



## TONUTTI: FARM MACHINERY INDUSTRIES

TONUTTI has been manufacturing farm machinery since 1864. During these more than 140 years of its history, Tonutti has developed and patented many practical and revolutionary inventions.

Today, Tonutti offers a complete line of haymaking equipment including a number of very innovative pieces of equipment, such as a new generation of finger wheel rakes.

As a leading international manufacturer of finger wheel rakes, Tonutti is the supplier of many well known OEM customers.

The Tonutti group currently employs more than 300 people with 4 manufacturing plants in Italy, 1 in Russia and, for the last 20 years, a Distribution and Service Center in the USA.

Being an ISO 9001-Vision 2000 certified company, Tonutti's quality standards are guaranteed to be of a high level.

At present the Tonutti group is run by the 4th and 5th generation of the Tonutti family who have made it one of the world's leading manufacturers of hay line equipment.



### The new generation of Finger Wheel Rakes.

Every farmer is well-acquainted with the small in-line finger wheel rakes of the past. With the exception of our customers located throughout the North American continent, many farmers are unaware of the fact that Tonutti continues to manufacture and develop finger wheel rakes and that today they offer the most innovative line of finger wheel rakes in the world with machines up to 12 meters working width and 20 finger wheels.

Tonutti's knowledge that its finger wheel rakes are by far the best, fastest and least expensive answer for raking all kinds of forage, has led it to make the following choice. In those situations where the terrain for finger wheel rakes is too steep, narrow or has a shape that is "difficult to work" - for example in mountain areas - we offer an alternative solution with our series of "One Rotor Rotary Rakes" that provide a working width up to 4.5 meters.

For most other terrain throughout the world, the new generation of finger wheel rakes with working width of almost 12 meters is the best choice for many reasons.

### COMPARISON OF TONUTTI FINGER WHEEL RAKES VERSUS ROTARY RAKES

TONUTTI FINGER WHEEL RAKES	ROTARY RAKES
<b>WORKING SPEED:</b> Very high, 20 - 30 km/h	Around 10 km/h
<b>FORAGE QUALITY OF THE WINDROW:</b> Even delicate forage like alfalfa will be pushed gently into a loose and fluffy windrow (no rope-like swath), without destroying any leaves to retain their high nutritional value. Long and flexible tines and independent spring supported wheels adapt perfectly to the ground and guarantee a soft treatment of even fragile forage keeping the windrow very clean.	Due to high rotation speed and less flexible tines, leaves of delicate forage are damaged easily and stones and other dirt are thrown into the windrow. On uneven parts of the ground especially large rotary rakes risk digging into the terrain and tearing away all growth in that area.
<b>TOTAL COSTS :</b> Very low, because of low initial price, low maintenance costs, low tractor costs and long life time.	Very high because of higher initial costs, high maintenance and tractor costs and a short life time.
<b>INITIAL PRICE:</b> The Tonutti Finger Wheel Rakes cost from half to a quarter the price of a Rotary Rake.	Rotary Rakes are much more expensive because technically more complicated.
<b>MAINTENANCE COSTS:</b> Very low because the finger wheels are powered by touching the ground without any transmissions or cams.	Rotary Rakes are expensive to maintain because of their cams and transmission shafts.
<b>OPERATING LIFE-TIME:</b> A life time because machines consist of very simple parts which do not wear out quickly and can be easily replaced at a low price.	Relatively low life time because of complicated technical parts like cams and transmission shafts which wear out quickly.
<b>TRACTOR COSTS:</b> Tonutti Rakes only need tractors of maximum 40 - 60 hp.	Rotary Rakes need very powerful tractors of up to 120 hp.



### MILLENNIUM SERIES Finger Wheel Rakes

The Millennium is the largest in size series of Rakes produced by Tonutti with working width up to 11.70 meters and up to 20 finger wheels. Its heavy, stable and flexible structure works on inclines, hills and also very rough and uneven terrain. The setting of the windrow width is carried out by simply adjusting the last two finger wheels using the regulating screw crank. These rake wheels are independently adjustable by means of an (optional) electronic device directly from the tractor seat. The independently spring loaded finger wheels also follow perfectly the contour of difficult terrains. Especially delicate forage like alfalfa is pushed gently into a loose and fluffy windrow without destroying any leaves so that its high nutritional value is maintained. The Millennium is the ideal machine for medium-sized to even very large farms and is suitable for all kinds of forage, including straw, from simple to difficult terrain and from flat land to hilly and inclined terrain.

