

# H&S

## 170 GRINDER-MIXER



# THE 170 GRINDER - MIXER

offers the convenience, dependability and smoothness of hydraulically operated feed making on your farm.

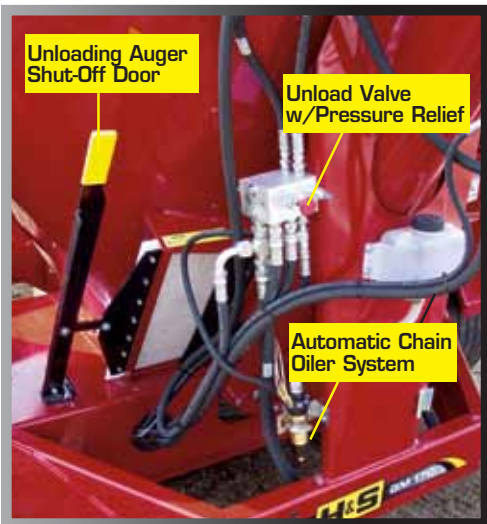
The 300 degree swing radius of the unloading auger allows repositioning of the discharge auger from one side of the machine to the other without moving the grinder-mixer.



An adjustable slip clutch on the auger rotation provides protection if foreign objects are encountered.

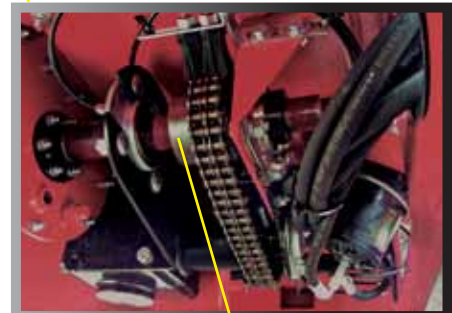


A 14" mixing bowl with a 30" base diameter mixing unit.



A slide style door provides easy opening for unloading. The automatic chain oiler system oils the drive chains when the discharged auger is raised.

A 12" diameter by 7' long hydraulic variable speed swinging intake auger (SIA) moves grain, ear corn, shelled corn, or other miscellaneous grains into the mill with ease. The hydraulic variable speed control allows you to keep the mill at maximum capacity.



The grinder mixer drive system is protected with an overrunning clutch for a smooth shut-down.

The C... Reservoir... circulation... the oil. The motor prov... of 10.5 G... 10 micron





ing auger with a  
provides superior  
formity.



yclonic  
provides  
n to cool  
e hydraulic  
vides a flow  
PM with a  
oil filter.

Two heavy-duty  
4" x 18" magnets  
remove any  
metal that may  
accidentally mix  
with the material  
entering the mill.

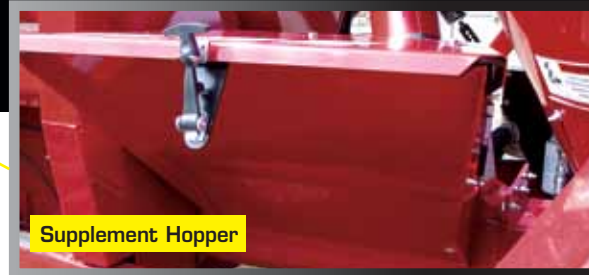


Screen Holder

Hydraulic Hose Holder

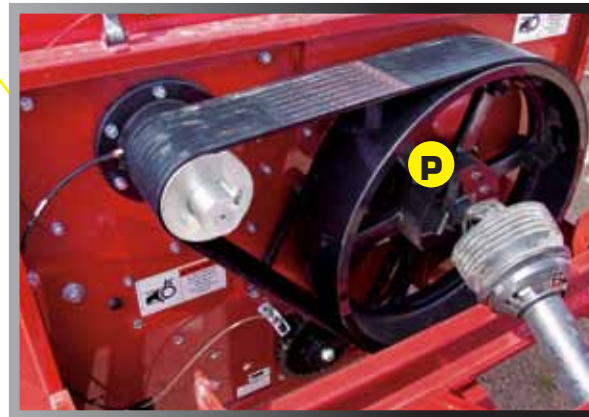
**The 170 Grinder-Mixer** feeding attachments and unloading mechanisms are all driven hydraulically - No drive belts, chains or gear clusters to wear out.

