

# TASKMASTER<sup>®</sup> TITAN

## TM14000 Unique High-Flow Channel Grinder

The TASKMASTER TITAN twin shaft grinder features a design break-thru 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.

**Rugged and Durable**

**Powerful Reduction with Fine Output**

**Large Throat Opening Handles Larger Solids**

**High Flow Capability**

**Low Headloss**

The TITAN employs two counter-rotating shafts but, unlike previous twin shaft grinders, one cutter stack intermeshes with a second one 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 surfaces, cutter life and unit strength are enhanced.

The TASKMASTER TITAN provides unsurpassed reduction of such solids as sneakers, wood, rags, paper, mops and bottles while allowing the liquid flow to pass through freely with minimal headloss. This unit can also be configured as a powerful and highly efficient horizontal solid waste shredder.

*The TM14000 has a highly open design resulting in minimal headloss.*



The TASKMASTER TM14000 provides effective protection of pumps, filter presses and other downstream equipment producing a finely ground output which is easily handled by process equipment. Centrifuges and belt filter presses function better and with a longer time between maintenance.

With the TASKMASTER TM14000 there's no need for weak plastic diverters, chains or sprockets and there's no chance of solids bypassing grinding.

**Franklin  
MILER<sup>®</sup>** SEE THE DIFFERENCE

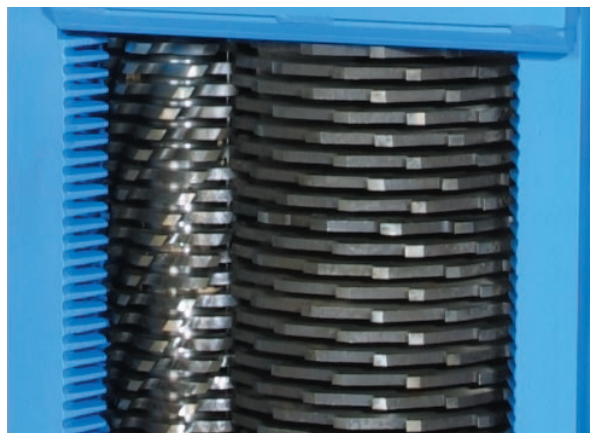
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TASKMASTER TITAN TM14000 — GRINDER

**How It Works:**

The TASKMASTER TM14000 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. Utilizing a small diameter cutter, power consumption is kept extremely low.

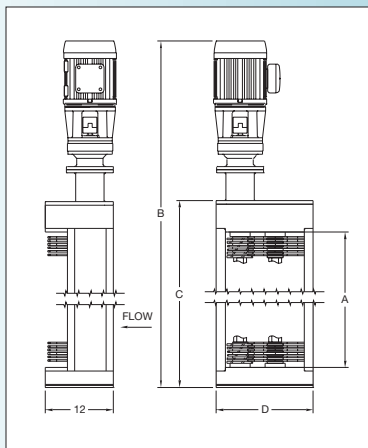
The deep slots in between the large cutters allow flow to pass through in high volume. Wear is reduced due to the unique configuration of the large and small cutter stacks. Additionally, solids are positively transported to the cutting area across the entire throat opening so there's no need for flow restricting baffles.



**Configurations:**

This ultra-compact, straight thru unit is easy to install in tight channel locations. The TM14000 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 TM14000 is also an able solids shredder and can be provided with a horizontal stand and hopper. Hook it up with flange adapters and you get an inline grinder with amazing



flow capability. When supplied as part of an FMI SPIRALIFT® system, this unit provides an effective fine screening system.

**Taskmaster Titan Models:**

MODEL	A		"B" TEFC		"B" SUBM XPF		C		D	FLOW		HP	kw
	Inches	MM	Inches	MM	Inches	MM	Inches	MM		MGD	L/S		
TM14016	16.6	423	54	1365	66	1676	25.9	658	17.25 inches	1.4	61	3	2.2
TM14024	24.1	613	61	1555	74	1867	33.3	848		2.6	114	3	2.2
TM14032	31.6	803	69	1745	81	2056	40.9	1039		3.8	166	3	2.2
TM14040	39.1	993	76	1935	95	2405	48.4	1229	438 MM	5.1	223	3-5	2.2-3.7
TM14052	50.4	1280	88	2220	106	2692	59.6	1514		6.9	302	3-5	2.2-3.7
TM14060	57.9	1470	95	2418	114	2883	67.1	1704	874 MM	8.1	355	3-5	2.2-3.7
TM14024D	24.1	613	61	1555	74	1867	33.4	848		5.2	228	3	2.2
TM14032D	31.6	803	69	1745	81	2056	40.9	1039		7.6	333	3	2.2
TM14040D	39.1	993	76	1935	95	2405	48.4	1229		10.0	438	3-5	2.2-3.7
TM14052D	50.4	1280	88	2220	106	2692	59.6	1514		13.8	605	3-5	2.2-3.7
TM14060D	57.9	1470	95	2418	114	2883	67.1	1704		16.2	710	3-5	2.2-3.7

Contact factory for certified drawings or additional model sizes.

**S260 Control System**

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



◀ The TASKMASTER TITAN – DUPLEX features twice the cutting area for even higher flow and wider channel applications.

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



Call one of our customer service representatives to discuss your particular application.

This equipment is covered by patents No. 6938845, 5275342, 5406865 and others pending.

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