

Quick Catalogue

2025 | A00

ENG

tecomec®

Agriculture



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The Group

Tecomec is based in Reggio Emilia, the cradle of farming and industrial development, and a region renowned worldwide for its top quality technology.

As part of the **Emak Group**, today Tecomec represents one of the major production centers of components and accessories for forestry, gardening, agriculture, cleaning and industrial applications.

Tecomec's divisions are:

Forestry
Forestry equipment & saw chain care and maintenance.

Gardening
Accessories and components for garden care.

Agriculture
Accessories and components for orchard and crop sprayers.

Cleaning
Accessories and components for high pressure washing and car-wash.

A Global Presence

The Tecomec Group reaches Its customers thanks to a global and strategic presence consisting of production and distribution plants located in different countries:

- **Tecomec**, headquarter specialized in the production and distribution of components and accessories for the European market.
- **Speed Group**, producer of polyamide lines for garden and industrial uses.
- **Ningbo Tecomec Manufacturing**, producer of parts and accessories distributed by Tecomec.
- **Spraycom**, active In the wholesale trade of farming components and accessories In the Brazilian market
- **Agres**, specialises in the design and manufacture of electronic components used in precision farming.
- **Markusson**, specialized in production of professional robotic sharpeners for chainsaw chains.
- **PNR Group**, specialized in production and distribution of spray nozzles and components for industrial applications.



The Agriculture Division

tecomec Agriculture

Starting from Tecomec's strong background in technology and innovation, the **Agriculture Division** became a **worldwide reference point** in advanced farming solutions, to strategically meet market demands, Tecomec has expanded its global presence and product range by establishing two subsidiaries focused on agricultural products and services, **Agres** and **Spraycom**.
This expansion reinforces our commitment to always being close with integrated solutions that meet any need.

Our Offer

- **WIDE RANGE CATALOGUE**
- **MORE THAN 6000 DIFFERENT ITEMS ALWAYS IN STOCK**
- **CO-DESIGN ENGINEERING CAPABILITIES**
- **GLOBAL FOOTPRINT**
- **VERTICAL PROCESS**
- **CERTIFIED PRODUCTS EXEEDING MARKET STANDARDS**



Our Brands

Nowadays, Tecomec's Agriculture Division offers customers complete solutions for **precison farming** and **fluid control**.
The Group operates in multiple countries providing **components**, **digital systems** and t**echnical support** to manufaturers and distributors, through its two brands: **Tecomec** and **Agres**.

CONTROL AND PRECISION, FROM PREPARATION TO HARVEST.

tecomec

Design, production and distribution of accessories &components for orchard and crop sprayers.



tecomec.com

Agres

Design, production and distribution of navigation systems, electronic and digital services for precision farming.



en.agres.com.br

01.

Precision Farming

tecomec | Agriculture



01. Precision Farming

Total control:

Precision Farming with powerful, intuitive technology.

- Operations monitoring and control
- Cost reduction and greater precision
- Data management and processing

AgroNave 12



ISOBUS VT / TC · CLOUD IsoFarm · WiFi · BLUETOOTH

Experience the pinnacle of precision with the **AgroNave 12**, a larger and equally capable agricultural GPS system.

Equipped with state-of-the-art and robust software, this model stands out with its **ISOBUS** system, designed to provide seamless plug-and-play integration between diverse vehicles (e.g., tractors) and implements (e.g., sprayers).

The **AgroNave 12** ensures the versatility and flexibility you need for efficient field operations, while its larger size offers enhanced dis✓play and control for comprehensive management of your agricultural tasks.

AgroNave 7



ISOBUS VT / TC · CLOUD IsoFarm · WiFi · BLUETOOTH

Discover unparalleled flexibility with the **AgroNave 7**, featuring cutting-edge **ISOBUS** technology.

This innovation allows seamless integration of your GPS with components from various brands, ensuring top-notch efficiency and versatility in the field.

The primary function of **ISOBUS** technology is to facilitate plug-and-play connectivity between different vehicles (e.g., tractors) and implements (e.g., sprayers), enhancing your operational ease and productivity.

Shared Key Points

Intuitive interface: Simple and easy-to-use system designed to streamline your field operations

Fast response: Save time with a powerful on-board computer that ensures efficiency in your tasks

Connectivity : Synchronize your tasks and files with the IsoFarm portal and get fast, efficient help with the remote support feature

ISOBUS: Allows seamless communication with implements from different manufacturers, ensuring versatility and flexibility

Common Benefits

Multiple operations: Ability to operate different tasks from external controllers, expanding field applications

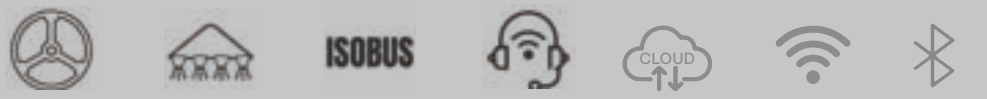
Operational efficiency: Cutting-edge technology designed to increase operational efficiency and deliver impressive results

Line and lane marking: Keep your equipment on the same line, avoiding crop crushing and soil compaction

Post-work tracking: Access equipment location after work. The IsoFarm platform gives you complete control over the number of service hours performed.

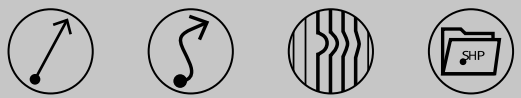
Features

	AgroNave 12	*AgroNave 7*
Screen	12"	7"
Connection	Wi-Fi: synchronization with IsoFarm portal and remote support	Wi-Fi and 4G: synchronization with IsoFarm portal and remote svupport
Resistance	P66 - Water-resistant designed to withstand strong jets of water from any direction	IP67 - Designed to withstand the challenges of the agricultural environment



AUTOSTEERING · SPRAYING · ISOBUS VT / TC · ONLINE SUPPORT · IsoFarm · WiFi · BLUETOOTH

Guide



STRAIGHT · CURVED · ADAPTIVE · PROJECT

Model and code



AgroNave 12
5001011000781

AgroNave 12 ISOBUS
5001011000782



AgroNave 7
5001011000774

AgroNave 7 ISOBUS
5001011000775

GeoNave



Equipped with an exclusive Agres proprietary system, GeoNave guarantees maximum performance and works exclusively with Agres software and hardware for optimized integration.

Discover how GeoNave 30 will revolutionize your production:
High precision, guidance control, avoidance of errors and overlaps in agricultural operations!

CLOUD IsoFarm | WiFi | BLUETOOTH

Key Points GeoNave 30

7" touch screen
IP65 protection
Can be used from planting to harvest
Agile and easy to install, configure and use platform
Measures perimeter and treated area
Stores and exports data from completed tasks
Allows import of prescription maps
Navigation by parallel lines, straight or curved
Calculates area covered by task
Follows work paths based on parallel straight, curved, free or as designed
Requires only a start point (A) and an end point (B)
Upgradable to GeoNave 31

Key Points GeoNave 31

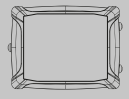
All functions offered by GeoNave 30
Possibility to use all the precision bands listed below
Automatic regulation of the flow on the basis
Of the travel speed
Regulation of the flow on the basis of the dosage
Specified by the user
Variable dosage on the basis of prescription maps
Management of different types of valves and nozzles
Control of every single valve on the bar
Automatic closure of sections on the basis of the GPS position to prevent overlaps of chemical product

Guide



STRAIGHT CURVED PROJECT

Model and code



GeoNave 30
M019007000

Benefits

Better results with lower cost of ownership
Saves time by easily resuming previous activities
Avoids overlapping maneuvers
Allows the use of all specified precision bands
Pass to pass precision
Absolute precision of 30 cm, potentially reaching 20 cm, 15 cm and even 2 cm depending on the signal contracted

tecomec Agriculture

IsoFarm



Monitor and control your farm.

IsoFarm is an innovative online platform that provides a detailed and comprehensive view of your farm.

Functionalities

Navigation reports:
Access reports with essential information such as field name, machine used, operation type, total activity time and percent overlap.
Explore maps showing application distribution, speed and overlap area

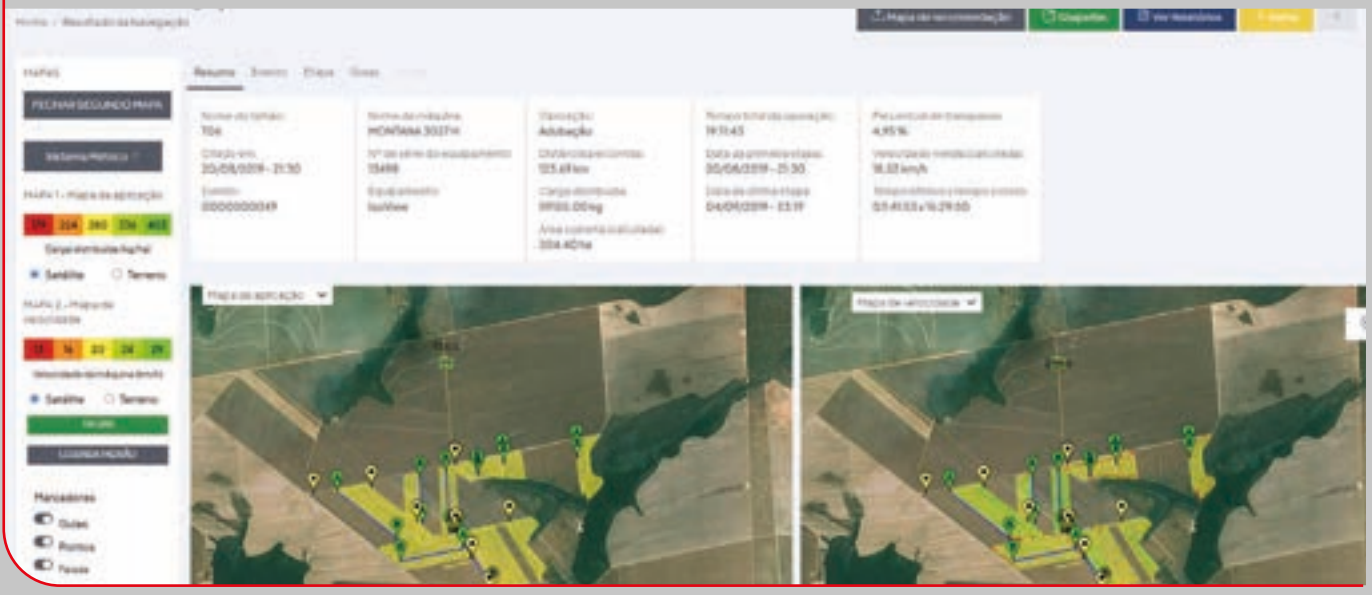
Fleet monitoring:
Monitor your fleet with access to machine parameters, operator behavior and progress of field activities

