



# GASPARDO

## MAGAZINE

EIMA Edition - November 2018

**CHRONO**

Fast. Accurate. Smart.



### OUR NUMBERS AT EIMA 2018

- ▶ 3000 m<sup>2</sup> booth
- ▶ 14 new developments
- ▶ More than 50 machines on display
- ▶ 100 experts at your disposal



**RENEWED  
PLOUGH RANGE**

Explore all the models



# Welcome to EIMA 2018!



Dear Visitor,

It is a pleasure to welcome you to the **MASCHIO GASPARDO** space at this edition of EIMA 2018.

As in past years, here you can see the latest developments in our range and get up close and personal with the technology and the innovations that we apply in the design and construction of each of our machines.

**Mirco MASCHIO**

Chairman

MASCHIO GASPARDO S.p.A.

Our goal is to work alongside the farmer, finding the best solutions for a modern, effective and environmentally friendly agriculture. All these characteristics are fully incorporated into CHRONO, the new seeding technology from **MASCHIO GASPARDO** that has already been included in two models in production, the cutting edge of our product line.



**Andrea MASCHIO**

Chairman

MASCHIO Holding S.p.A.



For more than 50 years the **MASCHIO GASPARDO** Group has represented a consolidated business in the world of agricultural mechanisation, a benchmark looked to by small and large companies all over the world thanks to the professionalism of our staff and the trust that our customers put in us every day.

**Luigi De Puppi**

CEO

MASCHIO GASPARDO S.p.A.





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## Our numbers

# 8

### Production Plants

The MASCHIO GASPARDO Group has 8 production plants in Italy and three abroad: Romania, China and India.

# 13

### Sales Branches

MASCHIO GASPARDO has 13 commercial branches all over the world. The company's main objective is to be present everywhere, to deal with continuous challenges and to develop new markets.

# 70,000

machines produced in 2017



The MASCHIO GASPARDO Group is a leading company in the production of subsoilers, rotary tillers, harrows, precision planters, seed drills, combis, ploughs, minimum work machines, sprayers and haymaking equipment.

# A history of Excellence

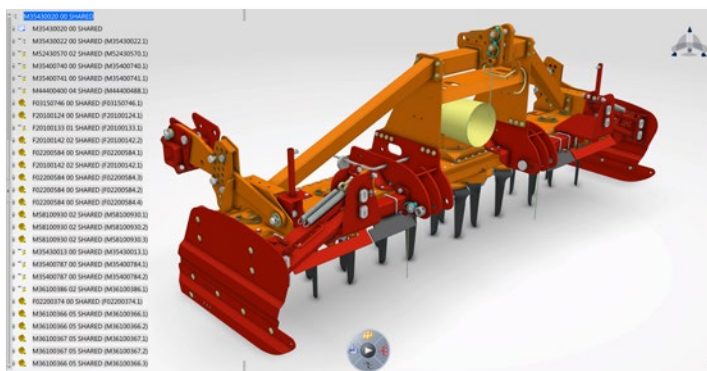


The founders, **Giorgio and Egidio Maschio**

It was **1964**, when the **brothers Egidio and Giorgio Maschio** built the first CL tiller with gear drive. They built it in the family stable, since then renamed **Tiller House**, working with tenacity, willpower and a great passion for the world of agricultural mechanisation.

Since then more than 50 years have passed, MASCHIO GASPARDO has become an **international group of 2,200 people** who work every day moved by that same **passion**. But how are our machines made today? Let's take a look at the **production process** that starts with the design phase and ends with the quality and excellent performance of MASCHIO GASPARDO equipment working the land around the world.

## Research and Development

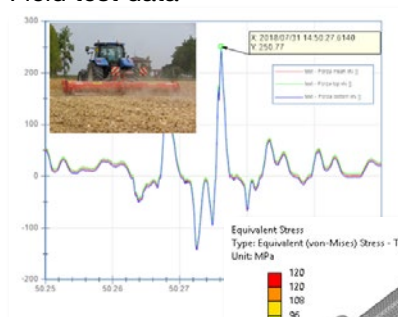


The making of a machine MASCHIO GASPARDO starts with the marketing team working with our technical offices to analyse the agronomic needs of the market, the latest developments in the tractor industry – every year more powerful – and the needs of final customers, with a special focus on safeguarding the environment. **Research and**

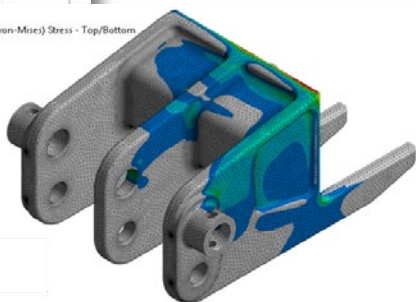
**Development** are two key words that identify a department made up of almost **100 people** who are engaged in a daily basis in studying and implementing **the best technological innovations** to be applied to our products.

