

*Vineyard tillage range*



**The Professional's choice**



- Fissurating and crop-growing at the same time
- Homogeneous soil loosening on the entire width
- No disturbance of horizons
- Patented blade with retracted point

	Width (≈ m)	1,20	1,50	1,70	2,20
	Weight (≈ kg)	235	310	320	365
	Power req. min-max (≈ hp)	50 - 80	60 - 90	60 - 90	70 - 100
	Number of blades TCS 15x550	2	3	3	4
	Number of blades TCS 20X590	3	4	4	5

TCS 20x590 BLADES

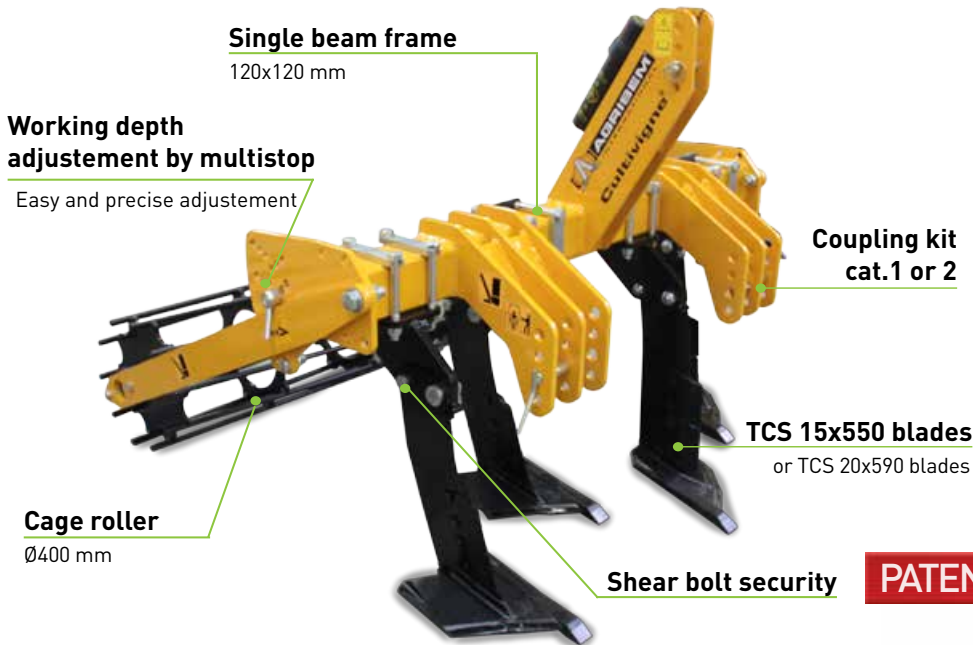


TCS 15x550 BLADES



- ≈ 3 blades / m
- Cracking 10-25 cm
- Carbide leading edge and ploughshares
- Removable ploughshares

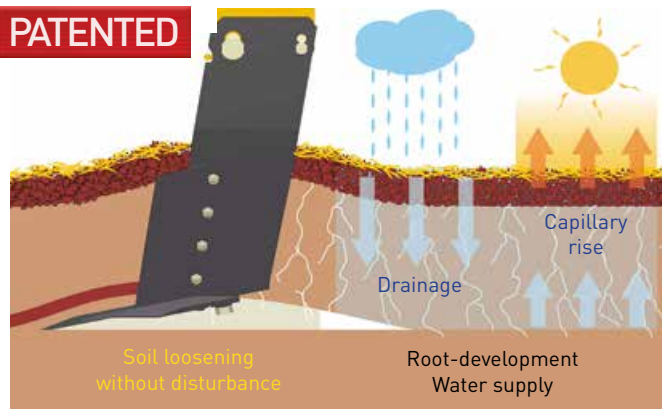
- ≈ 2 blades / m
- Soil loosening 10-25 cm
- Carbide ploughshares
- Removable ploughshares