NDVI service:
Get vegetation maps with the Normalized Difference Vegetation Index (NDVI) service. With information collected via satellite, create NDVI-based recommendation maps to optimize your operations

Complete control.

Manage all your farming activities **from the convenience of your mobile phone, tablet or computer.** Point your phone's camera at the QR code to learn more and start using IsoFarm today! With IsoFarm, you have complete control over your farm operations, ensuring efficiency and productivity, all at the touch of a button!

en.agres.com.br/isofarm/



ANR 20



Key Points

Bands: Single frequency L1
Signal Correction: SBAS
Terrain Compensation
Accuracy Abs: 1,2 m
0,6 m with SBAS
Accuracy Pass to Pass: 0,3 m
Update Frequency: 10 Hz
Outputs: NMEA serial RS232
NMEA CanBus
IP67

Applications

NAVIGATION SPRAYING SPREADING

Model and code



Antenna ANR 20
5001011000721

ANR 30



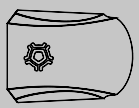
Key Points

Bands: Multi frequency L1-L2-L5
Signal Correction: SBAS, HAS, RTK-Ntrip, RTK base station
Terrain Compensation
Accuracy Abs: 1,2 m
0,6 m with SBAS
0,02 m with RTK
Accuracy Pass to Pass: 0,3 m
0,15 m with Galileo HAS
Update Frequency: up to 20 Hz
Outputs: NMEA serial RS232
NMEA CanBus - 4G for Ntrip
IP67

Applications

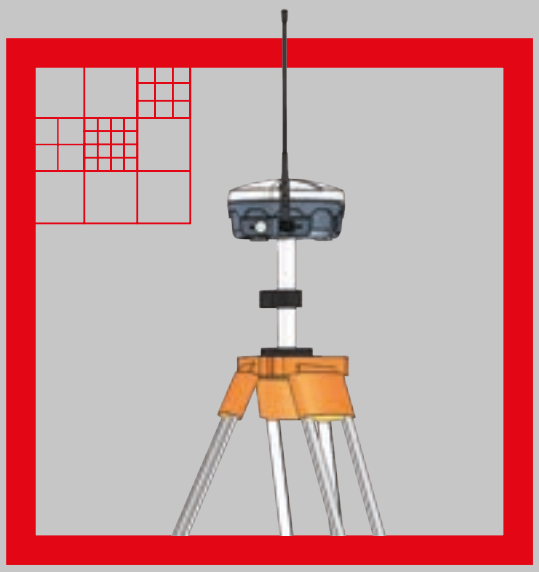
NAVIGATION AUTOSTEERING SPRAYING SPREADING
SEEDING HARVESTING

Model and code



Antenna ANR 30
5001011000777

RTK BASE STATION



Key Points

Centimeter accuracy
Greater operational efficiency
Compatibility with onboard equipment
Consistency in input application
One-time payment

STATION RTK10

Portable & simplified kits for temporary usage in a working scope of **3-5km** in good application environment

Bluetooth wireless connectivity makes the configuration and diagnosis easier

Cost-saving for small farming field

One using-friendly configuration tool for base and rover

STATION RTK50

A long range covery of **20km** based in good application environment;

Keyboard to change the frequency of orrection channel to avoid the frequency interference

ANR 30 PRO

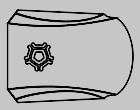


Key Points

Bands: Multi frequency L1-L2-L5
Signal Correction: SBAS, HAS, RTK-Ntrip, RTK base station
TERRASTAR correction service on subscription
Terrain Compensation
Accuracy Abs: 1,2 m
0,6 m with SBAS
0,02 m with RTK
0,01-0,02 m with TerraStar
Accuracy Pass to Pass: 0,3 m
0,15 m with Galileo HAS
Update Frequency: up to 20 Hz
Outputs: NMEA serial RS232
NMEA CanBus - 4G for Ntrip
IP67

Applications

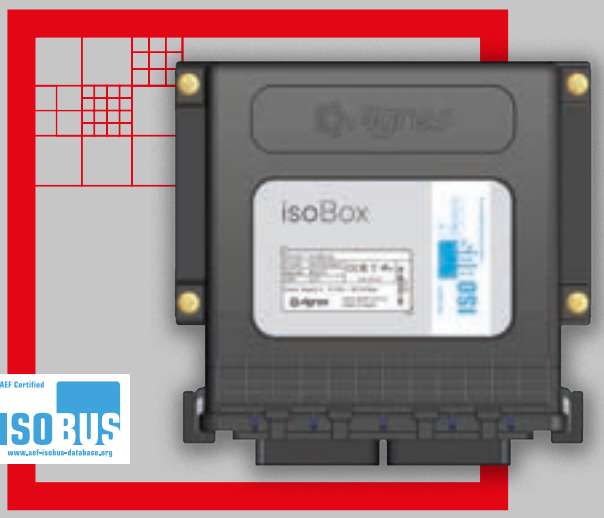
NAVIGATION
AUTOSTEERING
SPRAYING
SPREADING
SEEDING
HARVESTING



Antenna ANR 30 PRO

tecomec Agriculture

IsoBox Sprayer



IsoBox Sprayer **controls the rate of liquid application** during farming operations to ensure consistent and effective application.

IsoBox Spreader



IsoBox Spreader **controls the fertilizer application rate** during operation to ensure consistent and effective distribution.

With **ISOBUS** technology, Agres ECUs offer flexibility, allowing the system to seamlessly **integrate with components from different brands**, **ensuring efficiency and versatility** in the field. The main purpose of this technology is to **enable plug & play integration** between vehicles (e.g. tractors) and implements (e.g. sprayers) across manufacturers.

Key Points

Spray Module:
12-section, 2-wire spray control module
18-section, 3-wire spray control module

Supports pressure sensor

Supports NPN/PNP implement sensor

Supports mechanical and electronic flow sensor

Flow control limits (minimum/maximum limits in flow, pressure and/or speed)

Fault alarms for flow control and programmed limits

Totals (tank, area/volume/distance)

Field update support

Support for bar control with or without general valve

Key Points

Fertilizer Module:
Control module for fertilizing up to 4 sections

Rate control:
Controls up to two individual conveyor belts

Section control:
Controls up to two individual gates and one rotary disc

Universal Terminal (UT) and Task Controller (TC-SC, TC-GEO)

Benefits

Easy to install | Simple configuration | Intuitive | ISOBUS interface | Instant actuator signal processing | Information logging

AgroNave e-steering



For greater comfort and precision in your work

Electric or Hydraulic
Autosteering optimizes your farming operations by **reducing machine downtime, operator fatigue** and fuel consumption. It monitors the machine's path and navigates through straight, parallel or curved tracks.

System differentiation:

Electric:
Easy installation, disengagement by touching the steering wheel, automatic steering by electric actuator.

Hydraulic:
Seamless integration with the original control panel, maintaining the familiarity for the operator, disengagement by pressure transducer in the steering wheel or pedal, use of a hydraulic block for automation.

AgroNave h-steering



Benefits

Advanced guidance:
Multiple guidance options (straight and curved)

Terrain compensation:
Corrects offsets caused by terrain

U-turn maneuvers:
Headland maneuvering

Centimeter accuracy:
Available via paid signal and RTK

Features

TERRAIN COMPENSATION | U-TURN | ±2.5CM ACCURACY | ADVANCED GUIDE LINE | FARM MANAGEMENT | GIS INFORMATION IMPORT/EXPORT | IsoFarm | WiFi | BLUETOOTH

02.

Suggested kits



tecomec | Agriculture

02. Suggested Kits

From entry-level solution to full-featured integration:

getting the most out of every acre.

