

# TASKMASTER® TM1600

## Heavy Duty Grinder

The TASKMASTER® TM1600 powerful twin-shaft grinder can handle a large volume of rags, sludge, solid waste, institutional waste, screenings and more.

The TASKMASTER TM1600 has proven its heavy-duty capabilities and valuable service in hundreds of installations worldwide. This heavy-duty grinder employs up to a 20HP motor and drive to reduce a wide variety of tough solids. It can finely shred heavy screenings, correctional institution sanitary waste, wipes, rejects and returns, garments, filters, bottles, containers, plastics, turnings, wood, packaging, paper, electronic components, concession waste, newspapers and more.



**Heavy Duty Construction | Heavy Solids Capability | Rugged 2-3/4" Hex Shafting**  
**Proven Reliable Mechanical Seals | Channel, Gravity or Pipe Systems**

### Features

The TASKMASTER TM1600 features an open or flanged pipeline housing, 2-3/4" hardened hex shafting, mechanical seals, direct inline or optional right-angle gear drive, a choice of cutters, optional cleaning combs, flanges, stand and hopper. Units are also available in stainless steel. A model S260 Automatic Reversing Controller is supplied standard. Cutters are available with spacers as one piece for enhanced unit strength and reduced parts.



*TASKMASTER TM1630  
with optional right  
angle gear drive.*



*Left: Unique integrated cutter and spacer combinations enhance unit strength.*

## Construction

The TASKMASTER TM1600 is constructed for long life, durability and smooth operation in heavy institutional or industrial applications. The unit housings are provided standard in ductile iron. Stainless steel construction is also available as an option. The TM1600 cutters and shafts are constructed of AISI 4140 alloy steel. A choice of cutter profiles is available for desired output. Highly reliable, severe duty mechanical seals, housed in convenient stainless steel cartridges, protect the bearings and contain fluids within the unit.

### 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.



Twin-shaft cutting chamber.



An inline TASKMASTER TM1630-18 being fed by an 18" force main.

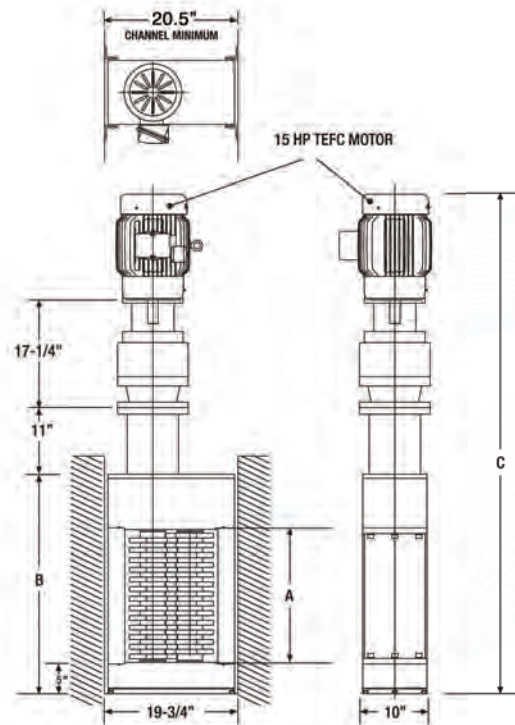
Right: The TASKMASTER TM1620 with a hopper and stand for gravity feed.



## Configurations

The versatile TASKMASTER TM1600 can be configured for liquid channels, wet wells, water inlets or pipeline installations. It can also be used in gravity-fed installations, such as for screenings discharged from a bar screen. Units can be provided with a stand and hopper for a variety of gravity-fed shredding applications.

These units can be installed for full or occasional submergence with our unique submersible explosion-proof motor and drive. They can be supplied with support frames or channel frames as well as guide rails to facilitate removal from wet wells. A variety of drive configurations is available to meet most installation requirements including standard electric motors, submersible explosion-proof motors, extended shafts or hydraulic systems.



Model No.	HP (kW)	A	B	C	GPM (l/s)
TM1620A	10 / 15 (7.5 / 11)	20.625" (524 mm)	33.75" (857 mm)	78.25" (1988 mm)	900 (57 l/s)
TM1630A	10 / 15 (7.5 / 11)	30.4375" (773 mm)	43.75" (1111 mm)	88.25" (2242 mm)	1900 (120 l/s)
TM1640A	10 / 15 (7.5 / 11)	40.875" (1038 mm)	53.75" (1365 mm)	98.25" (2496 mm)	2900 (185 l/s)
TM1650A	10 / 15 (7.5 / 11)	50.875" (1292 mm)	63.75" (1619 mm)	108.25" (2750 mm)	3900 (250 l/s)

US gallon = 3.79 liters

\*Dimensions include flange adapters (not shown).

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