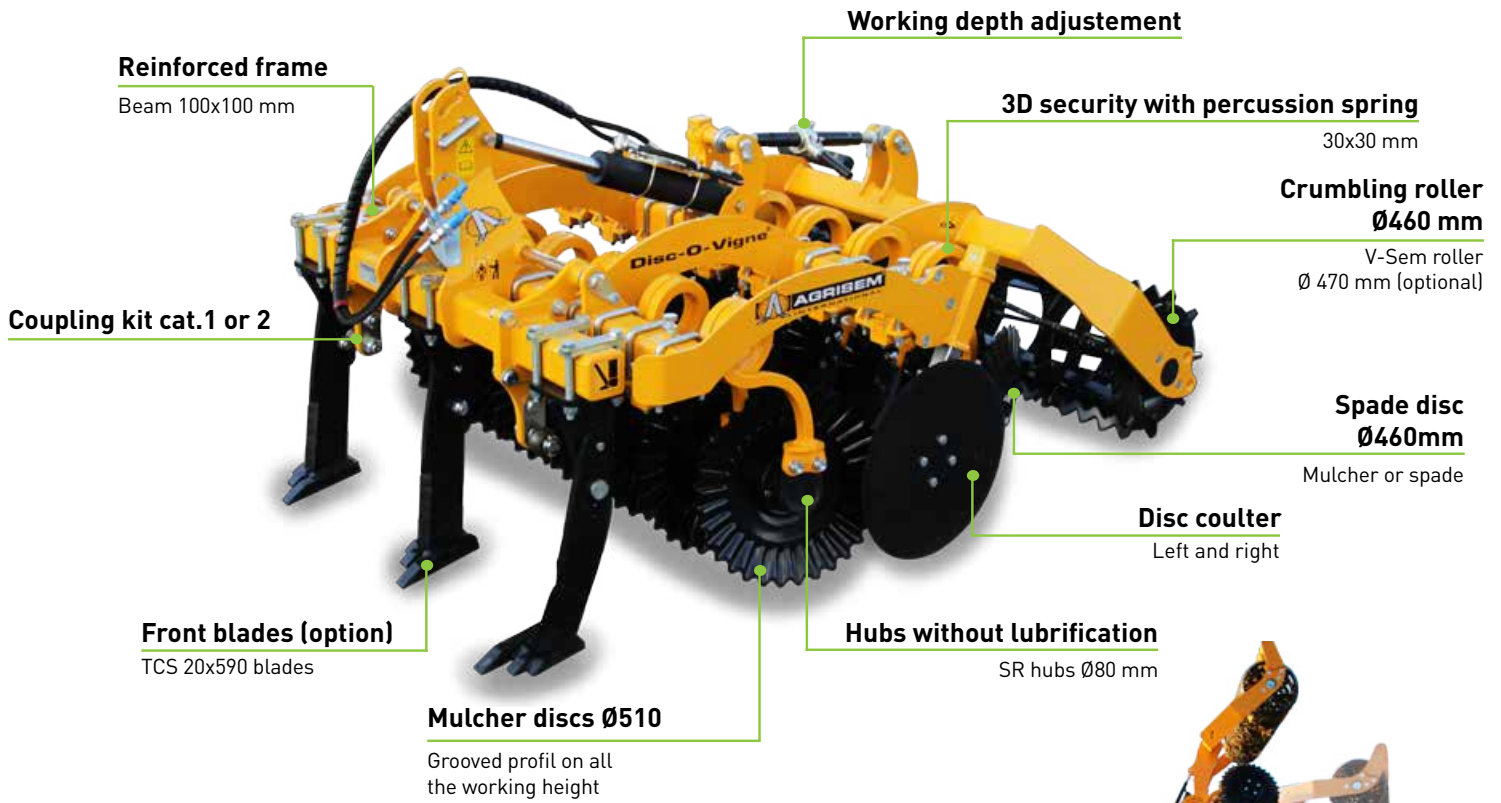


- Vertical cracking by creation of a wave
- Better roots development
- Facilitates crop growing and capillary rises
- Without creation of clods

	Width (≈ m)	1,20	1,50	1,70	2,20
	Weight (≈ kg)	310	340	370	430
	Power req. min-max (≈ hp)	55 - 90	60 - 95	65 - 100	70 - 110
	Number of blades TCS 15x550	2	3	3	4
	Number of blades TCS 20X590	3	4	4	5

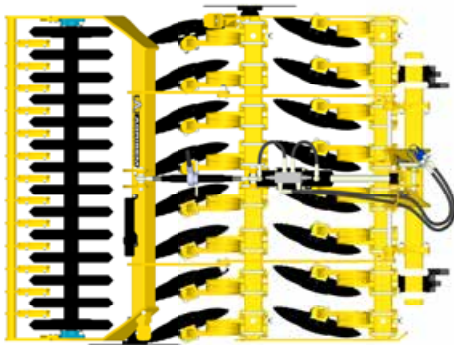
**PATENTED**





**Hydraulic folding of roller**

	Working width (≈ m)	1,00	1,20	1,50	1,70	2,20
	Transport width (≈ m)	1,20	1,40	1,70	1,90	2,40
	Power req. min-max (≈ hp)	40-80	50-90	55-95	60-100	70-110
	Weight (≈ kg)	750	840	940	1 020	1 200
	Weight (≈ kg) with 3 front blades	-	940	1 050	1 120	1 300
	Number of discs Ø510 mm	10	12	14	16	20



- Disc disposition in V
- Homogeneous work on the entire width
- Usable all the year

### 3D security with percussion spring



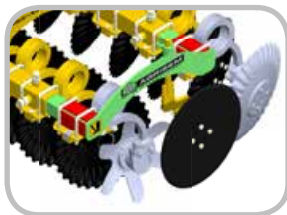
- Important soil penetration
- Quality of work
- Maintenance free