- Connectivity
- Integration with multiple brands
- Rectification and correction for greater accuracy

AgroNave 7



Virtual Guide + Antenna

Maximize field performance with our **AgroNave 7** virtual guide and **ANR 20 antenna.**

No ISOBUS licenses required:
Accurate and reliable navigation without the need for ISOBUS

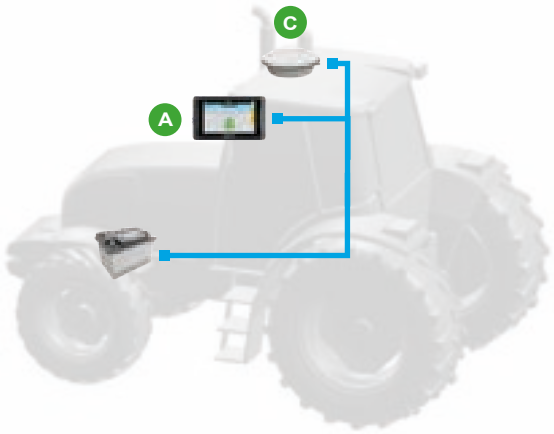
With ISOBUS licenses:
Full support of advanced systems with ISOBUS

CLOUD IsoFarm | WiFi | BLUETOOTH

Guide

STRAIGHT | CURVED | ADAPTIVE | PROJECT

ALL THE CABLES ARE INCLUDED
Scan the **QRcode** to check the complete **assembly diagram**.



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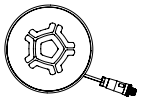
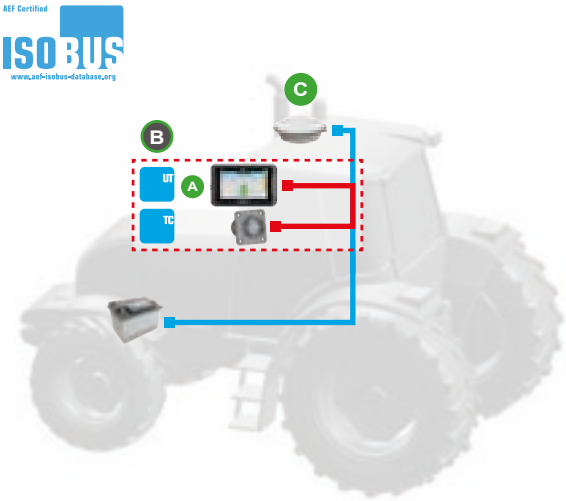
C		**Antenna ANR 20** 5001011000721



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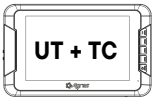
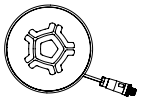
B		**AgroNave 7** 5001011000775 *Module A + Cable IN-CAB + Licence UT + TC*
C		**Antenna ANR 20** 5001011000721

Consult an expert to explore all the options available for your equipment and customize it to your specific needs.

GeoNave 31



Discover how the GeoNave 31 **will revolutionize production:** high precision, spray control, avoiding failures and overlaps!

POSITIONING ACCURACY

Through software updates, the GeoNave system is able to achieve all levels of precision required by agricultural applications.

Pass-to-pass precision between one straight pass and the next, performed within 15 minutes.

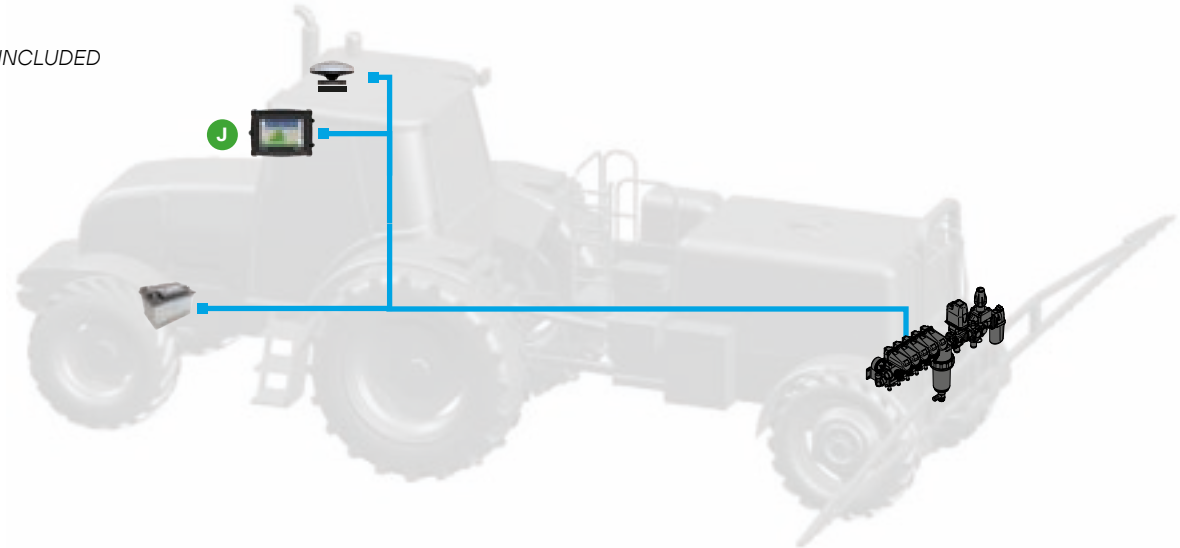
Absolute measurement precision at a given point, 24 hours per day.

CLOUD IsoFarm | WiFi | BLUETOOTH

Guide

STRAIGHT | CURVED | PROJECT

CABLES NOT INCLUDED



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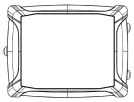
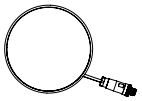
J 

GeoNave 31
M01907000*

** licenses to be ordered separately*



Antenna ANR 10
K00114026

Consult an expert to explore all the options available for your equipment and customize it to your specific needs.

AgroNave 7 e-steering



Navigation kit with electric autosteering

Get better yields with our Steer Mate electric autosteering and **ANR 30 antenna.**

No ISOBUS licenses required:
Efficient solution for precise navigation

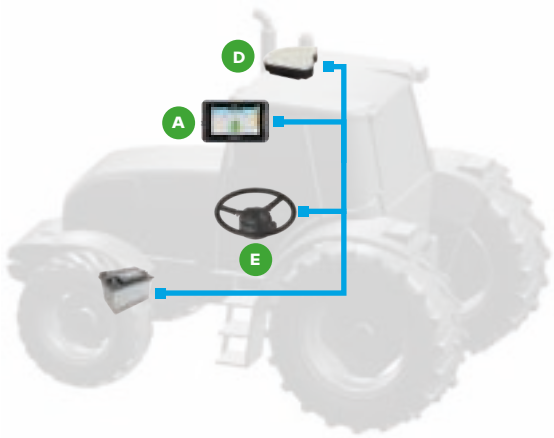
With ISOBUS licenses:
Seamless integration with compatible equipment

CLOUD IsoFarm | WiFi | BLUETOOTH

Guide

STRAIGHT | CURVED | ADAPTIVE | PROJECT

ALL THE CABLES ARE INCLUDED
Scan the **QRcode** to check the complete **assembly diagram**.



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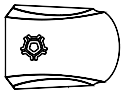
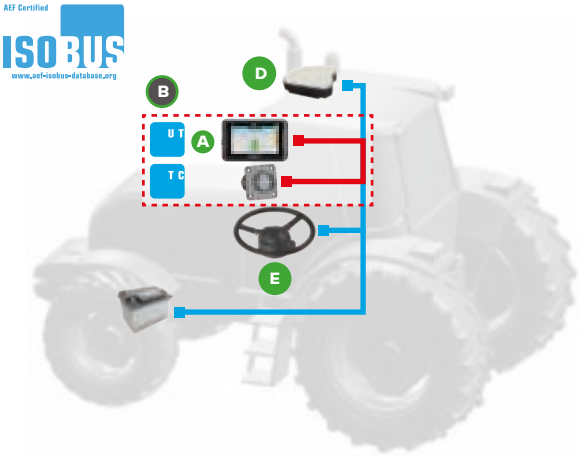
D		**Antenna ANR 30** 5001011000777
E		**Steer Mate Electric** 5001011000778



SUGGESTED KIT PART NO. **5001010100832**

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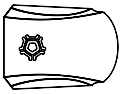
D		**Antenna ANR 30** 5001011000777
E		**Steer Mate Electric** 5001011000778

Consult an expert to explore all the options available for your equipment and customize it to your specific needs.

AgroNave 12 e-steering



ALL THE CABLES ARE INCLUDED
Scan the **QRcode** to check the complete **assembly diagram**.

Navigation kit with electric autosteering

Achieve improved yields with our **Steer Mate electric autosteering** and **AgroNave 12.**

The **kit can be used from soil preparation to harvest**, making it ideal for activities that require more precision, such as planting and spraying. The **Electric Autosteering with Antenna** ensures the best precision for your cultivation, optimizing the use of your area.

Full support for advanced systems **with ISOBUS**, compatible with all certified devices. With the system, it is possible to connect different machinery and implements to our system.