# A history of Excellence

Field test data



Simulation test



The project optimisation and validation is carried out through laboratory testing and numerical simulations using the potential of the latest **simulation and data-processing software**. Tools that allow perfectly simulating the stresses to which the machine will be subjected, like the **FEM - Finite Element Method** or **bench tests**, that put stress on the machine components to create a prototype as close as possible to the final product.

## Cutting-edge design

Even the formal aspect of **design** is increasingly critical in the design of MASCHIO GASPARDO products. Technical development is preceded by a fundamental aesthetic-formal study that takes into account **operational aspects, work ergonomics, materials** and **styles** that make our equipment recognisable, improving brand communication.



DESIGN BY



### GALILEO VISIONARY R&D

This is the case of the CHRONO precision seeding element, which boasts a design by Galileo Visionary R&D, a district of the Science and Technology Park of Padua, a spin off of the SID Italian School of Design. It is a machine with an attractive design yet it is also practical and studied down to the smallest detail to make field performance even more efficient.

## FIELD TEST

The delicate design phase goes hand in hand with **prototyping** entrusted to our specialised technicians. Numerous **field tests** are carried out in different soil conditions to improve the performance of our equipment.



## *The production phase*

The machine is put into production only once optimal results are achieved. The selection of the best materials, advanced industrial techniques like **laser cutting**, **robotic welding**, **powder coating** or **cataphoresis** of the latest generation, as well as the **very high specialisation** of our workers together with **strict quality controls** ensure the assembly of high performance machines able to meet the **high production standards** required by the market today.



## A network of professionals

Once made, our products are entrusted to a widespread network of international professionals who manage the **promotion, sales and after-sales services.**

A staff of experts who will always be happy to assist you, exactly like our founders used to do in the early days of MASCHIO GASPARDO.



## CASE HISTORY - The Valmori Farm

Founded by Fabrizio, Daniele and Gabriele Valmori in 1985 in Conselice, in the province of Ravenna, today the Valmori Farm is managed by Daniele's sons, Davide and Erika, Fabrizio and by his son Marco. Specialised in the cultivation of onions, potatoes, wheat, seed beets and other crops, it cultivates a total of 300 hectares. The link with MASCHIO GASPARDO is a strong bond, distinguished by mutual trust and established more than 20 years ago, as explained by Fabrizio's son, Marco Valmori.



"The JUMBO harrow was practically born here on our farm. We needed a more powerful machine than the AQUILA to work the hard terrains of our region and so the JUMBO was designed here. We tested the prototype on our land, and it achieved excellent results. We bought the first JUMBO in 1995, the first eight-metre in 2007, the second in 2013 and a few weeks ago the latest version, the JUMBO 8000 HD. An incredible machine that meets all our needs".

