

✓ **Ménart System of Air removal of Plastics (SAP)**



Ménart's SAP system makes it possible to remove contaminates (plastic bagging, etc.) by method of a powerful vacuum suction device. Moreover, the contaminates are shredded by the powerful turbine of the unit before being blown into a holding container. This container has a special cover designed to slow the air velocity, to avoid the formation of dust. A suction opening is placed on the chute or the discharge conveyor of the oversize fraction and can also be supplemented with suction openings on the fine fraction belt or on the feed conveyor to the drum.

Note: service walkways with stairs are available options for all TS models

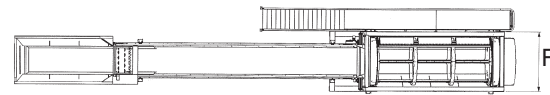
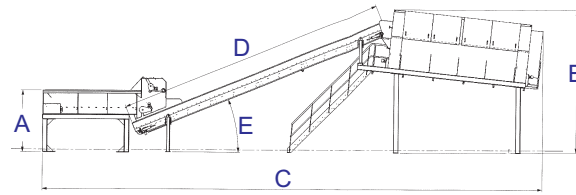


✓ **Technical Characteristics**

Stationary Screens		TS 1535	TS 1850	TS 1860	
Hopper T115	Opening (Lxl)	(m)	4,00 x 1,90		
	capacity	(m ³)	4,00		
	Loading height	(m)	2,50		
	Drive		hydraulic group (electric motor. 5,5 kW and 15 kW with optional picker drum)		
Conveyor	length	(m)	10,00	10,00	
	width	(m)	1,00	1,00 ou 1,20	1,00 ou 1,20
	drive		electric motor 5,5 kW, (hydraulic optional)		
Drum	(Ø x L)	(m)	1,54 x 3,83	1,87 x 6,02	1,87 x 7,58
	Input	(m ³ /h)	15 to 40	60 to 100	80 to 120
	height under drum	(m)	2,80	2,80	2,80
	electric motor		4 x 1,5 kW	4 x 5,5 kW	4 x 5,5 kW
Standard mesh	(mm)		# 25 x 25		
Optional mesh	(mm)		# 8, 10, 15, 20, 30, 40, 50		

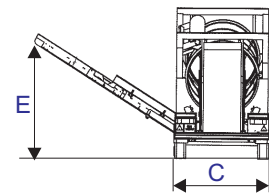
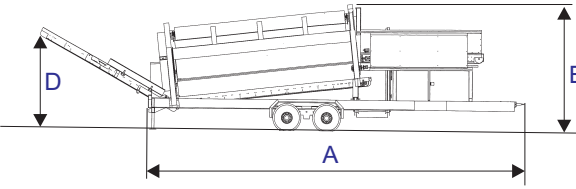
Dimensions		A (m)	B (m)	C (m)	D (m)	E (°)	F (m)
• Filling height		2,50	2,50	2,50			
• Total height		5,00	5,80	6,10			
• Total length (*)		from 15 to 18	from 18 to 21	from 19 to 22			
• Conveyor length		from 8 to 11	from 8 to 11	from 8 to 11			
• Conveyor width		1	1 or 1,20	1 or 1,20			
• Conveyor angle		22 to 30	22 to 30	22 to 30			
• Total width		2	2,40	2,50			

(*) The overall length will depend on the length and on the angle of the conveyor



Mobile Screens		TR 1535	TR 1850	TR 1860	
Engine	diesel	make John Deere	John Deere	John Deere	
	Power	(kW/hp)	36,5 / 49	60 / 81	60 / 81
	Fuel tank capacity	(l)	120	200	200
Hopper	Length	(m)	3,30	3,85	3,85
	width	(m)	1,25	1,70	1,70
	Capacity	(m ³)	2,50	3,50	3,50
	Loading height	(m)	2,70	3,20	3,20
Drum	diametre	(m)	1,54	1,87	1,87
	length	(m)	3,83	5,36	6,26
Input:	(m ³ /h)	15 to 40	60 to 100	80 to 120	

Dimensions		A (m)	B (m)	C (m)	D (m)	E (m)
• Length	transport pos.	8,94	11,55	12,35		
• Height	transport pos.	4,04	3,95	3,95		
	work position	3,52	3,95	3,95		
• Width	transport pos.	2,50	2,55	2,55		
	standard discharge conveyors:					
	oversize	D (m)	2,40	2,60	2,60	
	fine fraction	E (m)	2,60	2,70	2,70	
• optional foldable discharge conveyors:	oversize	D (m)	---	3,50	3,50	
	fine fraction	E (m)	---	3,50	3,50	
• Empty weight	(kg)	6.280 kg	10.500	11.000		



Alteration to the technical specifications can be done by Ménart at any time without prior notice. Please cross check when ordering.

Drum Screens TR & TS



Stationary and Mobile Drum Screens



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The Ménart TS & TR drum screens are highly rated for their superior performance and at the same time, their low operating costs

✓ Adopted Principles

Stationary or mobile, the Ménart rotary drum screens have the same operating principles. The drum frame is made of heavy rectangular section tubing. These tubes have a double function: to ensure a strong structure and to improve the screening. The material screening does not just roll on itself, but is lifted higher by the tube sections and then falls, more aerated, onto a clearer bottom surface.

