

# 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.

## 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

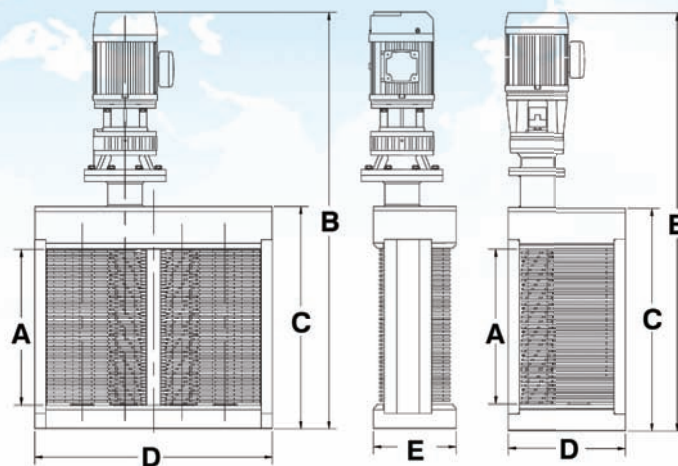
The TITAN is available with a variety of optional configurations and is provided with a choice of electric, submersible electric or hydraulic drives. A choice of channel frames is available for narrow or wide channels or wetwell installations. The TITAN is also available as a solids shredder and can 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 TM14000 Series

| Model No. | A                | "B" TEFC       | "B" SUBM XPF    | C                | D                | E             | FLOW MGD (l/s) | HP (kW)            |
|-----------|------------------|----------------|-----------------|------------------|------------------|---------------|----------------|--------------------|
| TM14024   | 24.1"<br>612 mm  | 61"<br>1549 mm | 74"<br>1867 mm  | 32"<br>813 mm    | 17.25"<br>438 mm | 12"<br>305 mm | 2.6<br>114     | 3<br>2.2           |
| TM14032   | 31.6"<br>803 mm  | 69"<br>1753 mm | 81"<br>2057 mm  | 39.5"<br>1003 mm | 17.25"<br>438 mm | 12"<br>305 mm | 3<br>123       | 3<br>2.2           |
| TM14040   | 39.1"<br>993 mm  | 76"<br>1935 mm | 95"<br>2405 mm  | 47"<br>1194 mm   | 17.25"<br>438 mm | 12"<br>305 mm | 5.1<br>223     | 3 - 5<br>2.2 - 3.7 |
| TM14052   | 50.4"<br>1280 mm | 88"<br>2223 mm | 106"<br>2692 mm | 58.3"<br>1481 mm | 17.25"<br>438 mm | 12"<br>305 mm | 6.9<br>302     | 3 - 5<br>2.2 - 3.7 |
| TM14060   | 57.9"<br>1470 mm | 95"<br>2418 mm | 114"<br>2883 mm | 65.8"<br>1671 mm | 17.25"<br>438 mm | 12"<br>305 mm | 8.1<br>355     | 3 - 5<br>2.2 - 3.7 |
| TM14024D  | 24.1"<br>612 mm  | 61"<br>1555 mm | 74"<br>1867 mm  | 32"<br>813 mm    | 34.4"<br>874 mm  | 12"<br>305 mm | 5.2<br>228     | 3<br>2.2           |
| TM14032D  | 31.6"<br>803 mm  | 69"<br>1753 mm | 81"<br>2057 mm  | 39.5"<br>1003 mm | 34.4"<br>874 mm  | 12"<br>305 mm | 7.6<br>333     | 3<br>2.2           |
| TM14040D  | 39.1"<br>993 mm  | 76"<br>1935 mm | 95"<br>2405 mm  | 47"<br>1194 mm   | 34.4"<br>874 mm  | 12"<br>305 mm | 10<br>438      | 3 - 5<br>2.2 - 3.7 |
| TM14052D  | 50.4"<br>1280 mm | 88"<br>2235 mm | 106"<br>2692 mm | 58.3"<br>1481 mm | 34.4"<br>874 mm  | 12"<br>305 mm | 13.8<br>605    | 3 - 5<br>2.2 - 3.7 |
| TM14060D  | 57.9"<br>1470 mm | 95"<br>2418 mm | 114"<br>2883 mm | 65.8"<br>1671 mm | 34.4"<br>874 mm  | 12"<br>305 mm | 16.2<br>710    | 3 - 5<br>2.2 - 3.7 |

US gallon = 3.79 liters

For inline dimensions please contact factory.



