



RAMBA®

HIGH-TECH ENGINEERING

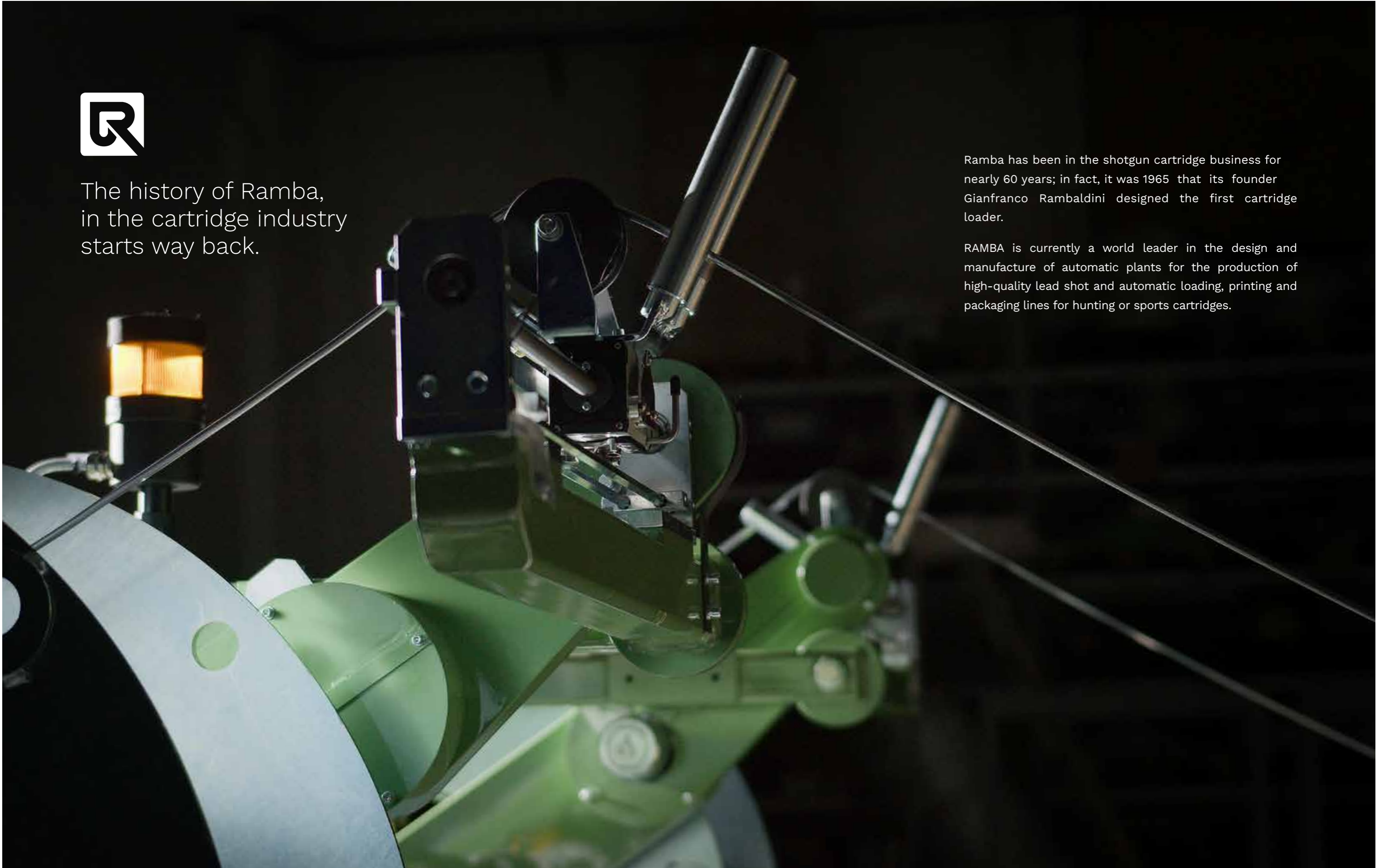




The history of Ramba,
in the cartridge industry
starts way back.

Ramba has been in the shotgun cartridge business for nearly 60 years; in fact, it was 1965 that its founder Gianfranco Rambaldini designed the first cartridge loader.

RAMBA is currently a world leader in the design and manufacture of automatic plants for the production of high-quality lead shot and automatic loading, printing and packaging lines for hunting or sports cartridges.



An evolving history, generation after generation.



1st GENERATION

Gianfranco Rambaldini designs and sells the first loading machine. Few years later founds the company Ramba for the design and development of loaders.



