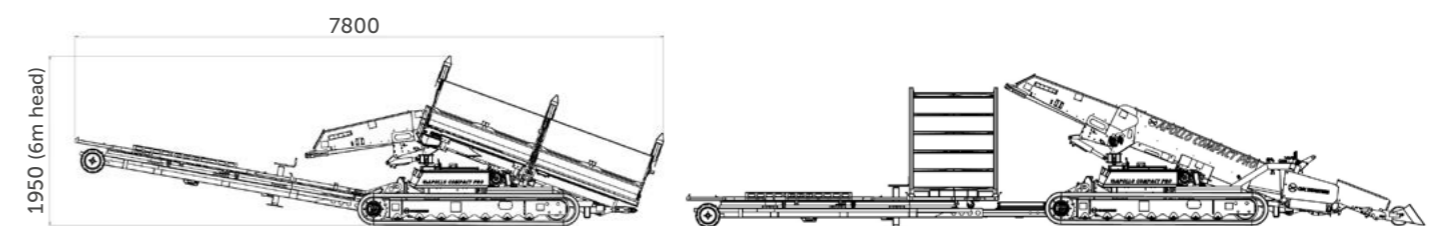
APOLLO COMPACT PRO DIMENSIONS



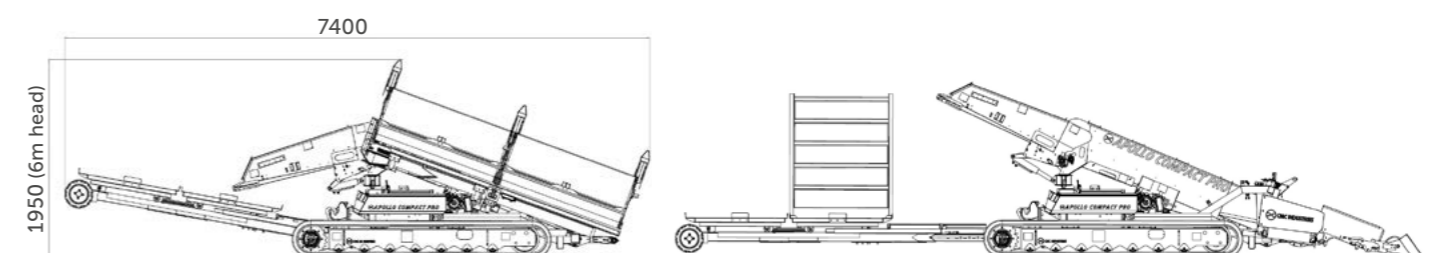
Apollo Compact Pro with integrated 3-POSITION CAROUSEL FOR NARROW CONTAINERS (any model)



Apollo Compact Pro with integrated 3-POSITION CAROUSEL FOR WIDE CONTAINERS (any model)



Apollo Compact Pro with integrated 2-POSITION CAROUSEL FOR WIDE CONTAINERS (any model)



Your satisfaction, our priority

THE CUSTOMER IS AT THE HEART OF EVERYTHING

A full range of SERVICES

To accompany every single customer in their business fulfilling **all needs**.

CMC Poultry Tech has set the goal of supplying products capable of optimizing the **efficiency** and **quality** of processes, maximizing **productivity** and **yield** throughout the entire production cycle.

Guaranteeing these **high process standards** involves the development of a strongly customer-oriented business model, which can provide on a wide range of services aimed at offering **customized solutions** based on customer needs: **Formation & Training, Service Contract, Remote and on-site Assistance, Supply of Spare Parts and Revamping.**

In order to support every single Customer in their activity, CMC Poultry Tech offers access to a dedicated **service team**, made up of technicians able to coordinate and manage the entire range of services offered, supporting the Customer during the entire processing cycle.

FORMATION AND TRAINING

As a result of the extensive knowledge of customer needs gained in different markets worldwide, CMC technicians are available to train the operating and maintenance staff of your company, offering training courses both at the CMC Industries training center and at customer's site.

SERVICE CONTRACT

This Service, which is usually carried out directly at the Customer's site, is designed to improve performance and reliability of the machine, extend their life span and reduce losses due to incorrect settings or malfunctions. This Service minimizes management costs through correct and periodic maintenance, improving the skills of the Customer's maintenance and operating staff.

ASSISTANCE

Customers can always rely on our prompt and trained assistance, both in Italy and overseas via a network available worldwide. Adapting itself to the specific needs of every market, CMC can offer diversified technical support and customer care solutions. Based on the Customer's needs, these activities are managed directly by the CMC Team, which offers a widespread network of dealers and authorised service centres.

SPARE PARTS

To minimise customer machine downtimes, CMC Poultry Tech is equipped with warehouses supplied with every spare part necessary. In addition to the main Italian site and the American branch, the spare parts can be supplied by a network of dealers and service centres and shipped on the next working day after placing the order.

REVAMPING

CMC Poultry Tech machinery is developed to guarantee long-lasting performance. However, as a result of advanced technology, the machinery is continuously improved/updated. CMC Poultry Tech thereby offers the possibility of modernising machines in order to improve performance and efficiency.



CMC INDUSTRIES
POULTRY TECH

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