# MASCHIO GASPARDO ACADEMY

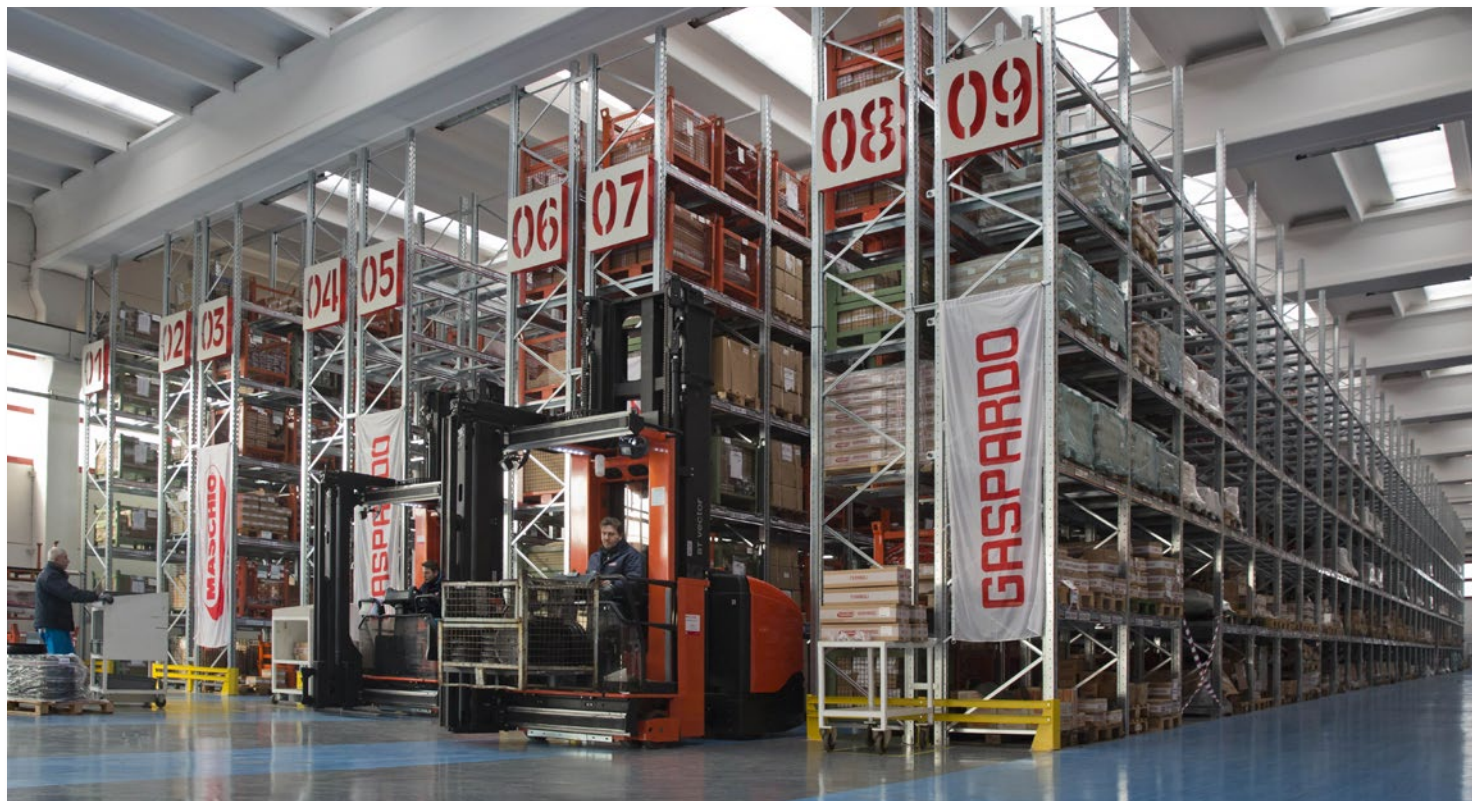


## MASCHIO GASPARDO ACADEMY

MASCHIO GASPARDO ACADEMY is the name of a **place**: a spacious multimedia room equipped with the latest technologies in the world of communications and an adjoining **showroom** with all the important innovations produced by our company. But there's more. MASCHIO GASPARDO ACADEMY is also the name of a **project**, a detailed training plan for commercial personnel and technicians from around the world, so they can remain constantly up to date with the world of agricultural mechanisation.



# After-Sales Service



Anyone who knows the world of agriculture knows how important it is to receive spare parts as soon as possible.

The strict farming calendar doesn't leave any space for delays or inefficiencies. To meet the needs of its customers, MASCHIO GASPARDO set up a **new centralised warehouse**, located in the Campodarsego headquarters in Italy.

# 80,000

articles managed

Our strengths

- Centralised warehouse
- Delivery **within one day** for urgent orders
- Spare parts distribution network that extends throughout the world

Always close to our customers



# ***THE BEST*** ***SERVICE, GUARANTEED!***

The MASCHIO GASPARDO team is able to guarantee **the best after-sales service**.

For us customer service is the most important value, a top priority to meet the demands of those who choose our products every day.

# 100

Highly qualified technicians

# WE CARE FOR THE ENVIRONMENT

Our company continues to develop an **increasingly green** industrial policy in terms of products, highly efficient agricultural machinery and processes.

