



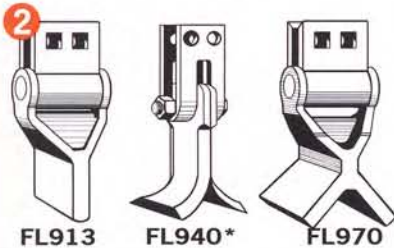
cover 10' pul-shredder with optional dual drive, dual struts and FL940 blades in California prunes.

right, 7' pak-shredder with standard left hand drive and FL940 blades. This machine has substituted the optional gauge wheels for the standard roller.



pak-flail shredder

1 Floating rakes comb uneven ground and lift prunings into the blade path.



FL913 FL940* FL970

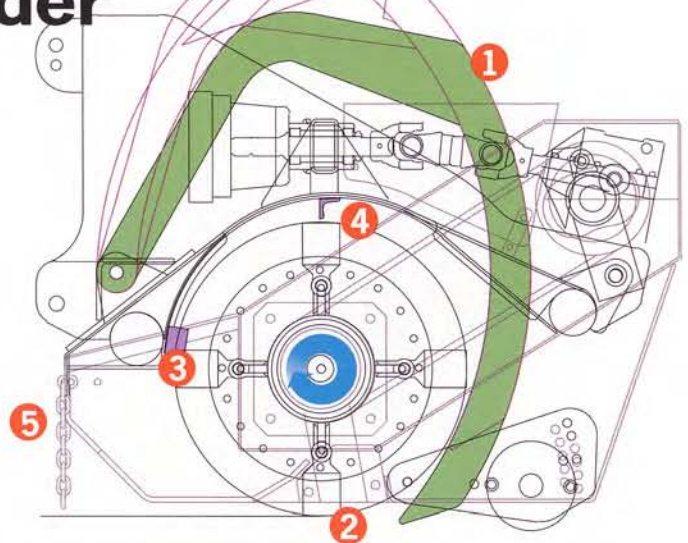
Blades. Knives. Hammers.

*available with hardfacing- FL946

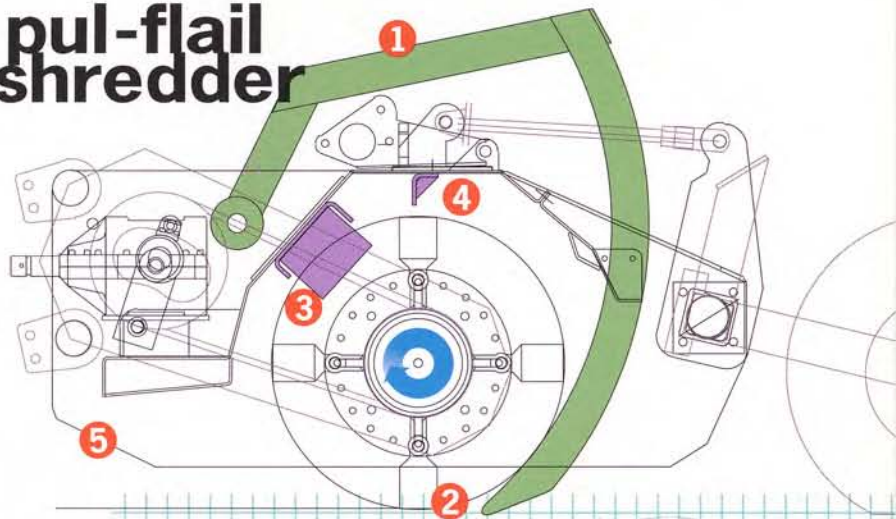
3 A fixed shear bar is mounted to the inside of the shredder housing with teeth that run across the width of the machine. With shredding knives installed, each knife will pass between the shear bar teeth 33 times each second at operating speed.

4 Material forced through the fixed shredder teeth is further gnashed between the blades and an angle shear bar- this second shear bar is mounted behind the first.