2nd GENERATION

The 2nd generation lands at Ramba with daughter Cristina, supporting of the sales department and Giovanni, supporting the technical department.



3rd GENERATION

Going forward with the 3rd generation. Vittorio, after a degree in Economics, joins the company in the production department and Francesco, industrial engineer, in the technical department.



Ramba designs and manufactures in Italy using the best quality material available on the market.

Our values

MISSION

To develop projects in total harmony and transparency with our clients, providing them with the best possible service, establishing a solid and long-lasting partnership.

VISION

To continue to be a world-leading company in the loading and lead industry, taking advantage of continuous technological advances to ensure the best possible product.

CORE VALUES

We work to innovate while holding firm to the values of our tradition. Commitment and passion for our work allow us to cultivate relationships of trust and friendship with our customers.

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FULLY AUTOMATIC SYSTEMS FOR THE PRODUCTION OF HIGHEST QUALITY LEAD SHOT.

Shots can be produced by the pressing system that involves:

- Lead billet production
- Lead wire production
- Lead shot production

Or by the dripping system "RAMBA LEAD STORM", ideal for the production of small size shot in big quantity.



Melting furnace

MOD. 122/04G

RAMBA 122/04G furnace has been designed to melt lead alloys. Different heating systems available on demand.

MAIN FEATURES



Cruisable heated by gas burner
Useful capacity: 3000 Kg molten alloy
Width: Ø 136.5 cm
Height: 250 cm
Installed power: lead pump motor 0.75 kW

BURNER FEATURES

Burner type GAS 30/2F
Heat capacity: 85,5÷256,5 (Mcal/h)
Potentiality: 99÷298 Kw
Natural gas consumption: 10÷30 Nm³/h
Natural gas min. pressure: 25 mbar
LPG min. pressure: 30 mbar
Electric power input: 0.34 Kw

Holding furnace

MOD. 122/03G

MAIN FEATURES

Holding furnace for molten alloy. It receives the alloy melted by the furnace 122/04G and keeps it at the right temperature for the ingot-making machine RAMBA 122/01, or similar model.

Useful capacity: 1000 Kg molten alloy
Width: Ø 106 cm
Height: 275 cm
Changing floor height: 117 cm
Installed power: lead pump motor 0.75 kW

Automatic ingot casting machine

MOD. 122/01

RAMBA 122/01 has been designed for the automatic casting of cylindrical lead ingots (78 mm dia. – 200 mm long) to be used for the production of lead wire by means of the extruding press RAMBA 114.

MAIN FEATURES

Length: 360 cm
Width: 150 cm
Height: 225 cm
Weight: 1800 Kg
Output: 2000 Kg lead p.h.
Installed power: 11,5 kW
Air consumption: 140 Ne p.h.



Ingot cutting machine

MOD. 128

RAMBA 128 is generally operated with a RAMBA 122/01 ingot casting machine and is designed to square lead ingots and eliminate eventual depressions caused by cooling shrinking in order to obtain a constant length.



Ingots are fed into the RAMBA 128 by means of a chute and their ends are planed by two blades.

MAIN FEATURES

Length: 145 cm
Width: 120 cm
Height: 145 cm
Weight: 700 Kg
Output: 1500 Kg p.h.
Installed power: 4 Kw

Lead wire extruder



MOD. 114

RAMBA 114 has been designed for cold and continuous extrusion of lead wire.

Resistors heat the container to facilitate extrusion when starting the machine.

Cylindrical ingots, produced by the casting machine RAMBA 122/01, feed

the RAMBA 114; ingots usually have a dia. of 78 mm and are 185 to 200 mm long.

As the extrusion process is continuous, the wire produced by the machine is without interruptions.

For each wire diameter, a specific die is necessary.

MAIN FEATURES

Horizontal cylinder
Clamping force of the press 250t
Total net weight 5300 Kg
Length: 280 cm
Width 140 cm (190 if with autom. Ingot feeder)
Height: 175 cm
Installed power: 20.5 kW

Automatic winding device

MOD. A1T

The automatic wire-winding device RAMBA A1T usually works connected to our extruder RAMBA 114 or to other similar equipment.

Winding speed is automatically controlled by the extruder according to its output.



To avoid breaking and stretching of wire the device is equipped with a sensor to check the wire loop.

A smaller model for 100 Kg coil is available too.



MAIN FEATURES

Length: 140 cm
Width: 125 cm
Height: 210 cm
Weight: 500 Kg
Installed power: 2.2 kW

Automatic unwinding device

MOD. S1T

The 1 Ton wire unwinding device can be connected to the small-shot pressing machine RAMBA 115/380 or to other similar equipment.