Since 2010 **over 11 million euros have been invested in the environment**, used for the installation of photovoltaic systems in all the group's plants, increased insulation, the opening of new skylights, the introduction of monitoring systems to reduce consumption and the launching of heat recovery systems.

Moreover, the Morsano al Tagliamento plant has been equipped with an **all-LED lighting** system and the fuel oil has been replaced by the use of methane gas. These are works that have earned our group an **award** from the local government of Morsano al Tagliamento (PN) and that will soon be applied to all the other MG sites.



**3,500,000**  
kWh per year of  
energy produced

**1,700**  
t per year of CO<sub>2</sub>  
emissions avoided

which corresponds to  
the amount of CO<sub>2</sub>  
absorbed by

**150,000**  
trees

***In the following pages you can see  
all the great new developments that MASCHIO  
GASPARDO is presenting at EIMA 2018!***



PRIMO fertiliser spreader



UNICO XL  
IN-FURROW/OUT-OF-FURROW PLOUGH



Precision planters  
with CHRONO technology



TEMPO ULTRA mounted sprayer



**BIO** agriculture machines

*...and that's not all...*



# CHRONO

## High speed precision planter

### **FAST, PRECISE and EFFECTIVE**

CHRONO is the new technology for precision seeding designed for seeding at high speeds, with any type of seed and soil type.

Equipped with a new all-electric aluminium seed dosing unit, CHRONO consists of a chamber that contains the incoming seed, and this seed is pushed onto a spinning dimpled disc off to the side. After leaving the chamber, the seed enters the new pneumatic transport which deposits it on the ground at high speed. A photocell placed under the chamber monitors the speed, while the seed cover disk in soft, self-cleaning rubber fixes the seed precisely in the point where it falls, ensuring maximum sowing precision.



It met **all my needs**. I wanted a precise and fast machine, for years I've wanted a high-performance machine. And finally they made it!

**CESARE CICERI (Lodi)**  
Subcontractor

On the last day I sowed the second harvest, rain had been forecast for the night. **Thanks to CHRONO**, I was able to sow and weed before it rained.

**FRANCO ZAPPATERRA (Mantua)**  
Farmer



**I will never go back.**

I works as a subcontractor. We have gone from 1,500 hectares planted to 6,000 this year.

**GIAMBATTISTA BONETTI (Brescia)**  
Subcontractor



### **SECTION CONTROL**

Automatic control of the planting sections thanks to mapping of the field boundaries and recording of areas that have already been worked.

# PRIMO

## Fertilizer spreader



### PRIMO

The MASCHIO GASPARDO fertiliser spreader designed to achieve **optimal fertilisation** even near ditches or streams, with the goal of avoiding overlaps and loss of product.

The heart of the machine is the distribution system, consisting of a roto-vibrating head that conveys the fertiliser to the distribution chute without damaging the product or its structure. The distributed quantity is managed by a double gate system: the first regulates the dose to be distributed, the second with a quickly opens and closes the distribution chute to reduce losses at headlands and during manoeuvres. The distribution chute has a particular three-lobed shape for a more uniform spread. It is possible to move the fertiliser's falling point forwards or backwards on the disc depending on its properties, thus varying the area and the spreading radius.

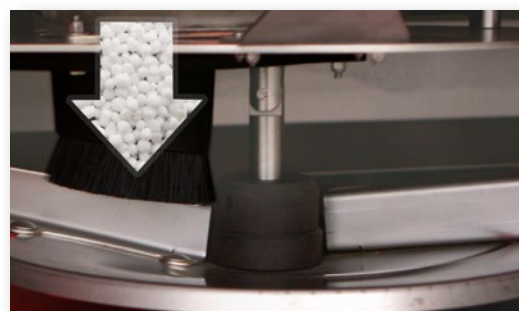


### Flow speed: up to 500 kg/min

The "A" gate (ON-OFF) is used to close the flow very quickly upon arrival at the headland. The lower gate (B), which varies the product flow to the spreader disk, is manually adjusted on the PRIMO M while on the PRIMO EW it is managed electronically and continuously thanks to the load cell feedback. Its particular shape has been designed to minimise the dose effect, which occurs with very low or very high flows. The maximum capacity is 500 kg per minute.

### Localised spreading

This solution allows limiting the area where the product can fall. The granules fall onto the disc in the correct position and with the utmost precision to avoid any turbulence.