The drum is inclined so that the compost advances naturally by gravity. This avoids the disadvantages of the endless screw needed to push material through horizontal screens. There is less risk of clogging the screen and this achieves a higher output because the fine particles screen better from a clear sieving surface. The mesh is made up as a lattice from round steel wire which is up to four times more resistant than perforated sheet steel. A very

important characteristic is that the round wire construction allows a higher percentage of "open" sieving space on the surface of the drum. Finally, there is a heavy industrial cylindrical brush on top and along the full length of the screen to ensure a clean operation.

These characteristics guarantee a more optimum performance, constant grain structure and a higher material output!

✓ TR • Ménart Mobile Drum Screens

A diesel engine drives the hydraulic functions, feeding several circuits, in particular the hydraulic motor of the conveyor floor in the feed hopper. Also the four hydraulic motors driving the drum and the hydraulic motors of each conveyor. It is also used for folding of the discharge conveyors for fines and for oversize. A proportional hydraulic valve

allows control of the rate of feed into the drum, adapting to the physical characteristics of the material being screened. Three conveyors are located in length under the drum, transversely, and discharge laterally the fines onto a pile, while the oversize fraction is discharged to the rear of the machine on its discharge conveyor belt.



TR 1535.



TR 1860, with foldable discharge conveyor for the fine fraction (optional equipment).



Diesel engine and Load Sensing hydraulic



Conveyors for the fine fraction:

- conveyor under the drum
- transverse conveyor
- foldable discharge conveyor



The important length of the feed hopper offers many advantages for loading.



✓ Optional equipment to respond to client needs



Highway chassis with double road axle, approved for 80 km/h, ABS braking with pneumatic control, rear bumper and cyclist side bumper, road lights and other equipment in conformity with the highway code. Wheels equipped with road tires 285/70 R 19.5



Personalized colours can be provided. Covered drum



Discharge conveyors for the "fine" and "oversize" fractions with setting in position and hydraulic unfolding (optional conveyor, length: 5m)



✓ TS • Ménart Stationary Drum

Ménart stationary screens respond to your site requirements. Standard or "tailor made", they are designed and built according to principles that guarantee performance and reliability

The screen installations are designed to a modular concept allowing selection of different hoppers, conveyors and screens to achieve the appropriate screen for each site. Feed hopper can be two sizes, with or without a Ménart leveling device for constant feed. conveyors to the drums are sized according to the other modules and lengths are adapted to site requirements. Drums can be several sizes and can be put end to end for

increased capacity or to obtain several grain sizes from one screening operation. Three drum sizes are available. The TS-1535 has a diameter of 1.54 m and a length of 3.50 m. The TS-1850 is 1.87 m x 5.0 m and the TS-1860 is 1.87 m x 6.0 m. the sieving surface and the percentage of surface that is open determine the output of the installation. A hydraulic system is driven by an electric motor and supplies the hydraulic motor and the reducing gearbox driving the conveyor floor of the

hopper. An oil volume regulator makes it possible to precisely adjust the feeding to the drum screen in order to adapt to the physical properties of the material being screened. The drive of the four driving wheels of each drum, like that of the conveyor, is ensured by powerful electric motors (5,5 kW) via reducing gearbox with an oil bath (or optionally by hydraulic motors), in order to guarantee the drive of the drum in complete safety.



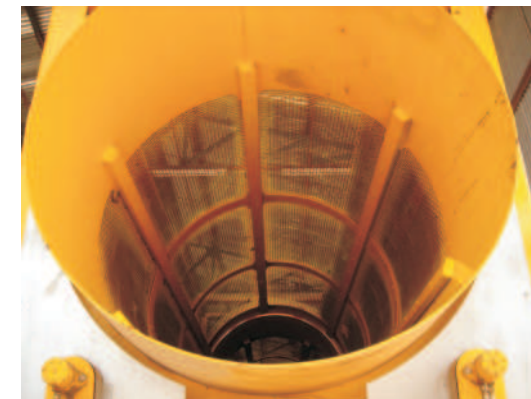
Basic equipment: hopper • conveyor • drum



T115 feed hopper, provided with a leveling and regulator device.

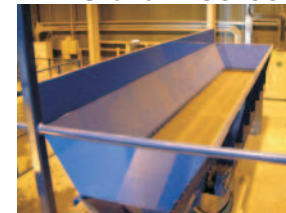


Hydraulic group for the oil supply of the hopper conveyor and the drum picker



Photographs above: (1) the discharge point of the conveyor in the drum is designed to use the maximum of the sieving surface. (2) The robust drums are constructed from strong rectangular section tubing which makes a rigid frame, increases drum life and contributes to mixing and aerating the screened material. (3) Heavy industrial brushes are hinged to move with the drum and ensure permanent cleaning of the screen mesh.

✓ TS drum screens, Standard or "Tailor Made"



Some examples of Ménart "Tailor Made" installations: (1) client's own colours and double sized hopper with rubber belt conveyor, (2) hopper lower than ground level with an extra-long conveyor, (3) hydraulic drive rather than electric, (4) conveyer for the fine fraction under the drum, etc.