

TASKMASTER® TITAN®

High Flow “Full Cut” Grinder

The TASKMASTER® TITAN® twin-shaft grinder features a design breakthrough that is as simple as it is innovative. This unit provides powerful solids reduction performance, a high-flow capability, low headloss and a great improvement in effectiveness — all with a unique simplicity that enhances durability.

The TITAN employs two counter-rotating shafts but unlike previous twin-shaft grinders, one cutter stack intermeshes with a second which has a much larger diameter. The results are dramatic. The unit has a liquid handling capability that is double that of typical high-flow twin-shaft grinders. It has a much larger throat opening that is capable of handling bulky or round objects. Solids are more effectively fed into the cutters. With the TITAN's increased cutting surface, cutter life and unit strength are enhanced.



Large Throat Opening Handles Larger Solids | High Flow Capability
Rugged and Durable | Low Headloss | Fine Output | No Diverter Screens



The TITAN's cutters powerfully reduce wastewater solids while allowing fluids to pass through freely.

The TASKMASTER TITAN provides unsurpassed reduction of solids such as sneakers, wood, rags, paper, mops and bottles while allowing the liquid flow to pass through freely with minimal headloss.

The TITAN is impressive in the protection of pumps, filter presses and other downstream equipment, producing a finely ground output which is easily handled by process equipment. It improves centrifuge and belt filter press reliability, resulting in less downtime. With the TASKMASTER TITAN, there's no need for weak plastic diverters, chains or sprockets, and there's no chance of solids bypassing grinding.

TASKMASTER TITAN GRINDER

How it Works

The TASKMASTER TITAN employs a cutter arrangement that optimizes the benefits of twin-shaft grinding and brings new capabilities to it. As the high-speed cutters intermesh with the low-speed cutters, solids are intensively ground and shredded to small bits.

The high percentage of open area allows flow to pass through in high volume. Wear is reduced due to the unique configuration of the large and small cutter stacks. Additionally, solids are positively ground across the entire throat opening of this "full cut" grinder so there's no need for flow restricting baffles.

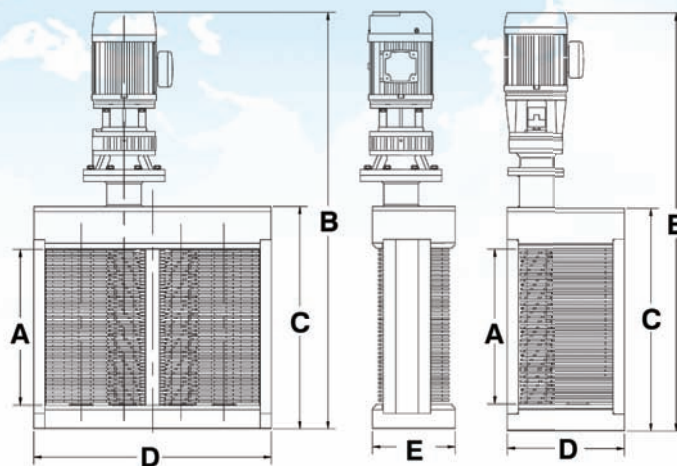
S260 Control System:

An S260 Control System monitors unit operation and automatically cycles the grinder in case of an overload condition. This industrial control panel is supplied complete with a NEMA 4X FRP enclosure, and 100,000 hour life LED indicators.



Configurations

The TITAN is available with a variety of optional configurations and is provided with a choice of electric, submersible electric or hydraulic drives. A choice of channel frames is available for narrow or wide channels or wetwell installations. The TITAN is also available as a solids shredder and can be provided with a horizontal stand and hopper. When supplied as part of a SPIRALIFT® system, this unit provides an effective fine screening and conditioning system.



TASKMASTER TITAN TM2000 Series

Model No.	A	"B" TEFC	"B" SUBM XPF	C	D	E	FLOW MGD (l/s)	HP (kW)
TM20024	23.5" 596.9 mm	65" 1651 mm	83" 2108.2 mm	36.2" 919.48 mm	22" 558.8 mm	16" 305 mm	3.5 153	3 - 5 2.2 - 3.7
TM20032	30" 762 mm	72" 1828.8 mm	90" 2286 mm	43.8" 1112.52 mm	22" 558.8 mm	16" 406 mm	5.3 404	3 - 5 2.2 - 3.7
TM20040	37.5" 952.5 mm	80" 2032 mm	98" 2489.2 mm	51.5" 1308.1 mm	22" 558.8 mm	16" 406 mm	7 307	3 - 5 2.2 - 3.7
TM20052	48.8" 1239.5 mm	91" 2311.4 mm	109" 2768.6 mm	62.5" 1587.5 mm	22" 558.8 mm	16" 406 mm	7 307	3 - 5 2.2 - 3.7
TM20024D	23.5" 596.9 mm	65" 1651 mm	83" 2108.2 mm	36.2" 919.48 mm	42.5" 1079 mm	16" 406 mm	7 307	5 3.7
TM20032D	30" 762 mm	72" 1828.8 mm	90" 2286 mm	43.8" 1112.5 mm	42.5" 1079 mm	16" 406 mm	7 307	5 3.7
TM20040D	37.5" 952.5 mm	80" 2037 mm	98" 2489.2 mm	51.2" 1301.7 mm	42.5" 1079 mm	16" 406 mm	14 613	5 3.7
TM20052D	48.8" 1239.5 mm	91" 2311.4 mm	109" 2768.6 mm	62.5" 1587.5 mm	42.5" 1079 mm	16" 406 mm	19.2 841	5 3.7
TM20060D	56.2" 1427.48 mm	98" 2489.2 mm	116" 2944.4 mm	70" 1778 mm	42.5" 1079 mm	16" 406 mm	22 964	10 7.4