# UNICO XL

## IN-FURROW/OUT-OF-FURROW PLOUGH

The production philosophy that has always distinguished MASCHIO GASPARDO has also been adopted in the Concordia Sagittaria (VE) plant, where our ploughs are made, **a complete and improved range** of reversible mounted and semi-mounted models, both in-furrow and out-of-furrow.

Versatile, reliable and efficient equipment that combines **quality and design** thanks to the high-resistance steel used to build them and the wide selection of mouldboards and skimmer mouldboards, offering the right solution for every working condition.

### UNICO XL IN-FURROW/OUT-OF-FURROW

is the plough with an extensible frame that can be combined with medium- and high-powered tractors, available with a number of bodies ranging from 3 to 6, with shear bolt safety system and mechanical (STEP) or hydraulic (VARIO) adjustment of the working width.



### CHARACTERISTICS

**SMOOTH SET:** parallelogram frame that reduces stress.

**VARIO:** hydraulic adjustment system that allows adjusting the working width directly from the cab.

**QUICK SETTING:** system for adjusting the skimmer mouldboard to work residues into the soil.



# WELCOME TO THE BIO WORLD!



MASCHIO GASPARDO cultivators are designed for **accurate and precise** inter-row working.

The range has two fixed models (HL and HR) and two folding models (HP and HS).

In particular, HS is the professional cultivator that combines a high level of autonomy with reduced footprint on the road, an ideal solution for large farms.

Thanks to INTELLIGENT DRIVING the cultivator is driven autonomously by means of a dual optical camera or mechanical probes through the crop rows, without the need for any intervention. INTELLIGENT DRIVING improves working comfort and allows a precision of hoeing up to 3 cm on each side of the row.



The new SC PRO rotary tiller with BIO kit is suitable for tractors with power ranging from 45 to 170 hp. Working at lower depths and at higher speeds than normal tillers, it is possible to prepare the seedbed, limiting both compaction and soil erosion. Suitable for both full-field crops like corn and wheat and horticultural crops.

Thanks to the 3 rotors (ZAPPE, COBRA and CONDOR), SC PRO BIO can operate in **any terrain and condition** and can be used simultaneously for fertilisation, keeping the residue in the first cm of soil, and for biofumigation, pouring fresh plants (cruciferous) into the soil that release substances capable of inhibiting the development of pests and pathogens.



# For a sustainable future

COMPAGNA is the mechanical combi seed drill with a DELFINO rotary harrow that promotes **biodiversity, fertility and savings**, allowing the spreading of mixed weeds (polyphites).



COMPAGNA is available **in different versions**, with working widths from 1.3 to 3 m, ideal for 30-130 hp tractors. The particular configuration of the machine makes it suitable for any type of seeding, even on steep slopes. The distributors can manage both small and large calibre seeds with the same precision. Thanks to the three-cam gearbox it is possible to vary the dose of seed distributed from 2 to 500 kg/ha.

With the new ROMPICROSTA measuring three metres fixed or 4.5 and 6 m foldable, it is possible to facilitate the germination of crops in soils with superficial crusts, digging out the newly emerged weeds. This equipment can be used with medium-low power tractors (50-140 hp).



*The widespread adoption of organic and ecological agriculture due to an increasing demand for organic products and chemical-free foods has driven the design and development of equipment to support sustainable agriculture. Always attentive to the growth of the organic market in Italy, the MASCHIO GASPARDO group offers various organic-friendly machines in its range.*

# TEMPO ULTRA

## Mounted sprayer

### Advanced intelligent technology

TEMPO ULTRA is the **new mounted sprayer** that was designed and built entirely in the GASPARDO plant.

Thanks to the 1300, 1600 and 2000 l tanks and its compact dimensions, TEMPO ULTRA is the ideal choice for medium and large farms with subdivided plots.

The **completely redesigned** ALA 400 bar has a vertical closure available in the 21, 24 and 27 m extension versions with nozzles every 50 cm.

The sprayer bar is completely hydraulic with a pendulum system and manual levelling. The central unit has an adjustable damper for the yaw to absorb all the shocks, and shock absorbers to keep the bar in position parallel to the ground, guaranteeing a high level of uniformity in any conditions.



The wings, built with stronger and lighter **Strenx® steel** profiles, are divided into sections, each of which is controlled by a hydraulic cylinder with brake connected to a sequence button for closing/opening. The tip, on the other hand, has an aluminium profile with an impact safety joint to shift the centre of gravity closer to the control unit, thus increasing the bar's response speed to oscillations.

