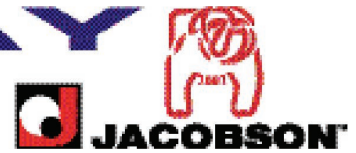


CARTER DAY

Sizing and Separating Equipment



PHAT BOY 36-4M UNIFLOW CLEANER/GRADER

SIZE DOES MATTER
MEASURE LENGTH AND DIAMETER

Phat Boy 36-4M Length Cleaner/Grader has been designed based on our Carter Day Uniflow. The cylinder is 36" in diameter and roughly 4 meters long made up of 12 Patented segmented cylinders. This machine has been designed to cover all the issues involved in large diameter length cleaning and grading.



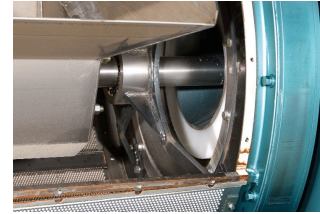
CARTER DAY

PHAT BOY 36-4M UNIFLOW



PHAT BOY DIRECT DRIVE DESIGN AND SPIDER CONNECTION

The shaft mounted direct drive offers reliability and ease of VFD control. The direct drive shaft connects via a Ring Feder bolted connection. The spider design is non-tubular in construction using welded plate and angle to create the spider.



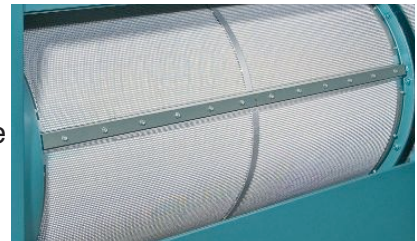
PHAT BOY SEAL CONE INLET ASSEMBLY AND UHMW SEAL

The Seal Cone Inlet is a patent pending design that moves the seal point away from the length grading process. The seal cone is tapered so the seal is moved up 2-4 inches and back 4 inches away from the length grading process. We match the seal cone with a split UHMW seal mounting on the inside of the cylinder around the inlet.



PHAT BOY CYLINDER CONSTRUCTION

The cylinder is made up of 12 patented segmented cylinders mounting to the end rings and center ring. We use a Trunnion Ring Support System to provide strength and ease of cylinder replacement. There is no discharge spider allowing for un-restricted product flow thru the cylinder discharge. This cylinder design provides a round cylinder that the 4 piece segments just cannot do.



PHAT BOY DISCHARGE TROUGH ASSEMBLY

The discharge assembly is also our standard Uniflow design. We also include a large window for studying the lifting process inside the machine.



PHAT BOY SPOUTING

We have used our standard removable Uniflow spouting arrangements on the Phat Boy. This provides quick replacement and lower cost than spouting found inside the end plates of the machine.

PHAT BOY TAPERED TROUGH AND SCREW AUGER

The patent pending tapered trough allows higher amounts of grain to flow thru the cylinder without the restriction of a tradition trough. This reduces back up to the seal and pinching of product giving you a false length grading. Our screen auger is bolted to the direct drive shaft for ease of replacement.



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