## Options



**1 to 3 front blades**

- Stabilizes the machine at work
- To loosen the soil where the tractor wheels (2 lateral blades) and/or hight tractor clearance (1 central blade) are passed



**Extension kit**

With 4 discs (2 on each side) to increase initial working width of 46 cm and to work in different inter-rows



**V-Sem roller Ø470**

- Vertical deep pressing
- Suitable for every type of soil
- Scrapers

### Regular work

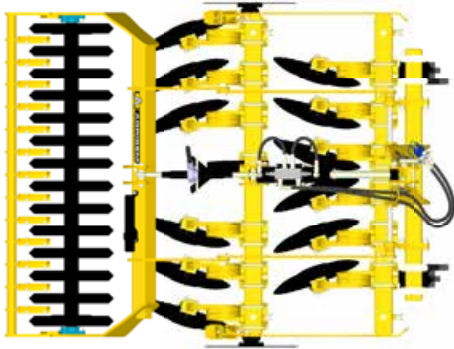


- Homogeneous work on the entire width
- Perfect weed control between rows
- Crumbling and levelling the soil



**Hydraulic folding of roller**

	Working width (≈ m)	1,00	1,20	1,50	1,70	2,20
	Transport width (≈ m)	1,20	1,40	1,70	1,90	2,40
	Power req. min-max (≈ hp)	40-80	50-90	55-95	60-100	70-110
	Weight (≈ kg)	640	720	830	910	1 090
	Weight (≈ kg) with 3 front blades	-	820	930	1 010	1 190
	Number of discs Ø510 mm	6	8	10	12	16



- Disc disposition in X
- Symmetric work disc angle
- Stability of the machine

### Disque MULCHEUR

Grooved profile on all its working height



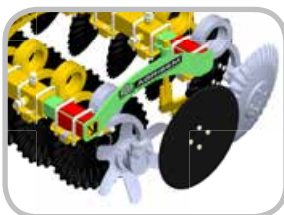
- Maximum mincing of crops
- Self-cleaning in wet conditions
- Unchanged working quality with the wear of the disc

## Options



### 1 to 3 front blades

- Stabilizes the machine at work
- To loosen the soil where the tractor wheels (2 lateral blades) and/or hight tractor clearance (1 central blade) are passed



### Extension kit

- With 4 discs (2 on each side) to increase initial working width of 46 cm and to work in different inter-rows



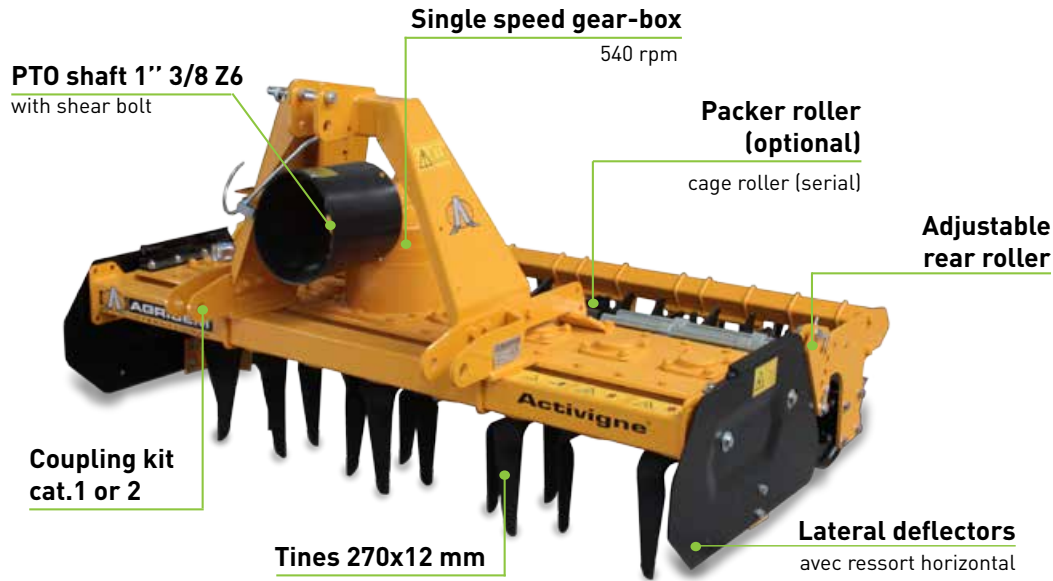
### V-Sem roller Ø470

- Vertical deep pressing
- Suitable for every type of soil
- Scrapers

### Vitesse de travail élevé



- Stability of the machine
- Intensive mix of weed
- Central disc on the second row