The TEMPO ULTRA water panel is available in the classic mechanical version or in the electronic version with all the functions managed by both the on-board monitor and the tractor cab.



TEMPO ULTRA is also equipped with a **section recirculation system** that guarantees continuous pressurised circulation of the spraying liquid inside the sections when the bar is not spraying. This way all the spraying sections are constantly filled with liquid and immediately ready to spray the entire surface without having to wait for the sections to finish filling up.

The continuous recirculation of water inside the sections helps the plant protection product to remain in solution, reducing the risks of deposits and clogging of the nozzles.

# And the innovation continues...

*In addition to designing new models, the constant search for increasingly advanced technological solutions is a must for MASCHIO GASPARDO.*

*Here are some of the innovations incorporated into our machines.*

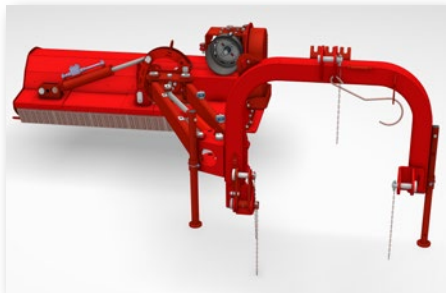


## **AQUILA with B-DRILL seeding kit**

Rotary harrow equipped with a new system for broadcast seeding. Suitable for cover crops and cereals.

## **PRIMAVERA seeding bar**

New combination with front hopper that distributes both seed and fertiliser.



## **GIRAFFA L lateral mulcher**

New semi-professional equipment for the management of green and pruning waste.

## **VELOCE 7 metres**

Disc harrow designed for large farms.



## **UFO 3 metres with B-DRILL seeding kit**

Disc harrow with B-DRILL broadcast seeding kit.

## **ARTIGLIO folding**

Subsoiler designed for use with powerful tractors.



# MASCHIO GASPARDO NEWS

## Model Farm

The first MASCHIO GASPARDO Model Farm project was officially launched, designed to promote collaboration with leading farms.

The first MASCHIO GASPARDO **Model Farm** is the **Zilio Farm**, an extraordinary Paduan structure dedicated to livestock and cultivation, which has purchased 15 MASCHIO GASPARDO machines thanks to the collaboration of the dealer SERGIO BASSAN.

A precious partnership, a source of pride for both companies involved.



## AGRICARE

Innovative Green Farming



## LIFE - AGRICARE Project

After three years of studies and experiments, the European **LIFE - AGRICARE** project was concluded, which saw MASCHIO GASPARDO in the forefront alongside **Veneto Agricoltura, ENEA, Tesaf - University of Padua and Euris.**

Launched to study new technologies and cultivation techniques to mitigate the impact of agriculture on the environment by reducing energy consumption and promoting the accumulation of carbon in the soil, the project has returned excellent results and food for thought for an increasingly sustainable agriculture.

<http://lifeagricare.eu/it/>

## IWMpraise

The five-year European project Horizon2020 IWM PRAISE aims to promote the integrated management of weeds (IWM) in Europe, an innovative methodology for more sustainable and resilient agriculture. The project is coordinated by the Department of Agroecology of the Aarhus University in Denmark. It is made up of 37 partners from 8 countries which include 11 universities and research institutes, 14 SMEs and industrial partners and 12 consulting firms and end users.

<https://iwmpraise.eu/> e #iwmpraise



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 727321



## IWM PRAISE

EU grant agreement No.727321



## DEALER MEETING Italy

For a structured company with widespread distribution like MASCHIO GASPARDO, maintaining a relationship of **trust** with dealers is essential.

This is the main reason why the Dealer Meeting Italy was organised, attended by more than **150 MASCHIO GASPARDO dealers** from all over the country. The programme included visits to the MASCHIO Ploughs and GASPARDO establishments, followed by a meeting at the prestigious, historic location of Villa Manin in Codroipo (UD).

The feedback during lunch at the end of the meeting was very positive, further confirming the importance of the sales network for the company.

# New MERCHANDISE catalogue!

## For all tastes

Ever since MASCHIO GASPARDO started out in 1964, we have set our sights high to cater to the needs of farmers the world over, growing into the multinational leading agricultural machinery manufacturer we are today. **Prestige, quality and precision** have always been the Group's strengths and we have endeavoured to bring these qualities into this catalogue, designed for all our fans out there.