CLOUD IsoFarm | WiFi | BLUETOOTH

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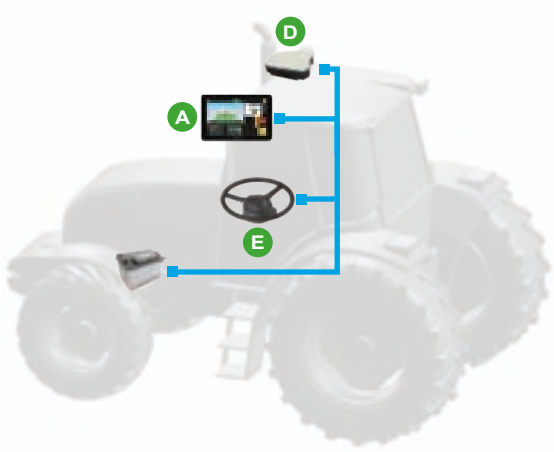

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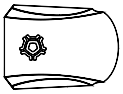
D		**Antenna ANR 30** 5001011000777
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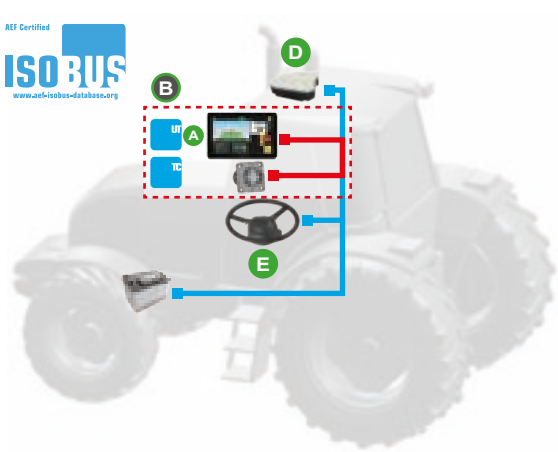

SUGGESTED KIT PART NO. **5001010100852**

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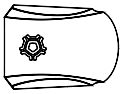
		Module A + Cable IN-CAB + Licence UT + TC
D		**Antenna ANR 30** 5001011000777
E		**Steer Mate Electric** 5001011000778

Consult an expert to explore all the options available for your equipment and customize it to your specific needs.

tecomec Agriculture

AgroNave 7 Spray



Virtual guide kit with control system with up to 12 sections

Transform spraying with our complete system including **AgroNave 7** Virtual Guide, ANR 20 antenna, retrofit cable and up to **12 section** control module.

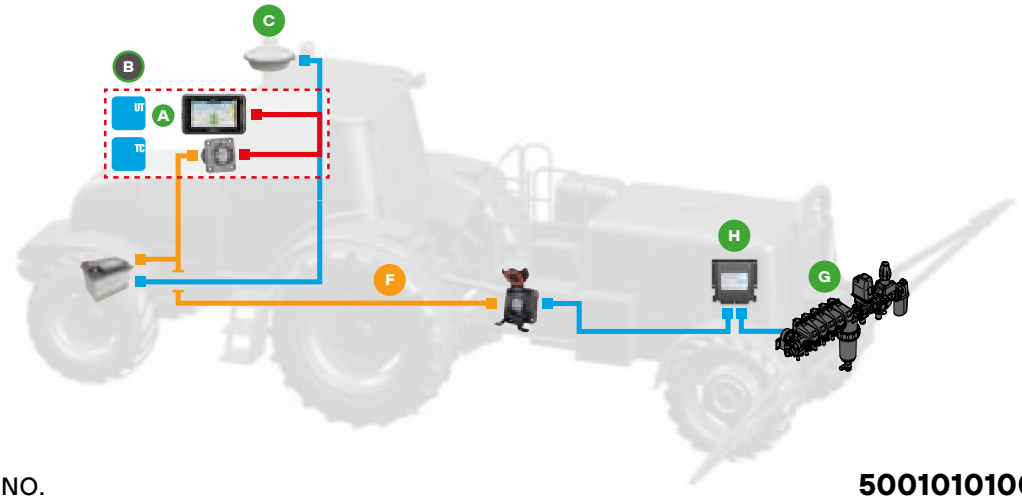
Includes
ISOBUS license for advanced and accurate spray control

CLOUD IsoFarm | WiFi | BLUETOOTH

Guide

STRAIGHT | CURVED | ADAPTIVE | PROJECT

ALL THE CABLES ARE INCLUDED
Scan the **QRcode** to check the complete **assembly diagram**.



SUGGESTED KIT PART NO. **5001010100833**

B UT + TC — **AgroNave 7** 5001011000775
Module A + Cable IN-CAB + Licence UT + TC

C — **Antenna ANR 20** 5001011000721

H 12 — **IsoBox Sprayer 12** 5001011000583

G — **Adapt IsoBox Sprayer 12** 5001011000730

OPTIONAL

F — **Retrofit** 5001011000773

Consult an expert to explore all the options available for your equipment and customize it to your specific needs.

AgroNave 7 Steer & Spray



Navigation kit with electric autosteering and spray control system with up to 12 sections

Achieve full automation of your operation with our integrated system including **AgroNave 7** Virtual Guide,
ANR 30 antenna, electric steer, retrofit cable and up to **12 boom section** control module

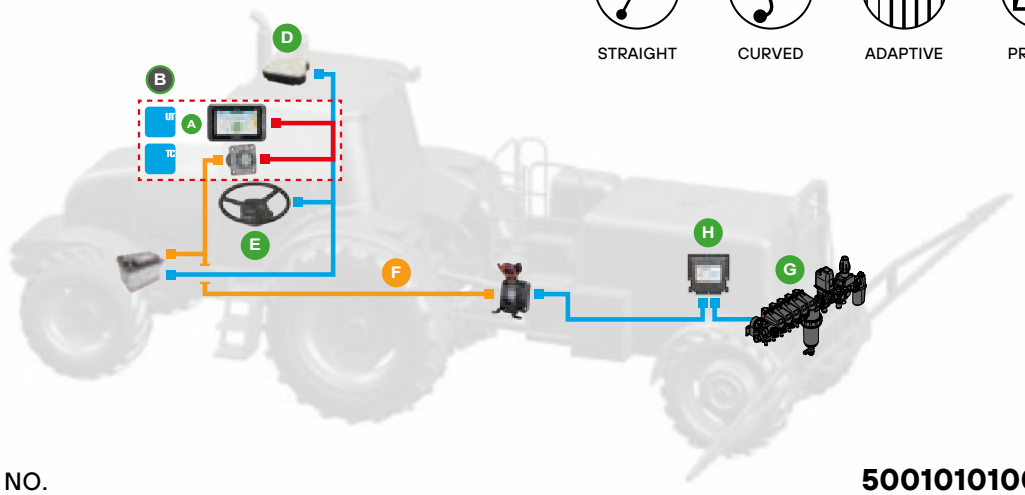
Includes
Includes ISOBUS licenses for complete and efficient spray control.

CLOUD IsoFarm | WiFi | BLUETOOTH

ALL THE CABLES ARE INCLUDED
Scan the **QRcode** to check the complete **assembly diagram**.

Guide

STRAIGHT | CURVED | ADAPTIVE | PROJECT



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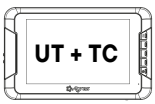
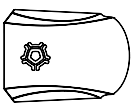
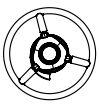
B 

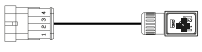
AgroNave 7
5001011000775
Module A + Cable IN-CAB + Licence UT + TC

D 
Antenna ANR 30
5001011000777

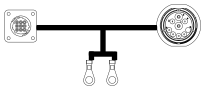
H 

IsoBox Sprayer 12
5001011000583

E 
Steer Mate Electric
5001011000778

G 
Adapt IsoBox Sprayer 12 5001011000730

OPTIONAL

F 
Retrofit
5001011000773

Consult an expert to explore all the options available for your equipment and customize it to your specific needs.

03.

Components



03. Components

Seamless integration, maximum functionality and connected support:

discover the modularity of Tecomec's components for advanced fluid control.

- Complete solutions from planting to harvest
- Modularity
- Ease of installation

Strong Box



Key Points

Modular boxes with a practical and simple mounting system, to get the best configuration for all the operators needs: left lateral / above or below / right lateral.

Available up to 7 section valves **STANDARD VERSION** and up to 5 section valves **SMALL VERSION**

Available with independent section valves (RI) and with section valves controlled by the main one (RD).



Switch Box
Large



Switch Box
Mini



Switch Box
Slim

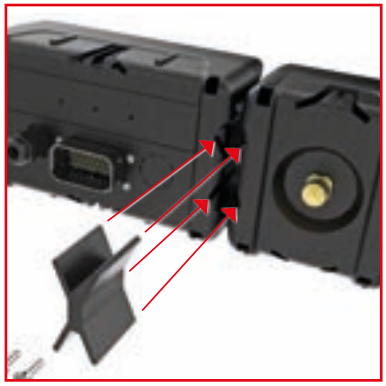
Applications

SPRAYING | SPREADING | LED LIGHT CONTROL | HYDRAULIC CONTROL | END BOOM





the boxes position in the cluster can be easily modified by the final costumer



Spray Rate™ Mini

NEW!



CLOUD IsoFarm | WiFi | BLUETOOTH



Modular assembly
with Strong Box

Versatile mini computer able to display Sprayer Sensors and to Control the Flow Rate. Easy to link with the family of Strong Boxes

Key Points

Up to 2 section valves (solenoid valve capable).

Capable of control the flow rate of a 3 section Sprayer.

Easy to join it with a switch boxes.

Automatic and manual rate control.

Speed: Wheel Sensor, Radar (ISO11786), or GPS (NMEA0183)

2.8" color LCD screen, visible in all lighting conditions

Multilingual menu

Simplified entry of task parameters

Storage for 8 custom nozzle options (in addition to ISO nozzles)

Configurable units of measurement: Metric / US

Visual and audible alarms

Two inputs for ultrasonic sensors to detect presence of trees

Inputs for Pressure Sensor and Tank Level

Managed parameters: pressure, speed, flow rate, treated area, distributed quantity, treatment duration, distance travelled, tank level

Exports task data via USB or Cloud Connection directly to ISOFARM

Easy to configure with "your Logo "

Applications

SPRAYING | SPREADING | SEEDING | BRINE | GOLF

Spray Rate™



CLOUD IsoFarm | WiFi | BLUETOOTH



Modular assembly
with Strong Box

Computer for distributing agricultural chemical products, recommended for multi-brand sprayers of herbicides, fertilizers, fungicides, insecticides, among others.