Available as an optional: Center Wheel Kit, Windrow Adjustment Electronic Device Kit, Wind Shield Kit.

Model	Raking Wheels		Working Width		Windrow Width		Tractor	
	N°	Feet	Cm	Feet	Cm	Kw	Hp	
V16 4GW	16	32'	960	3' - 6'	90-180	29,8	40	
V18 7GW	18	35' 4"	1060	3' - 6'	90-180	44	60	
V20 7GW	20	39'	1170	3' - 6'	90-180	44	60	



### DOMINATOR SERIES Finger Wheel Rakes

This new revolutionary concept V Rake is an extremely robust and flexible Pull Type Rake suitable for all kinds of forage. Its heavy, stable and flexible structure makes it suitable for working all types of terrains. Windrow width is set by simply adjusting the last two finger wheels using their regulating screw crank. It is also possible to "off set" the windrow by 20" to the left or right as required. The independently spring loaded finger wheels also follow perfectly the contour of difficult terrain. Especially delicate forage like alfalfa is pushed gently into a loose and fluffy windrow without destroying any leaves so that its high nutritional value is maintained. The Dominator is the ideal, high-flexibility machine for medium-sized sized farms and all kinds of forage.

Available as an optional: Center Wheel Kit, Supplementary Front Wheel Kit, Wind Shield Kit.

Model	Raking Wheels		Working Width		Windrow Width		Tractor	
	N°	Feet	Cm	Feet	Cm	Kw	Hp	
V10 4GW	10	21' 8"	650	3' - 6'	90-180	22,4	30	
V12 7GW	12	25'	750	3' - 6'	90-180	22,4	30	
V14 7GW	14	28' 4"	850	3' - 6'	90-180	22,4	30	



### T-4GW Series Inline Finger Wheel Rakes

This series of in-line pull type rakes with special ribbed ground wheels has a heavy duty design to work in the most difficult conditions such as uneven, stony and inclined terrain. For this reason all versions are equipped with a flexible frame which adapts to ditches or other very uneven ground conditions. The version with 11 finger wheels can be extended at any time by an additional frame consisting of 2 finger wheels in order to obtain a total of 13 finger wheels. The independently spring loaded finger wheels perfectly follow the contour of all terrains. Especially delicate forage like alfalfa is pushed gently into a loose and fluffy windrow without destroying any leaves so that its high nutritional value is maintained. This machine is particularly suitable for gathering straw thanks to the ease of raking more than one windrow simultaneously.

Model	Raking Wheels		Working Width		Tractor	
	N°	Feet	Cm	Kw	Hp	
T11 4GW	11	24' 4"	730	22,4	30	
T13 4GW	13	28' 4"	850	22,4	30	

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Always one step ahead®



### T-3GW Series Inline Finger Wheel Rakes

This in line series pull type rake with 3 ground wheels has been designed to work in all raking conditions including reduced dimension terrains. This machine makes it possible to group more than one windrow thus reducing the baler's runs on the field. Its working width permits accuracy and high speed while maintaining the excellent performance results typical of Tonutti finger wheel rakes.

Model	Raking Wheels		Working Width		Tractor	
	N°	Feet	Cm	Feet	Kw	Hp
T6 3GW	6	13' 8"	410	22,4	30	
T9 3GW	9	20' 2"	605	22,4	30	



### RAPTOR 2GW SERIES Finger Wheel Rakes

The Raptor V Series with 2 ground wheels and 8 or 10 finger wheels is a new generation of low cost easy-to-handle rakes. The windrow width is easily adjustable simply by regulating the last two finger wheels on the machine with its crank. This rake type has an infinity of working widths which vary from the transport position to its maximum working width of 5.85 m (19' 6"). All finger wheels are independently spring loaded and each follow the contours of the ground perfectly. It is also the ideal machine for small fields thanks to its easy manoeuvrability behind the tractor.

Model	Raking Wheels	Working Width		Windrow Width		Tractor	
		Feet	Cm	Feet	Cm	Kw	Hp
V8 2GW	8	16' 10"	504	4' - 6'	120-180	15	20
V10 2GW	10	19' 6"	585	4' - 6'	120-180	15	20



### RCS SERIES Carted Finger Wheel Rakes

An inexpensive carted rake with working width from 5.90 m (19' 8") to 7.30 m (24' 4") with 8, 10 or 12 finger wheels. An hydraulically controlled mechanism converts the machine from transport to work position in only a few seconds. The working width and the angle of the fingerwheels are easily adjustable to requirements based on the type and conditions of the forage.