It has been designed to unwind max 1 Ton wire of different size on specific coils. The small shot pressing machine RAMBA 115 /380 automatically controls unwinding speed.



MAIN FEATURES

Length: 140 cm
Width: 125 cm
Height: 210 cm
Weight: 400 Kg
Installed power: 0,75 Kw



PRESSING MACHINE

LAPPING MACHINE

MOD. 115/380

The small-shot pressing machine RAMBA 115/380 has been designed to press small-shot from the lead wire that may be obtained by the RAMBA 114 extruding press or by any other suitable press or model.

RAMBA 115/380 is preferably coupled with a RAMBA 118 machine.

For each pellet diameter, a specific pressing unit is needed.

115 MAIN FEATURES

Length: 170 cm
Width: 90 cm
Height: 180 cm
Weight: 1000 Kg
Installed power: 5.2 kW
Air consumption: irrelevant

POLISHING AND SELECTING AREA

Shots are carried directly from the lapping machine RAMBA 118 to the polishing device by means of an elevator and a rotary cylinder, continuously fed, provides for polishing. At the exit, they are delivered on specific glasses to be selected.

MOD. 118

RAMBA 118 è è designed to finish small shot produced by RAMBA 115/380 by removing eventual imperfections and smoothing its surface. Both the entrance and the delivery of the small shots are continuous.

A sleeve connects an exhauster for the disposal of lapping wastes.

118 MAIN FEATURES

Length: 150 cm
Width: 100 cm
Height: 115 cm
Weight: 1000 Kg
Installed power: 3 kW

MOD. LEAD STORM

The RAMBA LEAD STORM is a shot dripping line for the production of shot from 1.5 mm to 3.5 mm.

Capacity changes according to the size of shot from 150 Kg to 650 Kg per hour.

MAIN FEATURES

Length: from 2500 to 5000 mm
Width: from 9000 to 12000 mm
Height: from 4000 to 4500 mm
Weight: from 4800 to 7200 Kg





MOD. MINI NUCLEOS

Ramba Mini Nucleos is designed for the manufacture of lead cores used in full metal jacket or plated bullet production.

It is fed by lead wire, which is cut and successively introduced into a mold. Here it is pressed and successively ejected. The dies are easily changed according to customer requirements.

Mini nucleos is equipped with an automatic lubrication unit.

The motion is given by brushless motors, which guarantee high performance and excellent accuracy.

It has a capacity from 0 to 240 pieces per minute.

MAIN FEATURES



Length: 280 cm
Width: 130 cm
Height: 190 cm
Weight: 2500 Kg
Installed power: 5 kW

MOD. NUCLEOS

Ramba Nucleos is designed for making lead cores used in full metal jacket or plated bullet production.

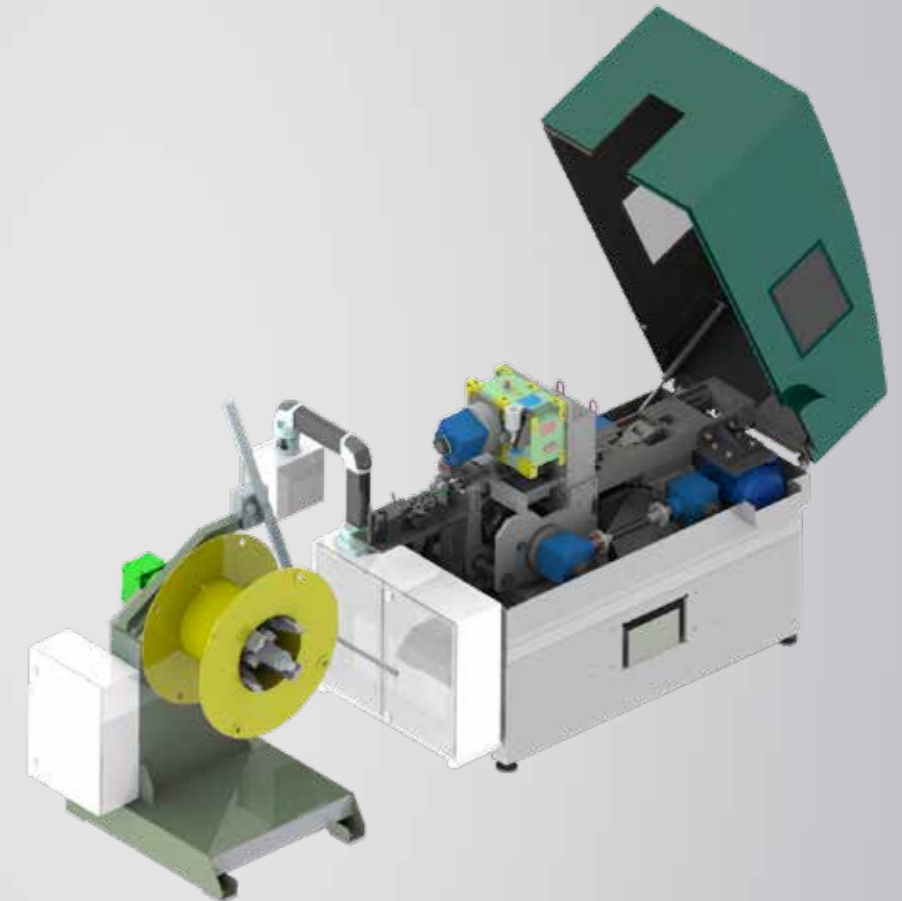
Like its Mini version, it is also fed by lead wire, the difference being that it is equipped with an innovative forming system, consisting of a triple rotary die that can guarantee almost