Key Points

Up to 7 section valves

Automatic and manual rate control

Speed: Wheel Sensor, Radar (ISO11786), or GPS (NMEA0183)

4.3" color LCD screen, visible in all lighting conditions

Multilingual menu

Simplified entry of task parameters

Storage for 8 custom nozzle options (in addition to ISO nozzles)

Configurable units of measurement: Metric / US

Stores up to 20 tasks

Visual and audible alarms

Integrated diagnostic tool

Two auxiliary 12 V / 3.5 A outputs

Two inputs for ultrasonic sensors

Inputs for Pressure Sensor and Tank Level

Managed parameters: pressure, speed, flow rate, treated area, distributed quantity, treatment duration, distance traveled, tank level

Exports task data via USB port or Cloud Connection

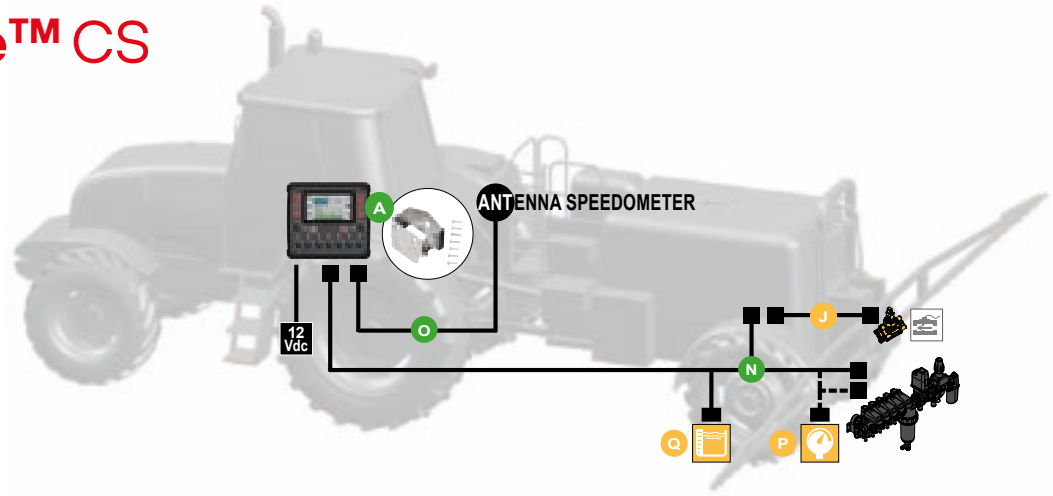
Applications

SPRAYING | SPREADING | SEEDING | BRINE | GOLF

Spray Rate™ CS

Crop Sprayer

Up to **7 sections**



SUGGESTED KIT PART NO. **5001011400001**

A 
Spray Rate CS 7 sections

O 
Antenna Speedometer GNSS

N 
Connecting cable

OPTIONAL

J **3-wire extension for flowmeter**
400103010062
L = 3,0 m

P **Pressure sensor**

Q **Level sensor**

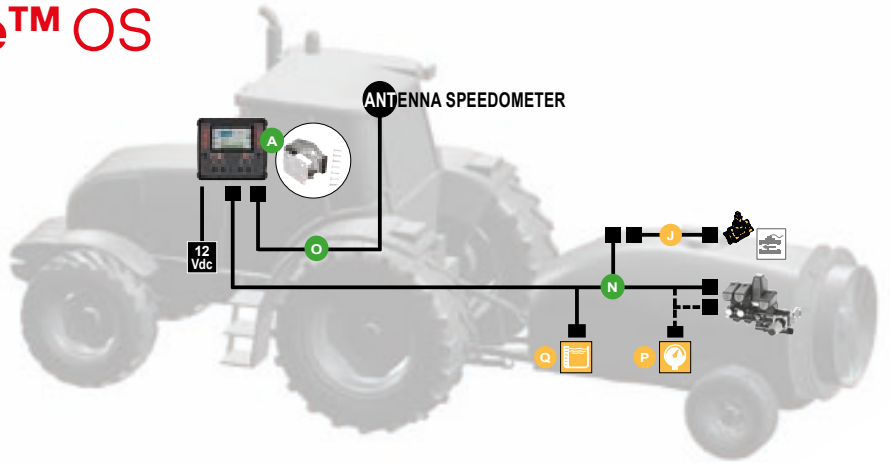
R **Monitor holder with ball**
5001011000812 

Spray Rate™ OS

Orchard Sprayer

Up to **6 sections**

Up to **6 solenoid valves**



SUGGESTED KIT PART NO. **5001011400005**

A 
Spray Rate OS 4 sections

O 
Antenna Speedometer GNSS

N 
Connecting cable

OPTIONAL

J **3-wire extension for flowmeter**
400103010062
L = 3,0 m

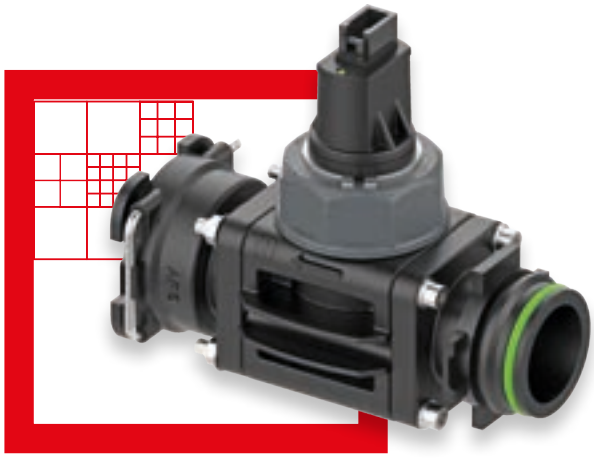
P **Pressure sensor**

Q **Level sensor**

R **Monitor holder with ball**
5001011000812 

Flowmeter

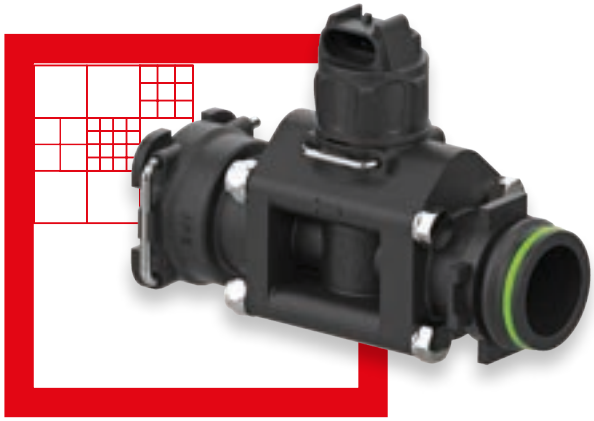
Glass fibre reinforced polyarylamide body
High Corrosion Resistance
Easy maintenace
LED power light
Modular: can replace other components on the market



Rapid Fan

Key Points

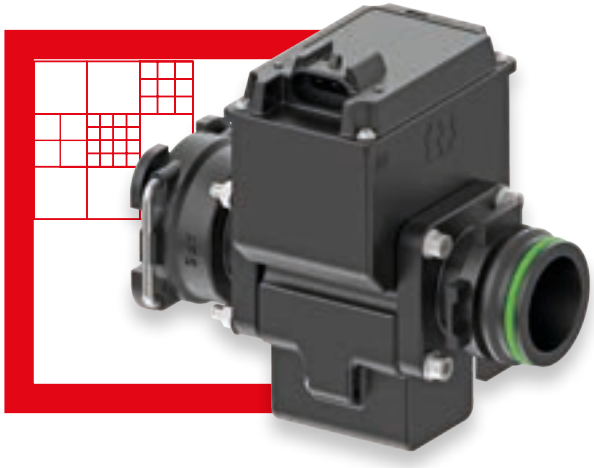
Flow range: from 2 up to 400 l/1'
Working pressure: 20 - 50 bar
Precision up to ≤ 1% fso
Working voltage: 12-24 v dc



Paddle

Key Points

Flow range: from 2 up to 200 l/1'
Working pressure: 20 - 40 - 50 bar
Precision up to ≤ 2% fso
Working voltage: 12-24 v dc



Electromagnetic

Key Points

Flow range: from 0,5 up to 400 l/1'
Working pressure: 20 - 40 - 50 bar
Precision up to ≤ 1% fso
Working voltage: 12-24 v dc

Different Fitting Option



Applications

CROP SPRAYING

ORCHARD SPRAYING

Speedometer

The antenna provides GPS position and speed of the vehicle using a frequency signal and 6-axis accelerometer signal.

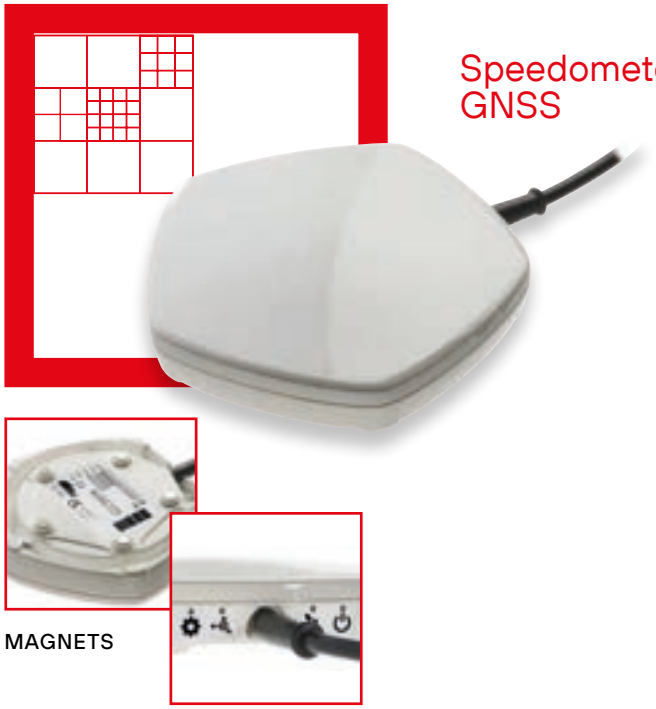
Precise event at low speeds.

