

Series

TBS



Double-shaft shredders



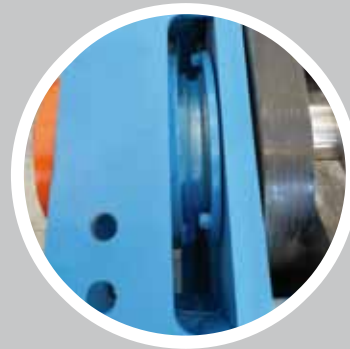
compact, performant and low consumption

INNOVATIVE SOLUTION

The double shaft shredders (TBS) are very compact and high efficiency machines, that process high quantities of waste with low installed powers.



High performance gearboxes
built by Forrec



Bearings outside
the cutting chamber



Special hot forged steel blades
adjustable by thickness
and number of teeth



The advantages of Forrec double-shaft shredders TBS

- ✓ Compact design, with gear motor built into the shredding chamber, driven by a single motor, that guarantees maximum efficiency with low installed power.
- ✓ High torque combined with low rpm to cut hard waste.
- ✓ Hydraulic transmission with constant power regulation system to obtain high cutting torque at low electrical power (for the models TBSH800, TBSH1000 and TBSH1300).
- ✓ Special hot forged steel cutting blades, for mechanical resistance combined with high hardness.
- ✓ Adjustable blades by type, thickness and number of teeth.
- ✓ Independent spacers with hexagonal hole not welded to the blades for easy sharpening.
- ✓ Bearings outside the shredding chamber to process more difficult waste (optional for models TBS500, TBS600).
- ✓ Customisable hopper and support structure.
- ✓ PLC controlled reverse.
- ✓ PLC controlled stop system for non-shreddable materials.

Wide range of available options such as:

- External or built-in ram
- Conveyor belts
- Remote control
- Hydraulic oil heating for winter operations
- Video cameras
- Telecamere
- Load photocells
- Water spray systems



Automatic lubrication system



PLC to control the reverses and automation



Hydraulic transmission with constant power control



Conveyor belts



Technical specifications

		Electric transmission					Hydraulic transmission		
		TBS500	TBS600	TBS800	TBS1000	TBS1300	TBSH800	TBSH1000	TBSH1300
Machine width	mm	1000	1300	1800	1800	1800	1800	1800	1800
Machine length	mm	1500	1600	2100	2200	2400	2100	2200	2400
Machine height	mm	1900	2400	3000	3000	3000	3000	3000	3000
Cutting chamber width	mm	410	620	850	850	850	850	850	850
Cutting chamber length	mm	500	590	750	1000	1250	750	1000	1250
Solid blades thickness	mm	15	15	30	30	30	30	30	30
		20	30	50	50	50	50	50	50
Weight	ton	0,65	1,4	3,5	4	4,5	4,2	4,6	5
Installed power	kW	1x5,5	1x11	1x22	1x22	1x22	1x37	1x37	1x37
Main control panel controls	Pushbutton panel with lighted signals PLC controlled automations, integrations, emergencies, etc. Control instruments 24 V AC power line								

Main applications

		Electric transmission					Hydraulic transmission		
		TBS500	TBS600	TBS800	TBS1000	TBS1300	TBSH800	TBSH1000	TBSH1300
Plastic and polymers	kg/h	150	300	800 ÷ 2000			1000 ÷ 3000		
Wood	kg/h	✘	500	1000 ÷ 2000			1000 ÷ 2000		
Paper and cardboard	kg/h	200	400	1000 ÷ 1500			1500 ÷ 2500		
Electrical wires	kg/h	✘	300	✘			2000 ÷ 4000		
Tyres (car)	kg/h	✘			1000 ÷ 3000				
Solid urban waste	kg/h	✘		4000 ÷ 6000			5000 ÷ 7000		
Industrial waste	kg/h	200	400	800 ÷ 2000			1500 ÷ 3000		
Special industrial waste	kg/h	✘			2000 ÷ 3000				
<i>Other applications upon request</i>									

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