twice the production rate compared to the Mini.

Ramba Nucleos in fact has a capacity of 400 pieces per minute. As well, the molds are easily changed according to customer requirements, and the lubrication system is centralized.

MAIN FEATURES

Length: 236 cm
Width: 116 cm
Height: 172 cm
Weight: 2500 Kg
Installed power: 7.5 kW



DIVISION
02
AIR GUN PELLETS



AUTOMATIC MACHINE
FOR THE PRODUCTION
OF “DIABOLO” AIR GUN PELLETS
IN ONE WORKING CYCLE.



MOD. D

The “Diabolo” air gun pellets may be from 4,5 mm up to 6,35 mm, smooth or knurled. Equipped with its specific die may produce flat, round, pointed,

hollow pointed and other models. Wire is fed by a brushless motor for accurate and easy adjustment a tumbler for polishing is provided upon request.

MAIN FEATURES

Production rate: 10.000 pcs for hour
Installed power: 2.5 Kw
Net weight: 800 Kg approx
Air working pressure: 6/8 bar about
Length: 165 cm
Width: 110 cm
Height: 150 cm

MOD. D STRONG

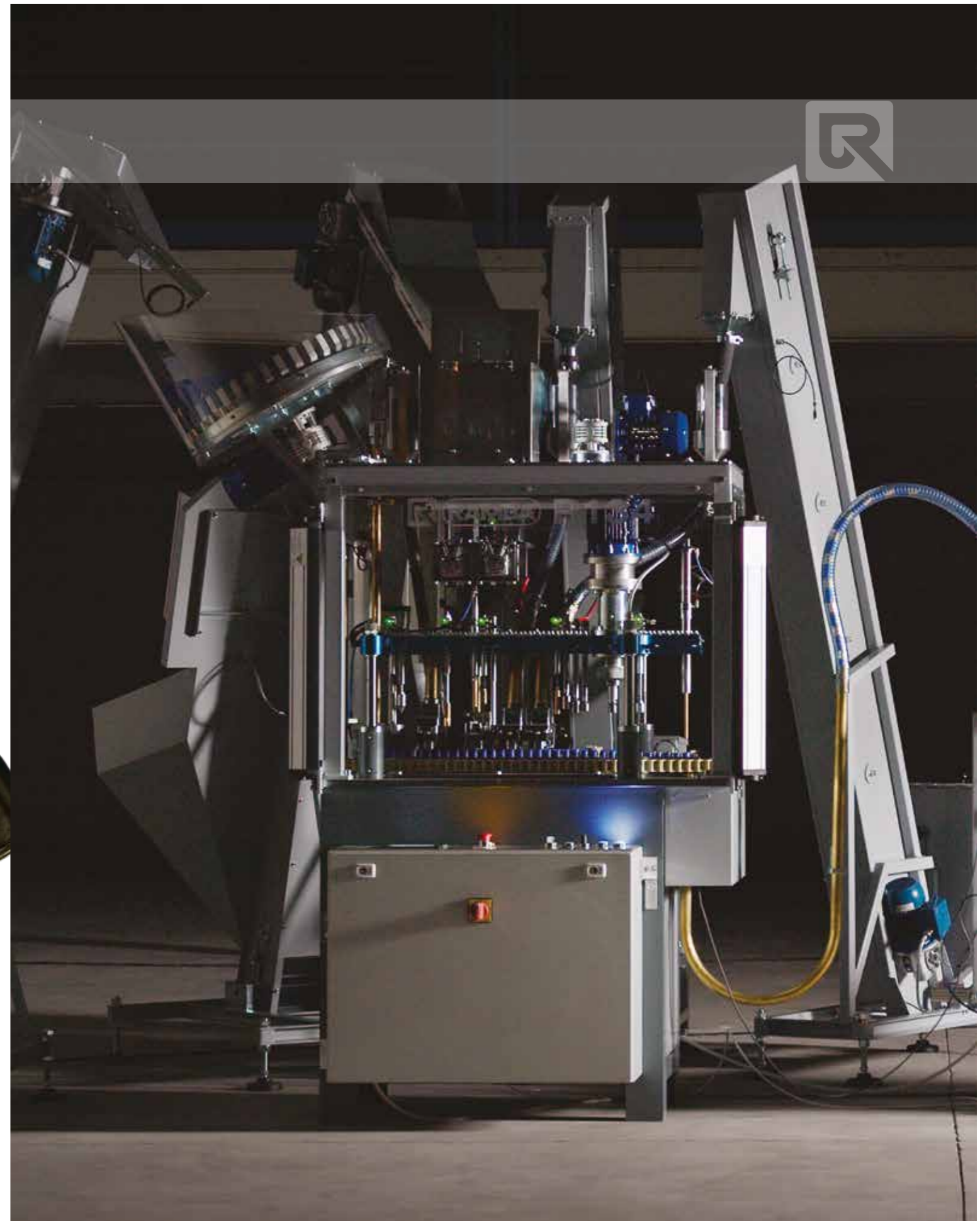
For the 9 mm caliber pellet or slug, it is possible to have the machine in its most powerful version.