The antenna can connect with the 4G Internet network data exchange on the Tecomec Cloud.

Unique and complete product, no additional sensors are needed.

Ideal for mounted spayers.

Speedometer GNSS



MAGNETS

LED

Key Points

Inertial Sensor for low speed:	minimum speed detected 0,1 m/sec
Single frequency:	L1
Signal Correction:	SBAS
Accuracy Abs:	1,8 m
Accuracy Pass to Pass:	0,8 m
Update Frequency:	up to 5 Hz
Outputs:	pulseA 1 cm/imp pulseB 25 cm/imp NMEA 0183 serial RS232

IP67

Features

GPS

Speedometer GNSS CLOUD



MAGNETS

LED

Key Points

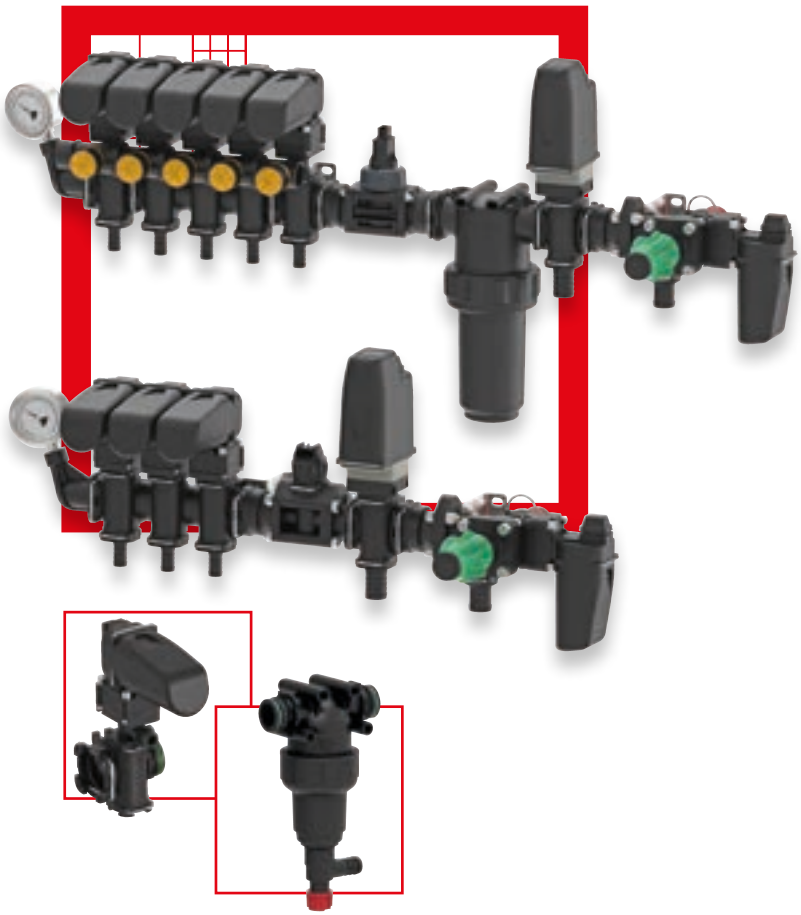
Inertial Sensor for low speed:	minimum speed detected 0,1 m/sec
Single frequency:	L1
Signal Correction:	SBAS
Accuracy Abs:	1,2 m
Accuracy Pass to Pass:	0,4 m
Update Frequency:	up to 10 Hz
Outputs:	pulseA 1 cm/imp pulseB 25 cm/imp NMEA 0183 serial RS232 NMEA 2000 CanBus

IP67

Features

GPS · CLOUD IsoFarm · WiFi · BLUETOOTH

Modular Fluid Controls



Key Points

Modular control units ideal for various types of sprayers:
self-propelled, pull-type or mounted.

Compatible with any electronic control systems

Rapid assembling

Flexible design

Wide range of accessories:
filters, ball valves, flow meters, sensors.

Customized solutions for each machine.

Flexible mounting.

100% tested.

Long life and reliability.

Ideal product to update every type of sprayer.

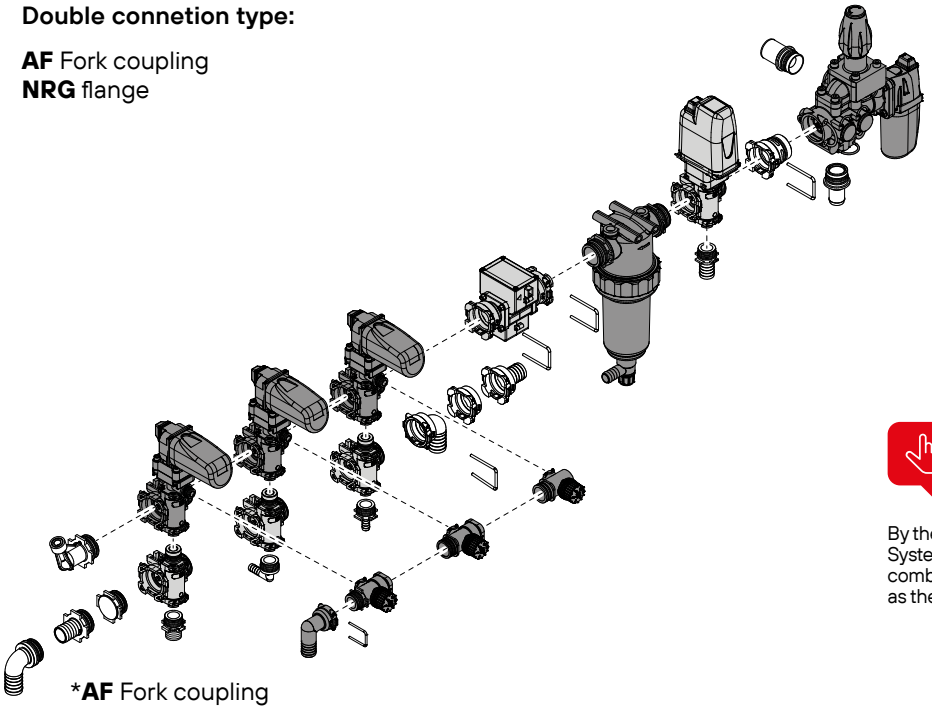
Applications

CROP SPRAYING

Assembly Scheme

Double connetion type:

AF Fork coupling
NRG flange



*__AF__ Fork coupling

By the **AF Fork Coupling** System, it is possible to combine each singolar item as the customer needs.

NRG
COUPLING



AF
COUPLING



Medium & High Pressure















Key Points

Modular control units ideal for various types of sprayers and machines with medium and high pressure

Also available in brass, with solenoid section valve

Bolt assembling

Suitable to be connected to electronic control systems

Customized solutions for each machine

Flexible mounting

100% tested

Long life and reliability

Ideal product to update every type of sprayer

Features

Boom sections	up to 4	
Working pressure	20 ÷ 60 bar	290 ÷ 870 psi
Flow rate	150 ÷ 250 l/1'	40 ÷ 66 USG pm
Working temperature	5°C ÷ 60°C	40°F ÷ 140°F
Power supply	12 Vdc	

Applications

ORCHARD

Pumps



PRO 26
26,5 l/1

5 bar

Key Points

Suitable for :
Agricultural/Industrial, chemical spraying, De-Icing Water treatment, Food & beverage, Equipment washdown, Liquid fertilizer, Construction equipment, Dust suppression

For intermittent periodic and continuous duty cycles

Chamber diaphragm pump, self-priming, it runs dry

Viton® valves, TPE diaphragm

Pressure switch & by-pass control

Working voltage: 12 V dc (24 V or 48 V on demand)

Applications

MARINE | RV | AGRICOLTURAL SPRAY | GENERAL INDUSTRIAL | FILTRATION | BEVERAGE PROCESSING | SOLAR WATER SYSTEM

ST 4 3,8 l/1'



PRO 5 5,5 l/1'
PRO 6 5,5 l/1'

5 bar





PRO 11 11,5 l/1'
PRO 15 15,2 l/1'
PRO 19 19,0 l/1'

5 bar





ST 17 17,0 l/1'
ST 12 12,5 l/1'





PRO 8 8,33 l/1'

5 bar





Accessories



Pressure Regulator
1/2 M NPT
1/2 F NPT



Pressure Regulator
1/2 M NPT
3/4 QUICK



Pressure gauge
Ø50 mm
0-6 bar

Ball Valves



Key Points

Made of polypropylene,
reinforced with fiberglass

Seats in Teflon,
gaskets in EPDM (Viton® on request)

The 3-way ball valves
are available in the on-off version
and in the continuous flow version