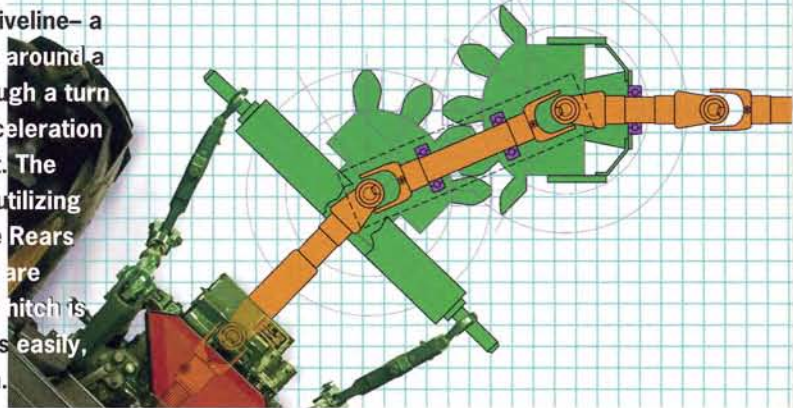
5 For ease of feeding, both the Pak and Pul Shredders are endowed with extra wide mouths: material is conveyed directly to the teeth with minimal restriction. The Pak shredder's mouth chain guard easily parts to allow material through, but each chain follows the contour of objects passing beneath, blocking the exit of debris. A brush shield is installed on the Pul shredder (see p.4) to aid feeding and to protect the operator.

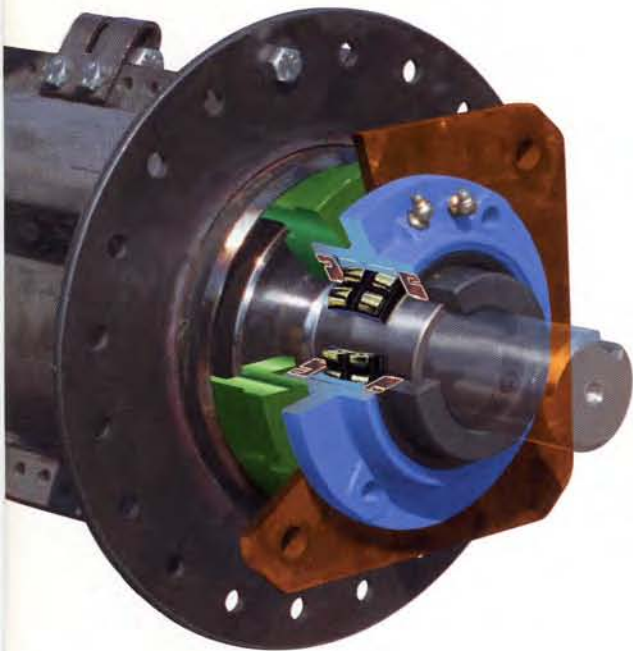


pul-flail shredder



Standard equipment with a Pul-shredder is our flexible driveline- a constant velocity hitch that will bend your tractor's power around a corner without bending your tractor. When powering through a turn using conventional driveline PTO systems, the angular acceleration and endthrust created punish both tractor and implement. The constant velocity hitch is a vastly more efficient conduit: utilizing two monster u-joints and an equal angle pivot system, the Rears hitch removes angular acceleration and endthrust. Turns are smoother, PTO systems last longer. Our constant velocity hitch is always aligned with your tractor's PTO shaft: swap tractors easily, there is no need to establish a center point for a hitch pin.

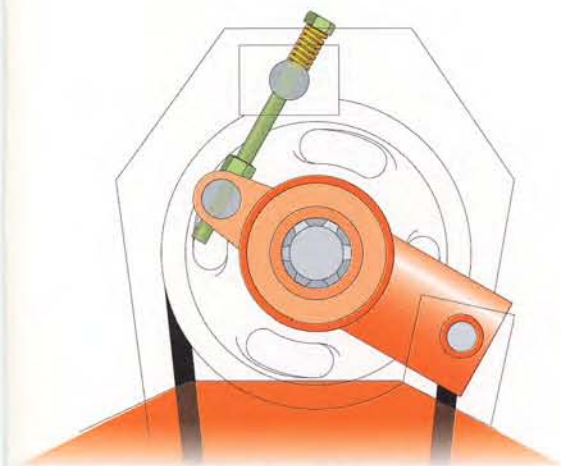
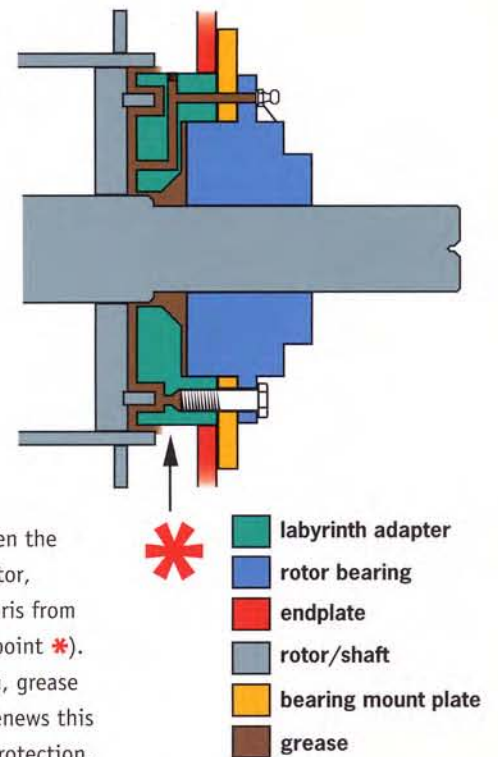