From **apparel** to **luggage**, from **accessories for the office** to those **for free time**, a selection of useful, practical and...beautiful items!

What are you waiting for? Run to our MASCHIO GASPARDO SHOP!



### Sweatshirt

Zip-front sweatshirt, made from soft fleece-backed material, with side pockets and white bands.

Sizes: S - 3XL  
Colour: Grey  
Material: 80% Cotton  
20% Polyester

Sweatshirt item number  
Size S: W00000131R  
Size M: W00000132R  
Size L: W00000133R  
Size XL: W00000134R  
Size XXL: W00000135R  
Size 3XL: W00000136R



### Softshell jacket

Breathable and water-repellent softshell jacket, has three zip pockets and hidden hood inside the collar. Thin fleece lining.

Sizes: S - XXL  
Colour: Grey  
Material: 87% Polyester  
3% Elastane

Softshell jacket item number  
Size S: W00000140R  
Size M: W00000141R  
Size L: W00000142R  
Size XL: W00000143R  
Size XXL: W00000144R



### Overalls

Overalls with covered central double-ended zip, elasticated waist, has four front pockets, two back and one side.

Sizes: S - 3XL  
Colour: Red  
Material: 100% Cotton

Overalls item number  
Size S: W00000049R  
Size M: W00000050R  
Size L: W00000051R  
Size XL: W00000052R  
Size XXL: W00000053R  
Size 3XL: W00000054R



### Shirt

Men's striped shirt with left breast pocket and adjustable two-button cuffs.

Sizes: S - 3XL  
Colour: Red and white  
Material: 100% Polyester



Shirt item number  
Size S: W00000101R  
Size M: W00000102R  
Size L: W00000103R  
Size XL: W00000104R  
Size XXL: W00000105R

### Neck warmer

2-in-1 neck warmer/hood featuring drawstring with toggle adjustment.

Item number: W73320312R  
Colour: Anthracite gray  
Material: 100% Polyester



### Baseball cap

Baseball cap made from breathable material with metal buckle for a comfortable fit.

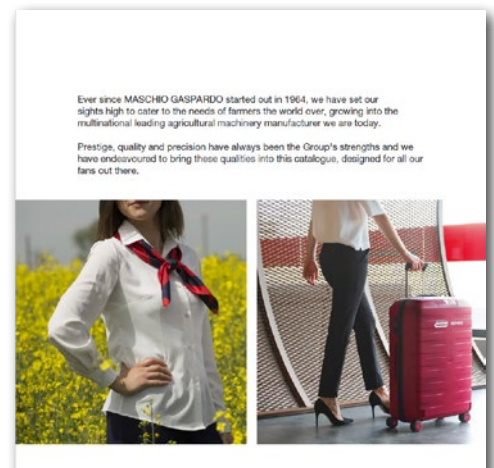
Item number: W00000130R  
Colour: Red  
Material: 100% Cotton



### Belt bag

Belt bag with two compartments and an inside zip pocket, adjustable strap.

Item number: W00000167R  
Colour: Gray  
Material: 100% Polyester



### USB pen

USB pen with 4GB of storage.  
Item number: W00000005R



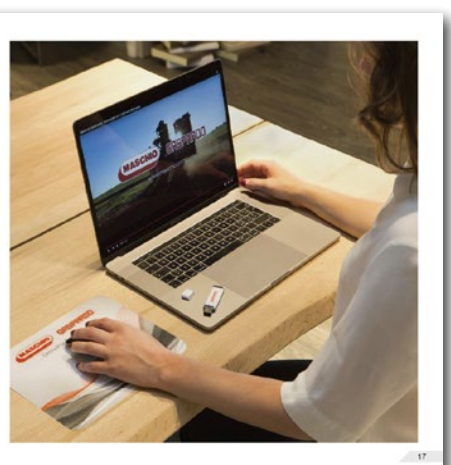
### Ballpoint pen

Plastic pen with rubber grip making it easy to hold. Click pen with black refill.  
Item number: W00000001R



### Mouse pad

Ultra-slim, scratch-resistant PVC mouse pad. Non-slip silicone material on back for a secure grip on the work surface.  
Item number: W00000003R





Growing Together

[www.maschio.com](http://www.maschio.com)



Download our MY MG app



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