

FACA ROLLER® - TURBOMULCH® - SPEEDMULCH®



Agrisem Spirit

AGRISEM is a company born in France in the mid-90s, specializing in **the design, manufacture and sale of TCS tools for tillage, fertilization and sowing.**

Moreover, the STRIPCAT striptill and BOSS direct seed drills, developed in South-West of France by a farmer to meet his economic, agronomic and ecological needs, are now marketed by AGRISEM.

To maintain this spirit of customer-developed solutions, the company has set up a dedicated support team, ensuring that products evolve to meet the challenges of the sector.

Our main goal is to help the farmer get the most out of his most important tool: the soil.



The main innovations of AGRISEM revolve around the main objectives:

- **Surface work** to manage organic matter, soil fertility and seedbed preparation, we have designed a range of machines with this in mind: it's the MULCH range.
- **Deeper loosening** to obtain the best soil structure, without mineral loss, in order to give the plant the right growing conditions: it's the PLOW range.
- **Precision sowing** to plant crops in the best conditions, fertilize as accurately as possible using versatile tools: it's the SEM range.
- **Minimum tillage and conservation farming**, in the search for more sustainable solutions that respect resources : it's the range Conservation Farming.
- the adaptation of AGRISEM's agricultural expertise in tillage and seeding to viticulture: it's the vine range.

A team at your service

The AGRISEM service means being close to you!

Every day, we work to **better support you, anticipate your needs and simplify your work** thanks to ever more innovative machines.

From design to marketing, our teams continually strive to **develop tailor-made tools** for its customers.

Mutual trust and common values, this is how we see our collaboration.

Listening, advice and availability, the AGRISEM service means benefiting at all times from the expertise of a dense network and competent technicians.



The Agriculture of Tomorrow ...

Let nature have the power to do the job!

Composed of a team of enthusiasts, AGRISEM is committed to more responsible agriculture that respects the environment.

Our vocation is to improve your daily life by **developing ever more efficient and economical machines**.

Nature is our best ally for thinking, creating, nourishing and succeeding.

Together, let us look to the future and anticipate the challenges to be taken up in order **to build the world of Tomorrow**.

TOP SOIL MANAGEMENT



SOIL RESIDUE DISTRIBUTION



- Improve regularity
- Optimizing decomposition

WEED SEED STOCK MANAGEMENT



- Ultra-superficial stubble cultivation
- Optimum germination of grasses at depths of 1 to 3 cm
- Fast, economical solution for reducing seed stocks

COVER CROPS



- Broadcast seeding with front hopper
- Destruction by rolling or crushing

PEST MANAGEMENT



- Removal of slug eggs and distribution of straw «bundles» favourable to proliferation
- Disturbance of field mouse and vole populations
- Stubble crushing to facilitate predation by birds of prey

SEEDBED PREPARATION



- Promote draining/heating in spring before sowing
- Shallow cultivation to improve sowing quality

SOWING



- Broadcast seeding and ultra-fast coverage
- Sowing under live cover crop

MECHANICAL WEEDING



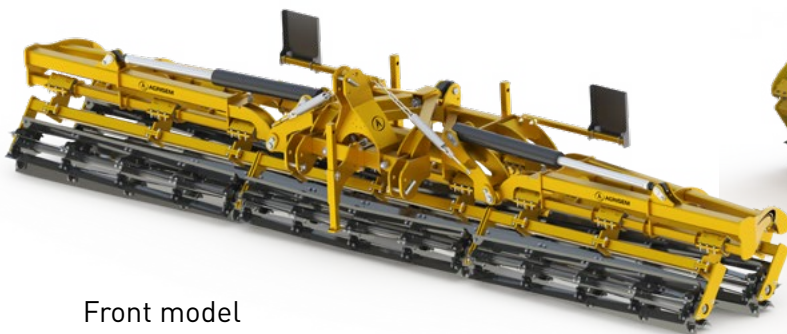
- Tilling on standing crop

FACA ROLLER

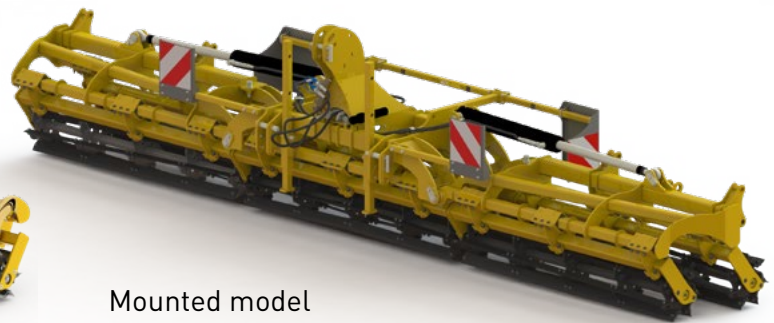
The FACA Roller AGRISEM is a machine dedicated to **chopping crop residues**, such as rapeseed or sunflower stalks, with an **impressive work rate and low power and fuel requirements**. It is also an effective solution for destroying intermediary cover crops.