The self-contained hydraulic system includes a pulley-driven pump, cyclonic reservoir for maximum hydraulic cooling and a pressure relief valve. Two full length windows and a rear porthole window allow the operator to see feed levels.



Supplement Hopper

A 23" wide x 18" long supplement hopper with a sack cutter is side mounted 35" above the ground.



The PTO driven 21" grinder mill features an eight "A" section banded V-belt for a positive drive and a quick release pin (P) to disengage the mill.



21" Mill

Sixty-six thin hammers reduce horsepower requirements, cutting the material - not pounding it. Cutting action occurs against the throat plate while a suction fan pulls the ground feed through the screens. This allows for a more uniform mix for ration control. Twelve screens are available with sizes ranging from 1/8" to 2" in diameter to grind the grain to the consistency that you desire.

## OPTIONAL SCALES



A Digi-Star EZ 2500 scale or a EZ 3400 scale with external horn are optional.

# H&S GM 170 Specifications

TANK CAPACITY – BUSHEL	135
TANK CAPACITY – CUBIC FT.	170
TANK DIAMETER	72"
DIAMETER OF MIXING AUGER	14" DIAMETER W/30" BASE
LADDER	STANDARD - FRONT MOUNT OVER MILL
TANK WINDOWS	2 FULL LENGTH & 1 PORT HOLE STYLE
OVERALL HEIGHT	10' 7"
OVERALL WIDTH	7' 9" W/O AUGER FEEDER
OVERALL LENGTH	15' 8"
GROUND CLEARANCE	11' 5"
SUPPLEMENT HOPPER	23"W X 18"L - 35" ABOVE GROUND
FEEDER	GRAVITY HOPPER WITH SWINGING INTAKE AUGER (SIA)
PTO DRIVE	540 OR 1000 RPM
HORSEPOWER REQUIREMENT	540 RPM UP TO 115 HP - 1000 RPM UP TO 145 HP
TIRES	12.5L-15 - 20 PLY
JACK	STANDARD
WEIGHT	3,600#

## SWINGING INTAKE AUGER (SIA)

SWINGING INTAKE AUGER LENGTH	84"
SWINGING INTAKE AUGER DIAMETER	12"
INFEED HOPPER	42" W/FOLD-IN-FLARE - ADJUSTABLE AS LOW AS 20"
DRIVE	DIRECT DRIVE INDEPENDENT HYDRAULIC MOTOR

## MILL

HAMMERMILL WIDTH	21"
CYLINDER DIAMETER	20"
GRINDER DRIVE	8 "A" SECTION BANDED V-BELT
GRINDER HAMMERS	66-4 WAY REVERSIBLE STEEL ALLOY
GRINDER SCREEN AREA	600 SQUARE INCHES
THROAT MAGNETS	2 - 4" X 18"
CYLINDER SPEED	2700 RPM

## DISCHARGE AUGER

UNLOADING AUGER TUBE DIAMETER	8"
UNLOADING AUGER LENGTH	12'
UNLOADING AUGER ROTATION	300 DEGREES
UNLOADING AUGER REACH STANDARD	APPROX. 19' @ 53 DEGREES
UNLOADING AUGER W/3' EXTENSION	APPROX. 21'6" AT 53 DEGREES
UNLOADING AUGER W/6' EXTENSION	APPROX. 23'10" AT 53 DEGREES

## DRIVE SYSTEM

SELF-CONTAINED – INCLUDES PULLEY-DRIVEN PUMP, RESERVOIR & PRESSURE RELIEF VALVE WITH EXTERNAL HORN	
PUMP PRESSURE	3,200 PSI MAXIMUM
OIL FLOW	10.5 G.P.M.
HYDRAULIC RESERVOIR	CYCLONIC RESERVOIR
OIL FILTER	10 MICRON

## OPTIONS

• 3' & 6' DISCHARGE AUGER EXTENSIONS	• DIGI-STAR EZ 2500 ELECTRONIC SCALE
• TRANSPORT LIGHTING KIT	• DIGI-STAR EZ 3400 ELECTRONIC SCALE WITH EXTERNAL HORN
• HI-MOISTURE KIT	• MILL SCREENS

Warranty: See operators manual for warranty details and limitations. H&S reserves the right to change its products or the description at any time without notice or obligation.

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Models and specifications  
are subject to change  
without prior notice.

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