FULLY AUTOMATIC SYSTEMS
FOR THE LOADING,
PRINTING AND PACKING
OF SHOTGUN CARTRIDGES.

- Cartridge loading
- Loading devices
- Cartridge packing



MOD. MINI 134 - 650

The loading, printing and packing line for shotgun cartridges RAMBA MINI has a capacity from 0 to 6000 strokes per hour.

It is composed of the loading machine RAMBA 134 and the printing-packing machine RAMBA 650.

It is sold equipped with a caliber of choice among 12, 16 and 20, 28 and, on request, up to caliber 36/410.

The loading machine RAMBA 134 has been designed to eliminate the vibrations during the loading operations.

134 MAIN FEATURES

Length: 200 cm
Width: 90 cm
Height: 220 cm
Weight: Kg 700 approx.
Installed power: 1.5 Kw

The machine is equipped with highly sensitive checking sensors to stop it in case a problem occurs and simultaneously show on a Touch Screen Monitor any kind of loading irregularity.

The machine is equipped with an electronic device to adjust the speed according to the loading requirement.

In its standard execution, it is supplied ready to load small shot until 3.5 mm dia. For bigger sizes, a specific dosing device is available. In this case, the capacity of the machine will be lower.

650 MAIN FEATURES

Length: 100 cm
Width: 50 cm
Height: 200 cm
Weight: Kg 600 approx.
Installed power: 0.5 kW



MOD. DOUBLE 150 - 151

The loading, printing and packing line for shotgun cartridges RAMBA DOUBLE has a capacity from 0 to 12000 strokes per hour.

It is composed of the loading machine RAMBA 150 and the auto-packing machine RAMBA 151; in alternative, it may be connected to the semi-automatic packing machine RAMBA 650 (coupled with the printing machine RAMBA 650/01 if needed). It is sold equipped with a caliber at choice among 12, 16, 20, 28 and 36.



The machine is equipped with highly sensitive checking sensors to stop it in case a problem occurs and simultaneously show on a Touch Screen Monitor any kind of loading irregularity.

The machine is equipped with an electronic device to adjust the speed according to the loading requirement.

In its standard execution, it is supplied ready to load small shot until 3.5 mm dia. For bigger sizes, a specific dosing device is available. In this case, the capacity of the machine will be lower.

150 MAIN FEATURES

Length: 250 cm
Width: 100 cm
Height: 230 cm
Weight: Kg 2100 approx.
Installed power: 2.2 Kw

AUTOPACK MAIN FEATURES

Length: 170 cm
Width: 120 cm
Height: 160 cm
Weight: Kg 700 approx.
Installed power: 1 kW

Priming machine

MOD. 350

RAMBA 350 has been designed to prime shotgun cartridges-cases in a fully automatic working cycle.

Machine is equipped with the following:

- Case presence control
- Primer presence control
- Control of correct primer position
- Double primer presence
- Capacity 500 case/hour



MAIN FEATURES

Length: 90 cm
Width: 90 cm
Height: 170 cm

Weight: Kg 300 ca.
Installed Power: 0.18 kW





HIGH-TECH ENGINEERING

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