## TASKMASTER TITAN TM20000 Series

| Model No. | A                   | "B" TEFC         | "B" SUBM XPF      | C                   | D                | E             | FLOW MGD (l/s) | HP (kW)            |
|-----------|---------------------|------------------|-------------------|---------------------|------------------|---------------|----------------|--------------------|
| TM20024   | 23.5"<br>596.9 mm   | 65"<br>1651 mm   | 83"<br>2108.2 mm  | 36.2"<br>919.48 mm  | 22"<br>558.8 mm  | 16"<br>305 mm | 3.5<br>153     | 3 - 5<br>2.2 - 3.7 |
| TM20032   | 30"<br>762 mm       | 72"<br>1828.8 mm | 90"<br>2286 mm    | 43.8"<br>1112.52 mm | 22"<br>558.8 mm  | 16"<br>406 mm | 5.3<br>232     | 3 - 5<br>2.2 - 3.7 |
| TM20040   | 37.5"<br>952.5 mm   | 80"<br>2032 mm   | 98"<br>2489.2 mm  | 51.5"<br>1306.1 mm  | 22"<br>558.8 mm  | 16"<br>406 mm | 7<br>307       | 3 - 5<br>2.2 - 3.7 |
| TM20052   | 48.8"<br>1239.5 mm  | 91"<br>2311.4 mm | 109"<br>2768.6 mm | 62.5"<br>1587.5 mm  | 22"<br>558.8 mm  | 16"<br>406 mm | 7<br>307       | 3 - 5<br>2.2 - 3.7 |
| TM20024D  | 23.5"<br>596.9 mm   | 65"<br>1651 mm   | 83"<br>2108.2 mm  | 36.2"<br>919.48 mm  | 42.5"<br>1079 mm | 16"<br>406 mm | 7<br>307       | 5<br>3.7           |
| TM20032D  | 30"<br>762 mm       | 72"<br>1828.8 mm | 90"<br>2286 mm    | 43.8"<br>1112.5 mm  | 42.5"<br>1079 mm | 16"<br>406 mm | 7<br>307       | 5<br>3.7           |
| TM20040D  | 37.5"<br>952.5 mm   | 80"<br>2037 mm   | 98"<br>2489.2 mm  | 51.2"<br>1301.7 mm  | 42.5"<br>1079 mm | 16"<br>406 mm | 14<br>613      | 5<br>3.7           |
| TM20052D  | 48.8"<br>1239.5 mm  | 91"<br>2311.4 mm | 109"<br>2768.6 mm | 62.5"<br>1587.5 mm  | 42.5"<br>1079 mm | 16"<br>406 mm | 19.2<br>841    | 5<br>3.7           |
| TM20060D  | 56.2"<br>1427.48 mm | 98"<br>2489.2 mm | 116"<br>2945.4 mm | 70"<br>1778 mm      | 42.5"<br>1079 mm | 16"<br>406 mm | 22<br>964      | 10<br>7.4          |

## TASKMASTER TITAN TM22000 Series

| Model No. | A              | "B" TEFC          | "B" SUBM XPF      | C                | D                | E             | FLOW MGD (l/s) | HP (kW)      |
|-----------|----------------|-------------------|-------------------|------------------|------------------|---------------|----------------|--------------|
| TM22020   | 20"<br>508 mm  | 80.5"<br>2045 mm  | 97.8"<br>2483 mm  | 34"<br>864 mm    | 27.6"<br>701 mm  | 18"<br>457 mm | 2.8<br>123     | 10-15<br>7.5 |
| TM22030   | 30"<br>762 mm  | 90.5"<br>2299 mm  | 107.8"<br>2737 mm | 44"<br>1118 mm   | 27.6"<br>701 mm  | 18"<br>457 mm | 5.1<br>223     | 10-15<br>7.5 |
| TM22040   | 40"<br>1016 mm | 100.5"<br>2553 mm | 117.8"<br>2991 mm | 54"<br>1372 mm   | 27.6"<br>701 mm  | 18"<br>457 mm | 7.4<br>324     | 10-15<br>7.5 |
| TM22050   | 50"<br>1270 mm | 110.5"<br>2807 mm | 127.8"<br>3245 mm | 64"<br>1626 mm   | 27.6"<br>701 mm  | 18"<br>457 mm | 9.7<br>425     | 10-15<br>7.5 |
| TM22060   | 60"<br>1524 mm | 120.5"<br>3061 mm | 137.8"<br>3499 mm | 74"<br>1880 mm   | 27.6"<br>701 mm  | 18"<br>457 mm | 11.9<br>521    | 10-15<br>7.5 |
| TM22020D  | 20"<br>508 mm  | 81.7"<br>2075 mm  | 99.0"<br>2413 mm  | 35.2"<br>894 mm  | 51.7"<br>1313 mm | 18"<br>457 mm | 5.6<br>245     | 10-15<br>7.5 |
| TM22030D  | 30"<br>762 mm  | 91.7"<br>2329 mm  | 109.0"<br>2767 mm | 45.2"<br>1148 mm | 51.7"<br>1313 mm | 18"<br>457 mm | 10.2<br>447    | 10-15<br>7.5 |
| TM22040D  | 40"<br>1016 mm | 101.7"<br>2583 mm | 119.0"<br>3021 mm | 55.2"<br>1402 mm | 51.7"<br>1313 mm | 18"<br>457 mm | 14.8<br>648    | 10-15<br>7.5 |
| TM22050D  | 50"<br>1270 mm | 111.7"<br>2837 mm | 129.0"<br>3275 mm | 65.2"<br>1656 mm | 51.7"<br>1313 mm | 18"<br>457 mm | 19.3<br>846    | 10-15<br>7.5 |
| TM22060D  | 60"<br>1524 mm | 121.7"<br>3091 mm | 139.0"<br>3529 mm | 75.2"<br>1910 mm | 51.7"<br>1313 mm | 18"<br>457 mm | 23.9<br>1047   | 10-15<br>7.5 |

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