DUPLEX

TASKMASTER TITAN TM1400 Series

Model No.	A	"B" TEFC	"B" SUBM XPF	C	D	E	FLOW MGD (l/s)	HP (kW)
TM14024	24.1" 612 mm	61" 1549 mm	74" 1867 mm	32" 813 mm	17.25" 438 mm	12" 305 mm	2.6 114	3 2.2
TM14032	31.6" 803 mm	69" 1753 mm	81" 2057 mm	39.5" 1003 mm	17.25" 438 mm	12" 305 mm	3 223	3 2.2
TM14040	39.1" 993 mm	76" 1935 mm	95" 2405 mm	47" 1194 mm	17.25" 438 mm	12" 305 mm	5.1 223	3 - 5 2.2 - 3.7
TM14052	50.4" 1280 mm	88" 2223 mm	106" 2692 mm	58.3" 1481 mm	17.25" 438 mm	12" 305 mm	6.9 302	3 - 5 2.2 - 3.7
TM14060	57.9" 1470 mm	95" 2418 mm	114" 2883 mm	65.8" 1671 mm	17.25" 438 mm	12" 305 mm	8.1 355	3 - 5 2.2 - 3.7
TM14024D	24.1" 612 mm	61" 1555 mm	74" 1867 mm	32" 813 mm	34.4" 874 mm	12" 305 mm	5.2 228	3 2.2
TM14032D	31.6" 803 mm	69" 1753 mm	81" 2056 mm	39.5" 1003 mm	34.4" 874 mm	12" 305 mm	7.6 353	3 2.2
TM14040D	39.1" 993 mm	76" 1935 mm	95" 2405 mm	47" 1194 mm	34.4" 874 mm	12" 305 mm	10 438	3 - 5 2.2 - 3.7
TM14052D	50.4" 1280 mm	88" 2235 mm	106" 2692 mm	58.3" 1481 mm	34.4" 874 mm	12" 305 mm	13.8 605	3 - 5 2.2 - 3.7
TM14060D	57.9" 1470 mm	95" 2418 mm	114" 2883 mm	65.8" 1671 mm	34.4" 874 mm	12" 305 mm	16.2 710	3 - 5 2.2 - 3.7

DUPLEX

US gallon = 3.79 liters

For inline dimensions please contact factory.

TASKMASTER TITAN TM2200 Series

Model No.	A	"B" TEFC	"B" SUBM XPF	C	D	E	FLOW MGD (l/s)	HP (kW)
TM22020	20" 508 mm	80.5" 2045 mm	97.8" 2483 mm	34" 864 mm	27.6" 701 mm	18" 457 mm	2.8 123	10-15 7.5
TM22030	30" 762 mm	90.5" 2299 mm	107.8" 2737 mm	44" 1118 mm	27.6" 701 mm	18" 457 mm	5.1 223	10-15 7.5
TM22040	40" 1016 mm	100.5" 2553 mm	117.8" 2991 mm	54" 1372 mm	27.6" 701 mm	18" 457 mm	7.4 324	10-15 7.5
TM22050	50" 1270 mm	110.5" 2807 mm	127.8" 3245 mm	64" 1626 mm	27.6" 701 mm	18" 457 mm	9.7 425	10-15 7.5
TM22060	60" 1524 mm	120.5" 3061 mm	137.8" 3499 mm	74" 1880 mm	27.6" 701 mm	18" 457 mm	11.9 521	10-15 7.5
TM22020D	20" 508 mm	81.7" 2075 mm	99.0" 2413 mm	35.2" 894 mm	51.7" 1313 mm	18" 457 mm	5.6 245	10-15 7.5
TM22030D	30" 762 mm	91.7" 2329 mm	109.0" 2767 mm	45.2" 1148 mm	51.7" 1313 mm	18" 457 mm	10.2 441	10-15 7.5
TM22040D	40" 1016 mm	101.7" 2583 mm	119.0" 3021 mm	55.2" 1402 mm	51.7" 1313 mm	18" 457 mm	14.8 648	10-15 7.5
TM22050D	50" 1270 mm	111.7" 2837 mm	129.0" 3275 mm	65.2" 1656 mm	51.7" 1313 mm	18" 457 mm	19.3 846	10-15 7.5
TM22060D	60" 1524 mm	121.7" 3091 mm	139.0" 3529 mm	75.2" 1910 mm	51.7" 1313 mm	18" 457 mm	23.9 1047	10-15 7.5

DUPLEX

The following United States Patents may apply: : 5,169,075; 5,406,865, 6,938,845



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