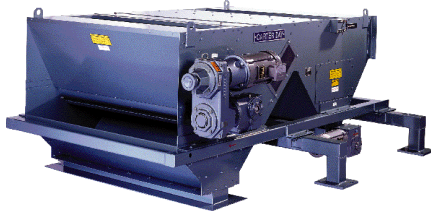




CARTER DAY

PRODUCT FLOW CONFIGURATION

CARTER DAY



**HI-CAPACITY
LOW PROFILE ASPIRATOR**

DRIVE - depending on application; either a 5 or 7.5 hp motor (1800 rpm) with variable speed adjustment from 17 to 34 rpms.

| TROMMEL AVERAGE CAPACITIES | | | | |
|----------------------------|-------|-------|-------|-------|
| | 4-36 | 5-36 | 4-50 | 5-50 |
| Scalping | | | | |
| Bu/hr | 3,500 | 4,800 | 7,000 | 8,000 |
| MT/hr | 95.3 | 130.7 | 190.6 | 217.9 |
| Cleaning | | | | |
| Bu/hr | 1,200 | 3,000 | 3,600 | 4,500 |
| MT/hr | 32.7 | 81.7 | 98.0 | 122.6 |

* Calculated with wheat at 15% moisture and FM at 3-4% reducing to 1%FM.
NOTE: Capacities are approximate and will vary according to the variety of grain, moisture content, and input FM
For verification of capacities and efficiencies, a sample must be submitted for data analysis.

| TROMMEL MODELS & SPECIFICATIONS | | | | |
|---------------------------------|----------------|-----------------|-----------------|------------------------|
| Model # | Width | Length | Height | Weight |
| 4-36 | 48" 1219 mm | 211" 5353 mm | 83" 2096 mm | 4,500 lbs. 2041 kg. |
| 5-36 | 48" 1219 mm | 251" 6366 mm | 87" 2203 mm | 5,100 lbs. 2313 kg. |
| 4-50 | 62" 1575 mm | 211" 5366 mm | 100" 2540 mm | 5,500 lbs. 2495 kg. |
| 5-50 | 62" 1575 mm | 251" 6379 mm | 104" 2645 mm | 6,000 lbs. 2722 kg. |

Complete laboratory service is at your disposal. Carter Day's facility enables us to test your unique product sample in laboratory or full size equipment to aid in determining the right machine for your application. We invite you to participate in tests conducted at our facility in Minneapolis, Minnesota, USA.

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TROMMEL





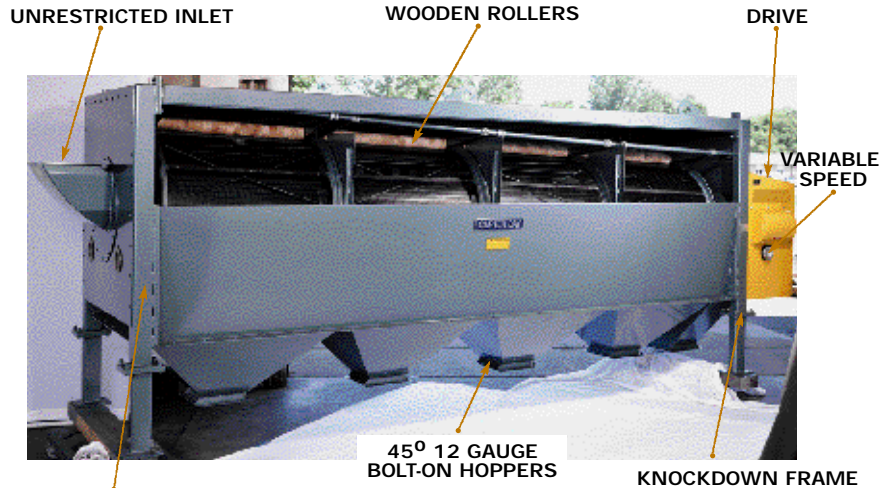
TROMMEL

Durable, Low Cost, High Capacity Sizer & Rough Separator

Carter Day has been manufacturing quality processing equipment for over 100 years. We continue this tradition of quality equipment with the TROMMEL.

The Carter Day **Trommel** is a high capacity cylindrical screen separator used for initial or rough cleaning for virtually any scalping or cleaning need in processing wheat, oats, rice, corn, sunflower, barley, soybean, etc. and most other free flowing granular materials. It features a shaftless cylinder in either 36" or 50" diameter. The Trommel is available in 4 or 5 cylinder sections which are covered by patented screen segments. Cylinder screen arrangements provide multiple combinations of sift and / or scalp combinations. The slope is fixed at either 2° or 6° with optional adjustable telescoping legs.

Product is fed into the Trommel and is channeled into a shaftless rotating screened cylinder. Depending on the application, the cylinder sections can have segments which all sift, all scalp, or sift and scalp combinations. In sift/scalp operations, the sifting is performed in the first section(s) and scalping is performed in the later section(s). In all cases, the larger product is discharged from the end of the cylinder while the fines and scalped products are discharged through the cylinder screens. The Carter Day Trommel can also be fitted with a high capacity, low profile aspirator.



WELDED TUBULAR STEEL FRAME

4-36
TROMMEL

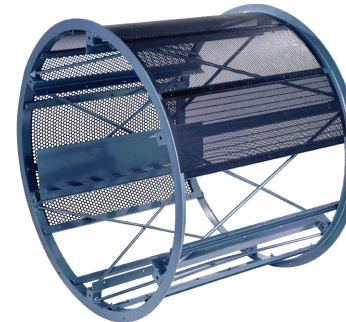
4 MODULAR CYLINDER SECTION CONFIGURATION

CARTER DAY DURABLE CYLINDER DESIGN

The modular design of the cylinder sections maintains structural integrity and fatigue resistance by using angle iron longitudinal stringers and rods for circumferential cross bracing. The unique cylinder design is supported by a stub shaft at the discharge end and three trunnion wheels at the unrestricted inlet sealed by a "V" ring seal (no center shaft or bearing in the product flow). The Trommel cylinder can be configured in four or five modular cylinder sections with multiple screen segments on each section for structural integrity.



THE PRODUCT FLOW SYSTEM offers a baffle plate at the inlet to provide a slow down of product for proper screen exposure; While the patented melonite hardened segmented screen design provides unique structural integrity and the flexibility of screen configuration in the field. The screen segments come in various sizes of round or slotted hole perforations to meet your cleaning need. Each cylinder section can be configured for either scalp or sift by simply changing screen segments. The wooden rollers make the screens self cleaning by gently dislodging the product back into the cylinder for continued processing. Retarder rings on the last section of the cylinder increase the efficiency of the cleaning process by holding the product in the cylinder until the scalping process is complete.



ADJUSTABLE LEGS TO ALLOW ADDITIONAL SLOPE ADJUSTMENT

- 1° to 8° slope adjustment- easy in-the-field cylinder slope adjustability for either the 2° or 6° slope models utilizing the unique telescoping legs.



HARDENED SCREEN SEGMENT