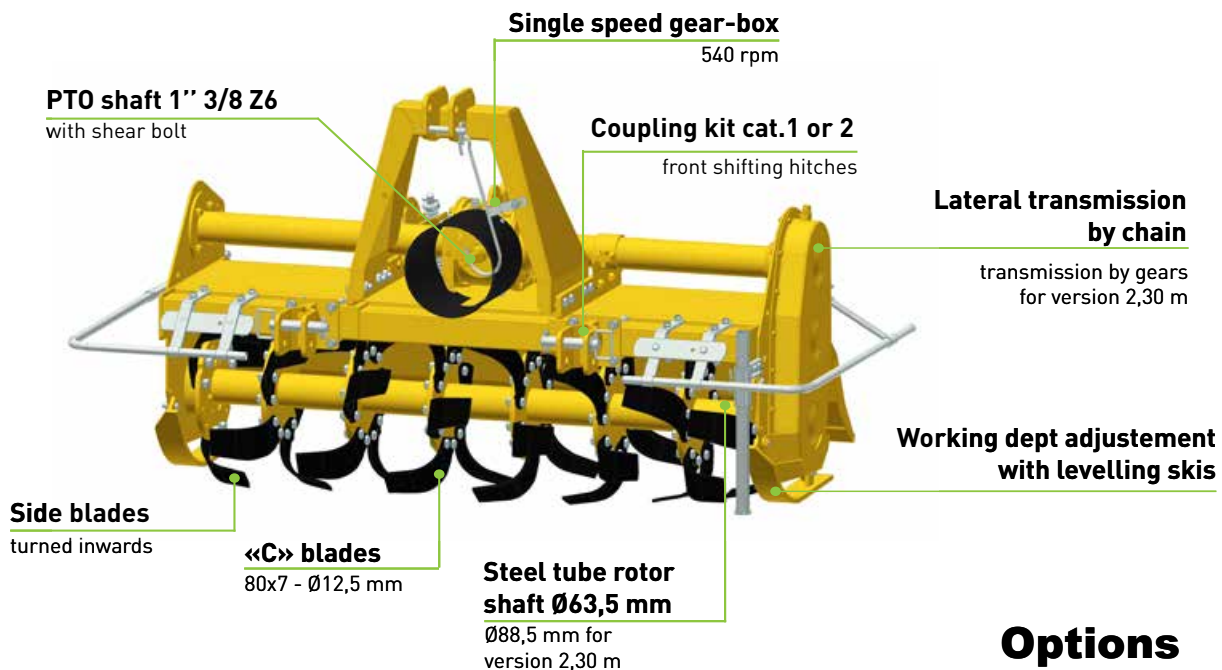


- Intensive work of soil
- Perfect crumbling and levelling of soil
- Usable on light soil or in wet and heavy soil

### Options

- PTO shaft with slip clutch
- PTO shaft with cam clutch
- Levelling bar
- Multi speed gear box at 540 rpm : 293 - 358 rpm
- Stone protection
- Packer roller Ø406 mm

	Working width (≈ m)	1,08	1,48	1,68	1,88	2,26
	Transport width (≈ m)	1,13	1,53	1,73	1,93	2,35
	Weight (≈ kg)	350	405	440	480	735
	Power req. min-max (≈ hp)	30 - 80	50 - 80	60 - 80	70 - 80	65 - 100
	Number of tines	10	14	16	18	22
	Cage roller diameter (mm)	370	370	370	370	405



	Working width (≈ m)	1,30	1,59	2,31
	Transport width (≈ m)	1,48	1,74	2,45
	Weight (≈ kg)	330	470	590
	Power req. min-max (≈ hp)	30-70	50-90	70-90
	Number of blades	30	42	60

### Options

- PTO shaft with slip clutch
- PTO shaft with cam clutch
- Multi speed gear box at 540 rpm : 237-168-133-300 rpm
- Cage roller Ø405 mm

## Soil preparing tools Blade / Disc combinations

Hydraulic working  
depth ajustement

Hydraulic folding of roller

**Beam 120x120 mm**

to support blades

**Beam 100x100 mm**

**Lateral deflectors**

**TCS 20x590 blades**

shear bolt security







**Mulcher discs Ø560 mm**

with SR hubs without lubrication

**3D security with  
percussion spring**

30x30 mm

**Coupling kit cat.1 or 2**

	Working width (≈ m)	<b>1,20</b>	<b>1,70</b>	<b>2,20</b>
	Transport width (≈ m)	1,40	1,90	2,40
	Weight (≈ kg)	1 010	1 220	1 440
	Power req. min-max (≈ hp)	70 - 110	80 - 120	90 - 130
	Number discs	10	14	18
	Number of blades TCS 20X590	2	3	4



Hydraulic folding of roller



- 2 working operation in one pass
- Intensive mix of weeds in the soil surface
- Deep soil loosening
- Better roots developpement
- No disturbance of horizons



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