Available as an optional: Center Wheel Kit.

Model	Raking Wheels	Working Width		Windrow Width		Tractor	
		Feet	Cm	Feet	Cm	Kw	Hp
RCS 8	8	19' 8"	590	3' - 5'	90-150	15	20
RCS 10	10	22'	660	3'6" - 6'	110-180	15	20
RCS 12	12	24' 4"	730	3'6" - 6'	110-180	19	25



### GR SERIES Rotary Rakes

TONUTTI rotary rakes are especially designed for raking on terrains with difficult shapes, extreme inclines and mountain areas--all areas inaccessible to a finger wheel rake. Strength, speed and versatility combined with the variety of models, make our GR series rotary rakes ideal for use in all types of crops. TONUTTI rotary rakes gently sweep the crop, even getting to the hard-to-reach corners on irregularly-shaped fields. The GR series is produced with such high quality components as oil bath gearbox, telescopic linkage and high resistant steel springs. TONUTTI rotary rakes come in 3 basic versions with 8, 9 and 11 arms and up to 4.5m (15') working width.

Model	N° Rotors	N° Arms Rotors	Working Width		3-P Category	Tractor	
			Feet	Cm		Kw	Hp
GR300	8	3	10'	300	I - II	15	20
GR350	9	3	11' 8"	350	I - II	15	20
GR385	11	4	12' 10"	385	I - II	19	25
GR450	11	4	15'	450	I - II	22,4	30



### FD-J/FBR SERIES Sickle Bar Mowers

TONUTTI sickle bar mowers are designed for all types of crops and for use in almost all conditions. This TONUTTI mower features a double action that simultaneously moves the two blades to produce a good scissors cut of the crop. TONUTTI sickle bar mowers with the double action, offer higher operating speeds and more resistance to clogging than conventional mowers. TONUTTI sickle bar mowers are efficient, easy to operate and produce a smooth, clean cut.

TONUTTI sickle bar mowers come in 6 versions:  
**FD-J 120/135/150** for small tractors  
**FBR 145/175/205** for standard tractors

Model	Working Width		3-P Category	Tractor	
	Feet	Cm		Kw	Hp
FD-J 120	4'	120	I	9	12
FD-J 135	4' 6"	135	I	9	12
FD-J 150	5'	150	I	9	12
FBR 145	4' 10"	145	I - II	19	25
FBR 175	5' 10"	175	I - II	19	25
FBR 205	6' 10"	205	I - II	19	25



### MC SERIES Mower Conditioner

The new TONUTTI mower conditioner has been designed to achieve faster cutting and subsequent drying and therefore help reduce the risks caused by bad weather conditions and also guarantee an excellent product of very high quality. Both the cutter bar and frame are reinforced to make the TONUTTI mower conditioner efficient and reliable for working all types of forage. The TONUTTI mower conditioner is produced in two versions: with helical rubber roll or finger tines. The TONUTTI mower conditioner is a heavy duty mower specially designed for use in large fields and in heavy conditions, giving a final result of soft and well aired Windrow with the nutritional richness and value of the crop fully preserved.

Model	N° Discs	N° Knives Discs	Working Width		Tractor	
			Feet	Cm	Kw	Hp
MC 2500	6	12	8' 2"	245	44	60
MC 2900	7	14	9' 6"	285	59	80



### RAPTOR 4GW SERIES Finger Wheel Rakes

The Raptor V Series with 4 ground wheels available with 10 or 12 finger wheels is a new low cost solution for medium-to-large sized cultivated areas, including inclines. The windrow width is easily adjustable using the cranks on the last two finger wheels on the machine. The rakes included in this series have an infinity of working widths which vary from the transport position to its maximum working widths of 6.73 m (22' 5"). All finger wheels are independently spring loaded and each adapts perfectly to the contours of the ground. The machine may be equipped with a convenient Center Wheel Kit that also permits dividing of the windrows aligned with the machine.

Available as an optional: Center Wheel Kit.