Couplings :
BSP or NPT or Camlock or AF Fork

Flow :
2-WAYS or 3-WAYS

Panel mounting version available

Features

	2- WAYS			*3- WAYS*		
Working pressure	10 ÷ 16 bar (145 ÷ 232 psi)			10 ÷ 16 bar (145 ÷ 232 psi)		
Sizes	3/8" ÷ 2" BSP	1/2" ÷ 2" NPT	/	1" ÷ 2" BSP	1/2" ÷ 2" NPT	/
Couplings	F/F (3/8" ÷ 2")	M/F (1" ÷ 2")	Fork (up to AF7)	F/F (1/2" ÷ 2")	M/F (1" ÷ 2")	Fork (up to AF7)

Different Version Option



NPT
VERSION



INDICATION
COLOURED
PLUG (OPT)



PANEL
MOUNTIG



BOLTED
VERSION



CAMLOCK
MOUNTIG



AF FORK
COUPLING

ON-OFF flow



ON



OFF



ON

Continuous flow







Line Filters



AF FORK COUPLING

Key Points

Made of polypropylene, with gaskets in EPDM (Viton® on request)

Internal metal parts made of stainless steel AISI304

Filtering cartridges in polypropylene with mesh made of stainless steel AISI304 or polypropylene

Filters available in the version with or without discharge valve

Threaded GAS or NPT or fork couplings

Features

Working pressure	10 ÷ 50 bar	145 ÷ 725 psi
Flow rate	55 ÷ 280 l/1'	15 ÷ 74 USG pm
Sizes	1/2" ÷ 1" 1/2	Fork (up to AF5)
Filtering cartridges	32 ÷ 100 Mesh	

Suction Filters



AF FORK COUPLING

Key Points

Made of polypropylene or brass, with gaskets in EPDM (Viton® on request)

Internal metal parts made of stainless steel AISI304

Filtering cartridges in polypropylene with mesh made of stainless steel AISI304 or polypropylene

Compatible with main filter manufacturers

Filters available in the version with or without discharge valve

Threaded GAS or NPT or fork couplings

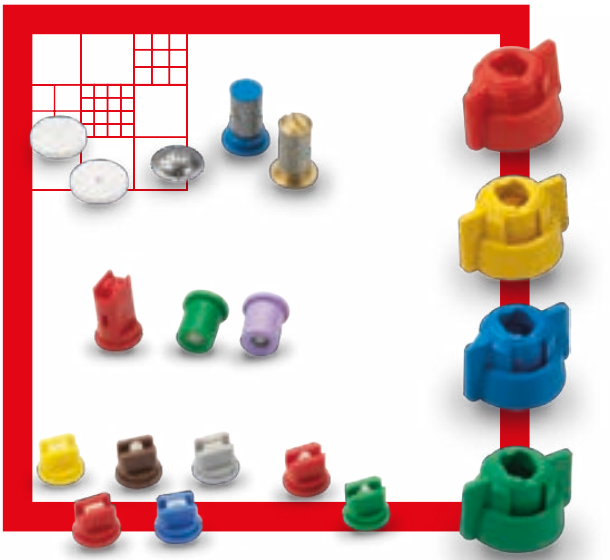
Features

Flow rate	60 ÷ 800 l/1'	16 ÷ 211 USG pm
Sizes	M (1" 1/4" ÷ 3)	Fork (up to AF9)
Filtering cartridges	16 ÷ 100 Mesh	

Different Fitting Option



Nozzles



POM and Ceramic

Key Points

Available in plastic, stainless steel, brass and ceramic material.

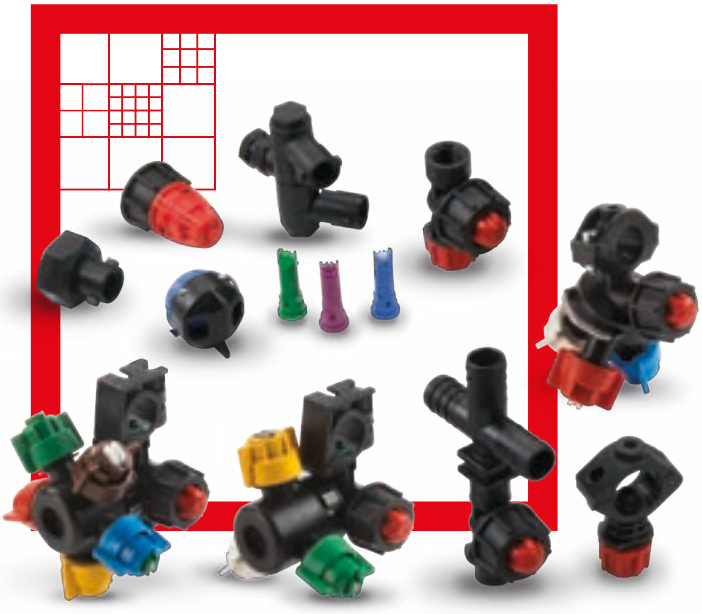
Compatible with all weeding machines

Features

Spraying angle	40° ÷ 150°	
Spraying pattern	flat fun / full cone / hollow cone	
Working pressure	10 ÷ 50 bar	145 ÷ 725 psi

Spray Nozzles Range catalogue
PNR Italy

Nozzle Holders



Key Points

Structure in Nylon® 66, with gaskets in EPDM (Viton® on request)and metal parts made of stainless steel AISI 304.

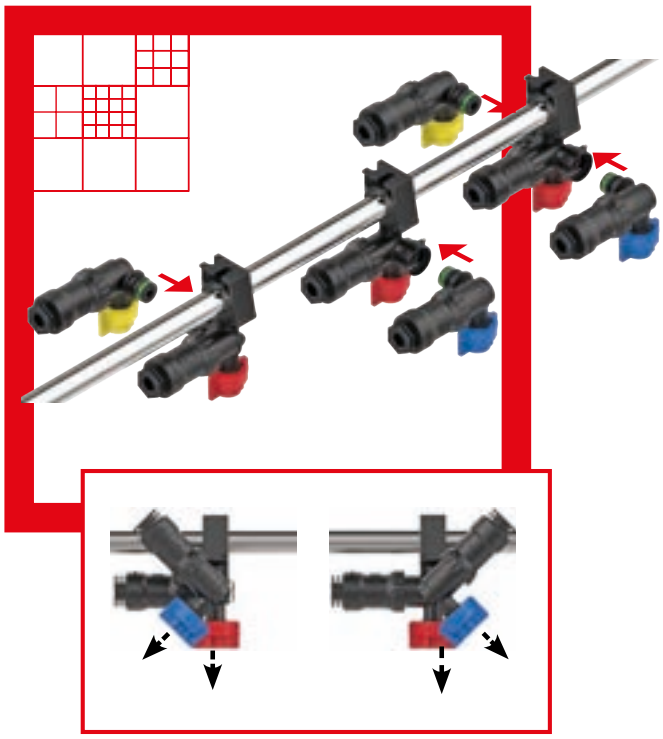
Available with or without check valve.

Nozzle filter made of polypropylene with mesh in stainless steel AISI 304 or polypropylene.

Features

Number of ways	1 ÷ 5
Pipe coupling	20 - 25 mm / 1/2" - 1"
Cap connection	3/8" - QUICK

Stackeable Nozzle Holders



Key Points

Modular assembly possible
on front and/or rear of boom

Tiltable:
ability to radially orient the seat of the nozzle

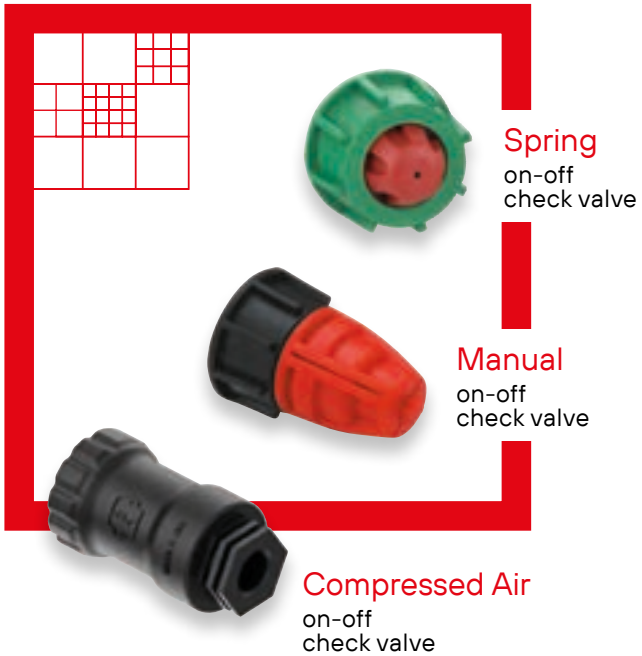
Control Options:
opening/closing of the individual
nozzle via compressed air, electrically,
or manually.

Possible to create different lines of nozzles
with independent controls

Configurable

Modular solutions for single nozzle control.

Check Valve Single Nozzle Controls



Key Points

Spring: ON-OFF Check Valve.

Manual: ON-OFF Check Valve.

Enables the user to close each single nozzle individually.

AACV - Air assisted check valve: The AACV air closing valve works as a pneumatic valve.

The air pressure is used to open the valve, while closing is performed by the spring.

It is available with EPDM or VITON® gaskets.

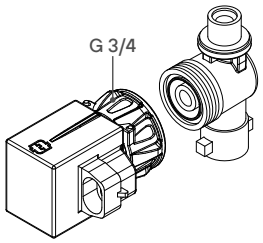
The valve is compatible with any nozzle holder in the catalogue.