Both the Pak and Pul style flail use a double row spherical roller bearing with oversize rollers and eccentric locking collar. This rotor bearing features a freely rotating teflon steel inner seal—designed to perform in nasty environments and generate no heat.

The rotor bearing is nested in our labyrinth grease seal. The cut-away views, left and right, illustrate how the labyrinth grease seal protects the rotor bearings from contaminants.

Grease fills the cavity between the labyrinth adapter and the rotor, blocking the entrance of debris from within the flail housing (at point *). Before each day of operation, grease pumped into the labyrinth renews this seal for unequalled bearing protection.



Our simple jack-shaft tensioning system, illustrated above, pulls drive belts to their proper tension quickly: tightening one nut on the belt tensioning rod compresses the spring indicator— simply tighten until the spring indicates proper belt tension. Simple. Exact.

Our jackshaft tensioner, below, is built to absorb the radial and thrust loads on the jackshaft and to excel in dirty and wet conditions.



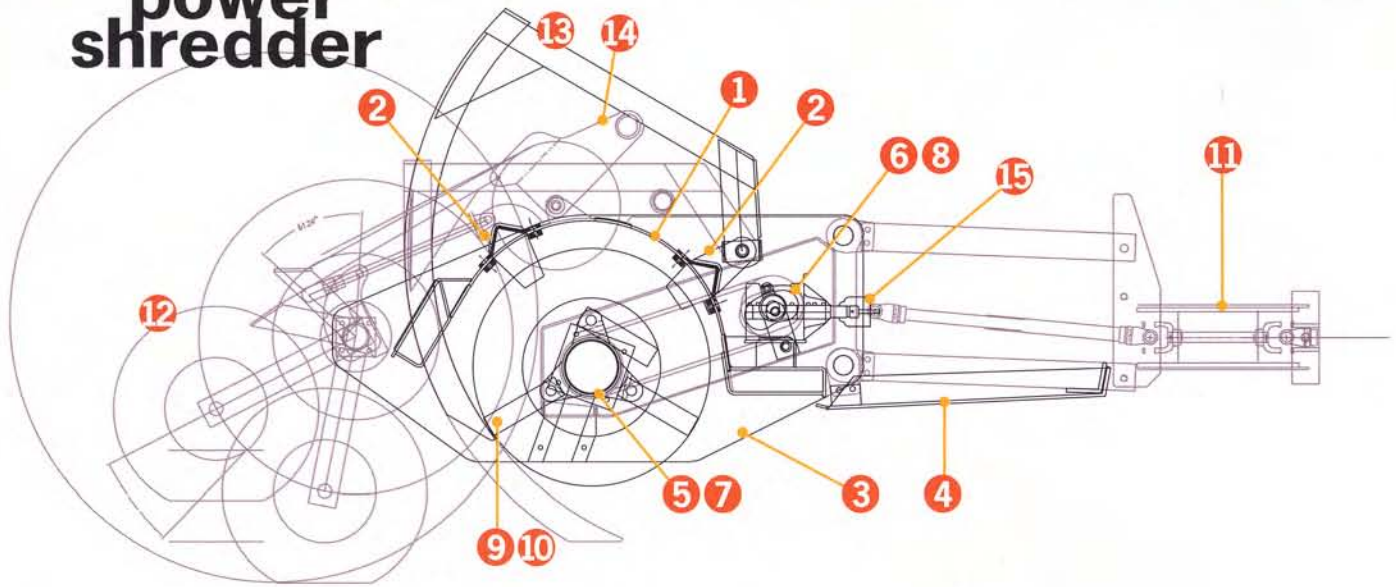
pak shredder

pul shredder

1	3 point mount	Category 1/2	Category 1/2 or Quick-hitch
2	Housing	Double wall- two $\frac{3}{16}$ " panels	Single $\frac{3}{16}$ " wall housing Optional $\frac{1}{4}$ " wall housing
3	Rotor	$6\frac{5}{8}$ " diameter mandrel $2\frac{3}{4}$ " dia. 1045 carbon steel rotor shaft $5\frac{1}{8}$ " x $1\frac{1}{2}$ " rotor bar— seam welded	
4	Rotor speed	1750 RPM	w/FL940: 2000 RPM w/FL913, FL970: 1750 RPM
5	Knife tip speed	10,000 FPM	@1750 RPM: 10,500 FPM @2000 RPM: 12,500 FPM
6	PTO drive	Shielded, low friction rolled spline shaft ASAE Category 6 U-joints 540 RPM standard, 1000 RPM optional	
7	Gearbox	85HP rated gearbox w/ 90° bevelled gear set	
8	Required Horsepower	8 - 10 HP/ft— consider rate of travel, terrain, and shredding mass	
9	Belt drive	4 groove 5VX notched powerband	5 groove 5VX notched powerband available with dual drive
10	Rotor bearings	2.44" double spherical roller bearing with auxilliary grease labyrinth seal	