Model	Raking Wheels	Working Width		Windrow Width		Tractor	
		Feet	Cm	Feet	Cm	Kw	Hp
V10 4GW	10	19' 6"	585	4' - 6'	120-180	22,4	30
V12 4GW	12	22' 5"	673	4' - 6'	120-180	22,4	30



### EAGLE SERIES Finger Wheel Rakes

A revolutionary new TONUTTI concept for carted finger wheel rakes. All raking wheels are positioned on the internal side of the frame for better performance even on large quantities of forage and for easier transportation. The high ground clearance of the raking wheels is an advantage when crossing ditches, humps and other obstacles. Apart from being adjustable in height the drawbar of the TONUTTI Eagle series is also variable in length to adjust to the tractor. A very flexible machine for the modern farmer with up to 10 wheels and a maximum working width of 7.00 m (23').

Available as an optional: Center Wheel Kit.

Model	Raking Wheels	Working Width		Windrow Width		Tractor	
		Feet	Cm	Feet	Cm	Kw	Hp
EAGLE	10	23'	700	3'6" - 6'	110-180	15	20



### P SERIES Three Point Hitch Finger Wheel Rakes

A very simple and effective solution with high working capacities for small- and medium-sized farms. Working width up to 3.47 m (11' 7") with 2 to 6 finger wheels. The inline working rake adapts perfectly to different types and quantities of forage.

Model	Raking Wheels	Working Width		Tractor	
		Feet	Cm	Kw	Hp
P2 T	2	4'	122	15	20
P3 T	3	6'	183	15	20
P4	4	7' 77"	228	19	25
P5	5	9' 55"	282	19	25
P6	6	11' 7"	347	22,4	30



### GT SERIES Hay Tedders

TONUTTI offers a wide choice of hitched or towed tedders which are designed for spreading and turning all types of forage crops on flat or hilly terrain. TONUTTI tedders come in 3 basic versions with 2, 4, and 6 rotors and in many sizes up to 6.60 m (22').

Model	N° Rotors	N° Arms Rotors	Working Width		3-P Category	Tractor	
			Feet	Cm		Kw	Hp
GT310	2	6	10' 4"	310	I - II	11	15
GT380	4	4	13' 2"	395	I - II	15	20
GT440	4	6	14' 10"	445	I - II	15	20
GT500	4	6	17' 3"	517	I - II	15	20
GT540	4	6	19' 4"	580	I - II	15	20
GT660	6	6	22'	660	I - II	22,4	30



### DMP SERIES Disc Mowers

TONUTTI disc mowers have been developed to assist the farmer in producing crops high in nutritional quality and value. TONUTTI disc mowers offer high-speed operation, non-clogging cutter bars, wear-resistant materials and high quality steel knives for a uniform and even cut. TONUTTI disc mowers are designed for all types of crops and for use in almost all conditions. The hinged attachment along with the suspension system allows for easy adaptability to all terrain contours always maintaining the cutter bar at the proper height and ground pressure.

Model	Working Width		Hydraulic Lift	Tractor	
	Feet	Cm		Kw	Hp
DMP 165	5' 6"	165	Standard	22,4	30
DMP 210	7'	210	Standard	27	36
DMP 245	8' 2"	245	Standard	32	43
DMP 285	9' 6"	285	Standard	42	55
DMP 320	10' 5"	320	Standard	64	85



### FM SERIES Finishing Mowers

The FM Tonutti Finishing Mowers make large mowing jobs short. Standard features include rear discharge baffling, large solid tires with ball bearings, double central pulley, heavy duty S4 category PTO shaft with double safety collar, very strong main frame (6 mm for models 150/180 and 210) with bent reinforcement for outstanding performance. High quality tempered steel blades ensure a clean, smooth cut in a variety of applications. Pivoting upper and lower linkages guarantee a better following of the ground contour. The lower linkage is adjustable in length to adapt to different tractor sizes. The FM Finishing mowers from Tonutti will keep your lawns, sod farms, estates, school grounds, and parks looking their best.

As an option are available a Front Roller 150 x 100 mm (Poly Roller) and a Mulching Kit.

Model	Cutting Width		Cutting Height		Tractor		3-P Cat.	Blade N°	Blade rpm
	Feet	Cm	Feet	Cm	Kw	Hp			
FM120	48"	120	1'18"-2'95"	3 - 7,5	11 - 22,4	15 - 30	I	3	3.126
FM150	60"	150	1'18"-2'95"	3 - 7,5	15 - 29,8	20 - 40	II	3	2.645
FM180	72"	180	1'18"-2'95"	3 - 7,5	22,4 - 37	30 - 50	II	3	2.234
FM210	82"	210	1'18"-2'95"	3 - 7,5	29,8 - 44	40 - 60	II	3	2.025