The principle is based on the use of 2 small-diameter rollers, whose cutting capacity is created by the shape of the blades and the forward speed.

Thanks to the FACA Roller, residue decomposition is accelerated, making subsequent passes easier. It is also an effective means of destroying corn borer and sesamid larvae.



Front model



Mounted model



Self-directing hitch system on front-mounted model, ensuring free guidance by the tractor

Chopper roller Ø380 mm :

- Aggressive 8-blade rollers
- Interchangeable knives 80 mm width 480 mm
- Waterproof roller bearings Ø50 mm
- Each roller is independently suspended on elastomeric shock absorbers



Suspended mounting:

- Each roller is independent and connected to the chassis by triangular elastomer shock absorbers.
- Double row 520mm spacing
- Bearing offset between rollers for full-width residue cutting

FACA Roller XL

- Trailed model with hydraulic folding
- Large-diameter roller (Ø840mm / Ø610mm tube), capable of pressing the most developed plant cover to the ground
- Water ballast available to increase support force.
- Cushioned roller bearings on Silent-Blocs



TURBOMULCH

The Turbomulch is the new range of stubble harrows developed by AGRISEM for **surface residue management**.



The Turbomulch appears to be the fastest and most economical way **to promote rapid weed emergence**, to **distribute and accelerate the decomposition of crop debris** and to **reduce the slug population after harvest**.

All these benefits are linked to the machine's strengths, such as :

- High work rate
- Low fuel consumption
- Reduced herbicides use



Features :

- Ø16x 760 mm combs in 5 rows
- Parallelogram-mounted with continuously variable hydraulic aggressiveness adjustment
- The aggressiveness of the last 2 rows can be increased or reduced separately:
 - Better fluidity in the presence of large quantities of residue
 - More intensive blending for finishing



Roller cutter

More intense residue cutting with the roller cutter.

- Shredding residues
- Ground cover for destruction
- Hydraulic pressure ground support with nitrogen ball
- Ø380 Roller
- Available as an option on models 6,20 m - 7,30 m - 8,60 m



TURBOMULCH EXTRA



With the Turbomulch Extra, AGRISEM offers an exclusive machine that incorporates the functions and equipment of the other Turbomulch models, but with additional features that **enhance performance and capacity**, for **more versatility** and **work intensity** than a simple straw harrow.

In fact, the work of the combs is completed at the front by :

- Either two rows of Turbo profile discs to vertically fissure the surface of the soil and project the earth in order to combine a superficial false seeding with the work of distributing and decomposing residues.
- Two cutter rollers for efficient cutting of rigid crop residues such as rapeseed, sunflower or corn stalks.





Consistent performance over the hectares with tungsten carbide equipment

Available as an option on all Turbomulch models, carbide inserts on the tines ensure even working power over time, without altering the tine tip angle.

In addition, AGRISEM has chosen to embed the inserts in the tine profile, so as not to impair the fluidity and glide of the straw along the combs.

Double row of Turbo profile discs Ø 400mm for shallow false seeding :

- Tangential undulations for good soil penetration and projection
- High speed rotation
- Slight angles of attack and entry amplify the swelling
- Mounted on triangular elastomer shock absorbers and maintenance-free waterproof hubs inherited from Disc-O-Mulch



Double chopping roller Ø380 mm for efficient cutting of residues and ground cover :

- Features identical to FACA Roller
- Greater versatility for managing debris from all crops and plant cover crops
- 5 rows of hydraulically adjustable Ø16x760 mm combs



SPEEDMULCH COMPACT



Thanks to its two rows of small-diameter Turbo discs, the Speedmulch Compact is an innovative concept for ultra-superficial soil cultivation at very high speeds, to effectively manage the decomposition of crop residues, plant cover and weeds.