11	Cutting height	$6\frac{5}{8}$ " dia. gauge roller with triple seal bearing and anti-wrap seal protection. • Cutting height: 0 - $4\frac{1}{2}$ " optional gauge wheels • Cutting height: 0 - 10"	Two single struts (dual struts optional) with 9.5L x 15 tires. • Cutting height with 3x8 cylinder installed: $\frac{3}{4}$ " - 8"
12	Unit weight	6' machine: 2285 lbs. wider machines add 163 lbs/ft + blades	6' machine: 3307 lbs. wider machines add 218 lbs/ft + blades
13		when cutting height = zero	
	Rake height	34"	37"
	Housing height	drive end: $29\frac{1}{2}$ " idler end: 24"	drive end: $28\frac{1}{2}$ " idler end: $27\frac{1}{2}$ "
14	Overall width	16" over swath	



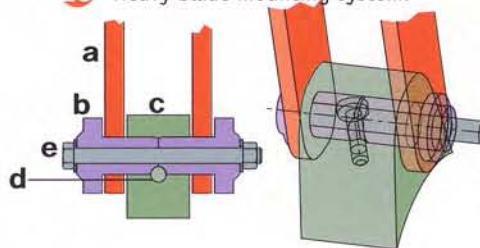
power shredder



- 1** $\frac{3}{8}$ " formed steel housing.
- 2** Two rows of $\frac{3}{4}$ " steel shear teeth- access to teeth is outside the housing.
- 3** $\frac{1}{2}$ " steel endplates.
- 4** Belly mounted brush shield channels material into the flail mouth and protects the operator.
- 5** Dual belt drives: 4 groove/5VX notched powerband with 200HP rating; utilize Rears' tensioning system.
- 6** 180HP rated 600 series Superior T gearbox. 1000 RPM configuration standard, 540 RPM available.
- 7** Rotor diameter 8 $\frac{5}{8}$ " / Swing line 35 $\frac{3}{4}$ " / Tip speed 12,500 FPM.
- 8** 100HP recommended for 7' model.

- 9** Reversible hardfaced knives of $\frac{3}{4}$ " AR Plate.

- 10** Heavy blade mounting system.



- a** foot long $\frac{3}{4}$ " knives
- b** dual 1 $\frac{1}{2}$ " dia. induction hardened 1045 steel blade pivot pin
- c** thick 2 $\frac{1}{2}$ " blade mount pad
- d** pin lock
- e** $\frac{5}{8}$ " Grade 9 bolt

- 11** Constant Velocity Hitch included.

- 12** Two dual struts with 9.5 x 15 tires.

- 13** Heavy duty floating rake teeth.

- 14** Rake retractor automatically lifts rakes with axle.

- 15** Over Running Clutch included.

dealer

For more information contact your dealer, at left.

To find a dealer in your area, call

1 800 547 8925

rears mfg co, 2140 prairie rd, eugene, oregon, 97402



REARS