Check Valve
Electric Single Nozzle Controls



ON-OFF
check valve - SACV

Mounting





Key Points

SACV - Solenoid assisted check valve

The SACV electric closing valve works as a solenoid valve.

The solenoid is used to open the valve, while closing is performed by the spring.

VITON® gaskets.

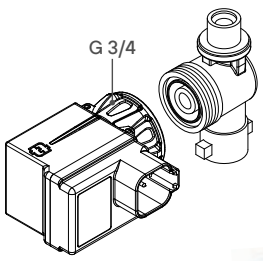
The valve is compatible with any nozzle holder in the catalogue.

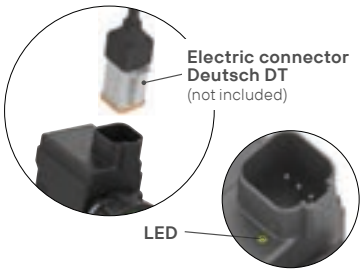
It can be used for the end of the nozzles of the boom, or as closure of a single nozzle and PWM controls.



CAN BUS
Flow Regulation PWM

Mounting







Key Points

Can Bus - Flow Regulation PWM

The PWM (Pulse Width Modulation) valve is an advanced solution for precise flow control in agricultural spraying systems.

Designed to ensure optimal liquid management, the valve allows continuous flow regulation, improving efficiency and reducing waste.

Thanks to PWM technology, the valve enables modulation of the liquid output, maintaining constant pressure and adjusting in real-time to variations in vehicle speed.

Benefits:

- Easy and quick replacement of wear parts, without tools.
- Universal gasket, compatible with all nozzle holders on the market.
- Automatic address assignement when the system is powered on.
- Dual color LED: power and address assignement (red LED on, when the LED turns green, the address is assigned.)
- Low current consumption thanks to the energy-saving feature.
- Embedded Electronic.

Tank Lids



Key Points

Lids are made of polypropylene,
with gaskets in EPDM (Viton® on request).

Metal parts in stainless steel AISI 304.

Basket filters made of polypropylene
with mesh in stainless steel AISI 304
or polypropylene.

Features

Hinged lids with ring	Ø 357 ÷ 457 mm	15" ÷ 19"
Lids with ring		
› closed	Ø 140 ÷ 620 mm	6" ÷ 24"
› labyrinth vent	Ø 140 ÷ 620 mm	6" ÷ 24"
Threaded lids F		
› closed	Ø 122 ÷ 435 mm	5" ÷ 17"
› with breather	Ø 60 ÷ 240 mm	3" ÷ 10"

Fittings



Key Points

Fittings and cam lever couplings
made of polypropylene reinforced with fibreglass.

Levers and rings made of stainless steel.

Gaskets in EPDM or VITON®.

BSP/NPT threads.

Features

Ø Hosetail	11 mm ÷ 76 mm (M/F)	1/8" ÷ 2"1/2
Threads	1/2" ÷ 3" (M/F)	
Camlock	3/4" ÷ 3" (M/F)	

Fittings



Key Points

Structure in brass, with gaskets in EPDM (Viton® on request) and parts made of stainless steel AISI304.

Available in the single, double and triple nozzle holder with or without check valve.
Pre-arranged to fit ceramic nozzles and steel cores.

Features

Fittings	1/4" ÷ 3/8" (M/F)
Nozzle seat	Ø15 mm - Ø18 mm
Nozzle lock	Threaded fly nut – QUICK head
Core kit	Ø15 mm - Ø18 mm

Accessories



Key Points

Structure in brass, casing in Nylon®, parts made of stainless steel AISI304.

Fixed and turning threaded fittings.

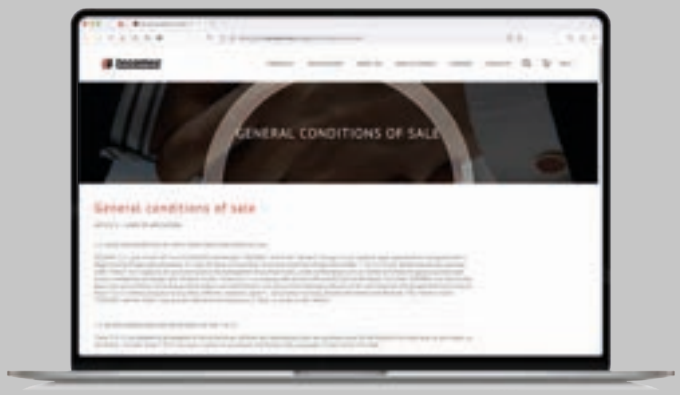
Ceramic nozzles.

Features

Fittings	G 3/8 ÷ G 1/2 - Ø10 mm	
Working pressure	15 ÷ 250 bar	218 ÷ 3626 psi

General Sales Conditions

Consult the general conditions of sale, on the Tecomec website, on the following page:
https://www.tecomec.com/en/general-conditions-of-sale



www.tecomec.com

This catalogue replaces any previous ones.

The information included in this catalogue simply intend to identify the product.

The user must choose and install the products according to the applicable laws and current safety regulation.

The products included in this catalogue are for the exclusive use of professional workers able to choose the right product, granting its better employment.

Pictures, dimensions, features and coding can be changed or modified without prior notice. The documentation available by our Technical Department offers the appropriate updating.

For more detailed information concerning features and use of the products included in this catalogue, please contact our Technical Department.

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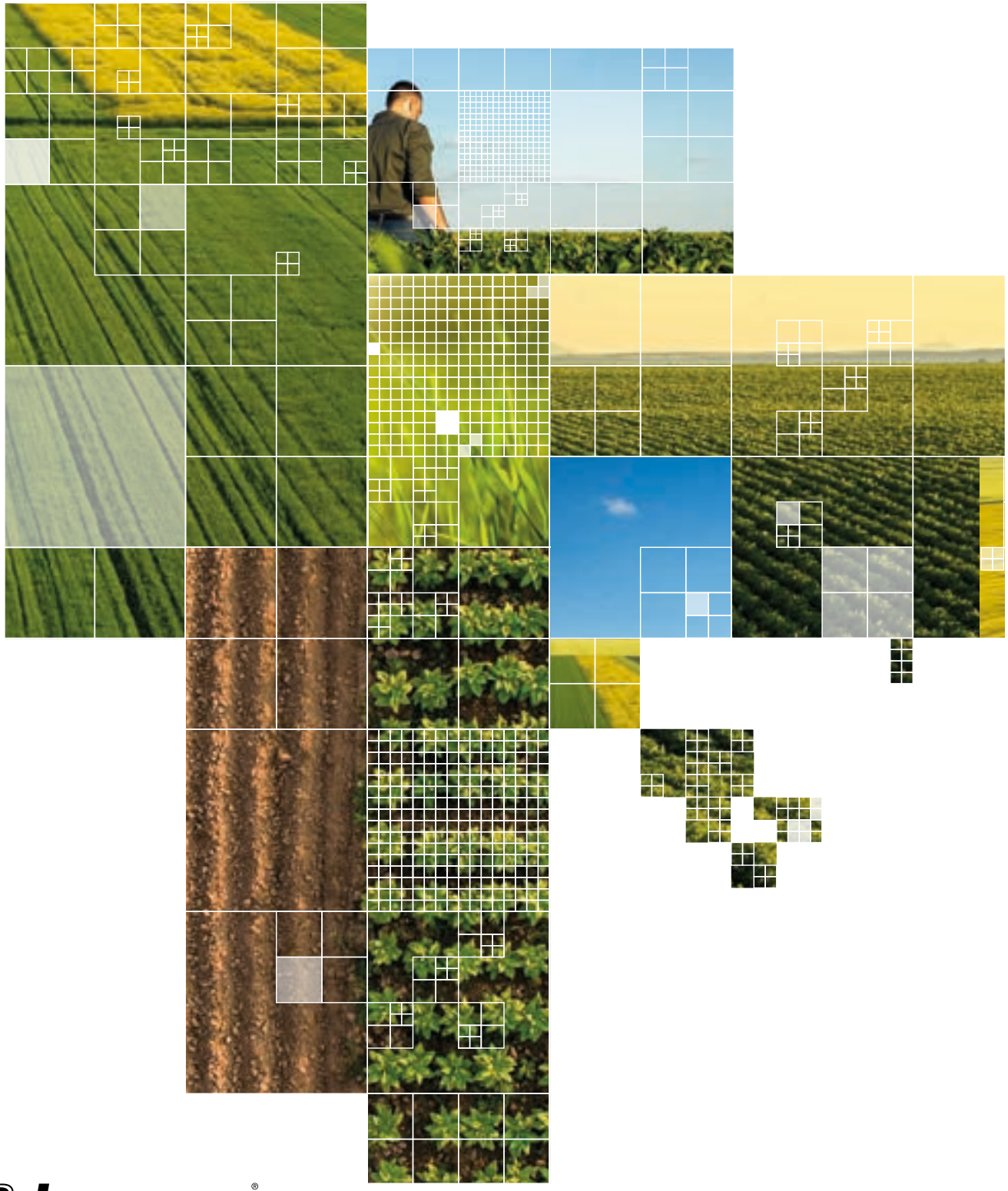

tecomec®

tecomec

Strada della Mirandola, 11
42124 Reggio Emilia - ITALY
TEL +39 0522 959001
salesdept@tecomec.com
WWW.TECOMEC.COM

Agres

Av. Com. Franco, 6720 - Uberaba
Curitiba - PR - Brasil
TEL +55 41 3132 - 3300
relacionamento@agres.com.br
WWW.AGRES.COM.BR

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