It offers a completely new way of reasoning about stubble ploughing, thanks to a very high work rate, with low power and fuel requirements, whose efficiency is increased tenfold by the succession of passes, encouraging false seeding and straw decomposition





A concept that encourages expansion of fine soil



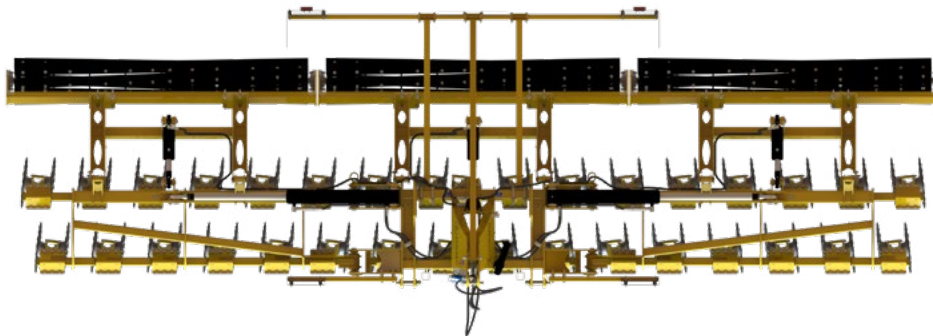
Vertical ripples at the entrance for penetration

Horizontal output ripples for projection

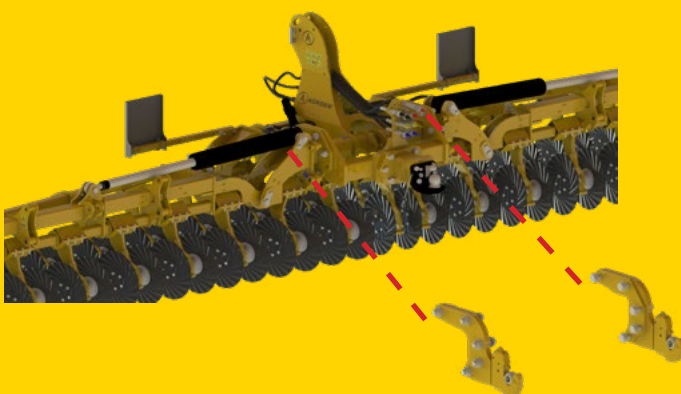


Turbo discs Ø400 mm :

- Leading and trailing angles (6° and 4° respectively)
- Amplified fertilization thanks to high feed speed (15 to 20 Km/h), disc shape and high rotation speed
- Suspended on triangular elastomer shock absorbers
- Hydraulic-pressure rear cutter roller for ground levelling and residue cutting



The Speedmulch compact is also available with a twin push/pull attachment, as well as a rear attachment for trailed machines. This allows it to be combined with, for example, a TCS seed drill, for improved levelling and capacity in plant residues.



Specifications

Faca roller®

SPECIFICATION	FACA ROLLER XL			
	Rigid models		Folding model	Trailed model
Working width (m)	3	3,5	6	6,5
Transport width (m)	3	3,5	3	-
Weight (~kg)	1 150	1 240	2 230	2 850
Power min. (~HP)	60	70	120	120
Number of blades (pcs)	84	98	168	360

Speedmulch® Compact

SPECIFICATION	Folding models		
	Working width (m)	6	7,5
Transport width (m)	3	3	3
Weight (~kg)	1 955	2 150	2 750
Power min-max (~HP)	130 - 180	145 - 195	180 - 230
Number of discs (pcs)	53	65	81

Turbomulch®

SPECIFICATION	Folding models				
Working width (m)	6,20	7,30	8,60	9,80	12,25
Transport width (m)	3	3	3	3	3
Weight (~kg)	1 868	1 968	2 196	3 245	3 570
Weight with cutter roller (~kg)	2 765	2 978	3 391	-	-
Power min-max (~HP)	130 - 180	140 - 190	150 - 200	180 - 230	225 - 275
Number of tines 16x760 (pcs.)	100	120	140	160	200

Turbomulch® Extra

SPECIFICATION	Folding models		
Working width (m)	6	7,5	9
Transport width (m)	3	3	3
Weight (~kg)	3 650	4 000	4 690
Power min-max (~HP)	3 250	3 560	4 175
Number of discs (pcs)	130 - 180	145 - 195	180 - 230
Nombre de dents 16x760 (pcs.)	100	124	148
Nombre de couteaux (Version double rouleau Cutter)	168	196	252
Nombre de disques (Version disques)	53	65	81



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