Haybuster is pleased to introduce the all new GP-50 Grain Processor. This grinder has been built with the proven grain grinding technology of the Haybuster H-1100 tub grinder, but with added capacity.

The GP-50’s recommended horsepower requirement is 200 HP to 300 HP. And the 50 inch (127cm) hammermill is fitted with triple hammers (132 hammers) placed in a spiral V pattern for increased grinding capacity.

The 14 inch (35.56cm) belly auger provides fast and positive removal of ground product from under the hammermill. The variable speed 18” (45.72cm) x 20’(6.1m) hydraulic folding stacking conveyor carries the product away from the hammermill and belly auger.

Options include your choice of the standard tilt baffled hopper with or without the 12 inch (30.48cm) hydraulic loading auger(5000 bu /hr) with 15”(38.1cm) low profile hopper, or the larger adjustable baffled Loader Hopper (127”(322.58cm) x 88”(232.52cm), 103 bu.), which will allow feeding with a front end loader. Both hoppers are hydraulically tilted for ease of maintenance and changing screens. Screens are the same size as Haybuster’s H-1100 tub grinder and come in sizes from 1/8” (.317 cm) to 8”(20.32 cm) round and a dummy open screen.
**WEIGHT:**

- With small hopper and auger: 7,300 lbs (3,311.22 kg)
- With small hopper: 6,620 lbs (3,002.78 kg)
- With large Loader Hopper: 7,410 lbs (3,361.12 kg)
- Tongue weight w/small hopper and loading auger: 1,600 lbs (725.75 kg)

**DIMENSIONS:**

- Transport width: 7’9”, 97” (2.36m)
- Transport height: 10’2”, 122” (3.09m)
- Transport Length: 22’, 264” (6.69m)
- Working width w/ auger: 22’, 266” (6.76m)

**HAMMER MILL:**

- **Speed**: 2550 RPM at 1000 PTO RPM
- **Length**: 50” (127cm)
- **Diameter**: 26” (66.04cm) w/ hammers extended
- **Hammers**: 3/8” (.952cm)
- **Number of hammers**: 132 in spiral V pattern (full coverage)
- **Rods**: 3/8” (.952cm) hardened
- **Cylinder plates**: ¾” (.635cm) x 15 ¾” (40cm)
- **Cylinder Shaft**: 3 ½” (8.99cm) Stress proof steel
- **Cylinder Bearings**: 3” (7.62cm) pillow Block

**SCREENS:**

- 1/8” (.317cm), 3/16” (.476cm), ¼” (.635cm), 3/8” (.953cm), 1/2” (1.27cm), 5/8” (1.59cm), 3/4” (1.91cm), 1” (2.54cm), 1 1/2” (3.81cm), 2” (5.08cm), 3” (7.62cm), 4” (10.16cm), 5” (12.7cm), 6” (15.24cm), 7” (17.7cm), 8” (20.32cm), open
- **Belly Auger**: 14” (35.56 cm)
  - Powered from PTO via Jack shaft.

**DISCHARGE CONVEYOR:**

- **Type**: Rubber belt with 1 ½” (3.81cm) high cleats
- **Drive**: Hydraulic w/infinite belt speed adjustments
- **Length**: 20’ (6.10m)
- **Width**: 18” (45.72cm)
- **Lift and fold**: Hydraulic
- **Min Discharge height**: 12” (30.48cm)
- **Max discharge height**: 15’7” (4.76m)

**LOADING AUGER (OPTIONAL):**

- **Auger Size**: 12” (30.48cm)
- **Capacity**: 5000 bu./ hr
- **Hopper depth**: 15’ (38.10cm)
- **Hopper Length-Width**: 60” (152.4 cm) x 30” (76.2 cm)
- **Power**: Dual hydraulic in series motors with infinite speed control

**HOPPER SIZES/CAPACITIES:**

- Both are hydraulically tilted
  - Small Baffled: 55” (139.7 cm) x 44” (111.76 cm)
  - Loader Hopper: 127” (322.58 cm) x 88” (232.52 cm) 103 bu

**HYDRAULIC REQUIREMENTS/CAPACITIES:**

- **Hydraulic reservoir**: 46gal (272.12 liters) in a Self contained hydraulic system
- **Number of tractor outlets**: 2 @ 8 gpm (30.28/m)/1500p.s.i. (10,342,135.92 Pascal)
- **One tilts grain tank the second runs all other functions.**

**TRACTOR REQUIREMENTS:**

- **Horsepower requirements**: 200 HP (149.14 kw) to 300 HP (232.71 kw)
- **PTO Requirements**: 1000 RPM
- **Options (choose)**: 1 3/8” (3.49cm) or 1 ¾” (4.45cm) shaft size

**GRINDING CAPACITY:**

- Dependent upon Horsepower applied, screen size and moisture content of product being ground.

**FEATURES:**

- 50” (127 cm) Hammermill and Screens
- 12” (30.48cm) Loading Auger with Low Profile Hopper
- 14” (35.6cm) Belly Auger
- 103 bu. Loader Hopper

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