

# **PROGRESSIVE** **TURF EQUIPMENT**

## **Tri-Deck**

### **22 Foot Rotary Finishing Mower**



**ALL MOWERS ARE  
NOT CREATED EQUAL!**



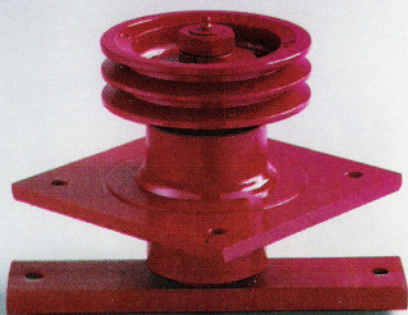
**The First Trail  
Type Rotary  
Mower that will:**

- *increase productivity*
- *give a superior quality cut*
- *reduce operating cost*



# THE PROGRESSIVE TRI-DECK MOWER GIVES YOU BUILD

## PRODUCTIVITY WITH



### HEAVY DUTY BLADE SPINDLE ASSEMBLIES

are fabricated and machined to exact tolerances. The spindles turn in greaseable ball bearings. Long blade support bar reduces blade flex to provide a clean, level cut.

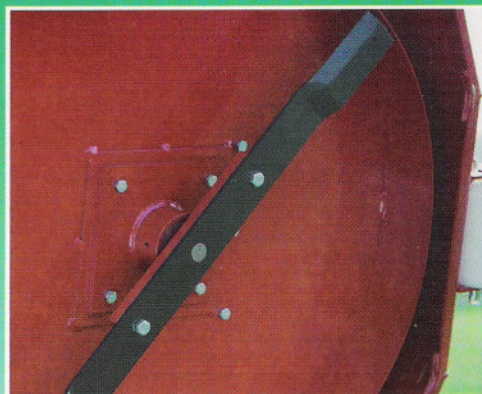
Steel dirt shield below bottom bearing gives protection from any debris that could otherwise damage seal in bearing. A grease zerk on top of the spindle distributes lubrication to both bearings. A nut and lock washer hold assembly together. All spindle assemblies are interchangeable. Blades are attached to the support bar with 2-1/2" x 1-3/4" bolts.



## SOLID CONSTRUCTION = DEPENDABLE SERVICE



*The main frame wings* are fabricated from heavy wall structural tubing with reinforced high stress areas. All pivot locations are greaseable. All pivot pins are held in place on moving member, thereby eliminating wear.



*All spindle locations* have extra plates welded in, to give additional support. Spindles are greaseable from top side without removing the belt shields. Spindles can be removed from deck without disassembly.



*A single piece 3/16" steel deck* is formed and welded, with bracing at high stress areas to provide maximum structural strength. Open back discharge allows clippings to be dispersed without bunching up, leaving an after cut appearance, second to none.



*The input driveline* has two category #6 PTO shafts. This proven system allows for smooth 180 degree turns, easier attachment to tractor, less repairs and maintenance.



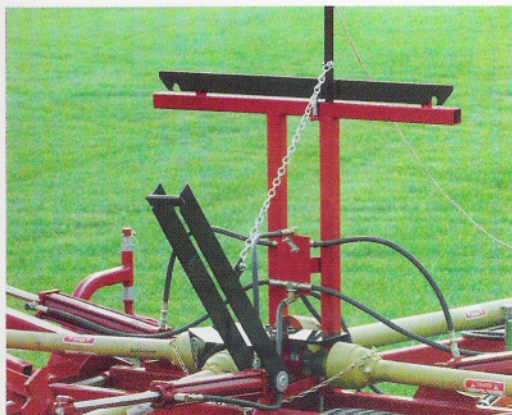
*The heavy duty gear box*, with machined and case hardened gears, transmits power to the mower decks. All PTO shafts have ring lock collars instead of pins for additional safety. Oil level dip stick and drain plug allow for easy maintenance.

## YEAR AFTER YEAR



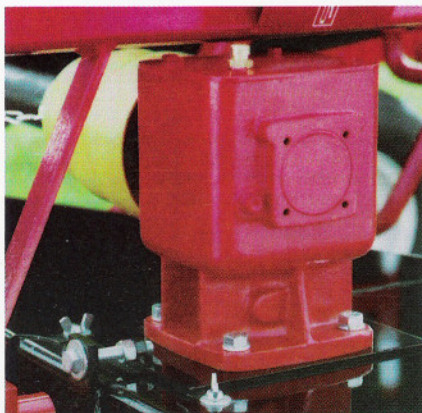
**IN-DURABILITY, EASE OF OPERATION AND ABOVE ALL**

# **A QUALITY CUT**



## **AUTOMATIC LOCK**

system is deactivated from the tractor seat. System control valves regulate the lifting and lowering speed of the mower decks. All PTO shafts run at minimum angle for maximum life expectancy.



## **BELT TIGHTENING**

is done by loosening 4 bolts at the base of the gear box and sliding it ahead or back. Heavy duty deck gear boxes have oil level dip stick and drain plug at base for easy oil changes.



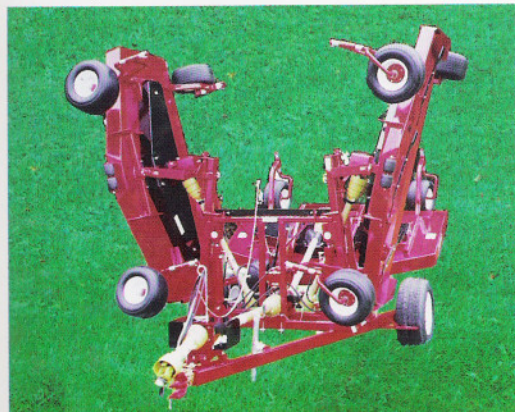
## **EASILY CHANGE BLADES**

with all decks in raised position. Automatic safety locks hold all decks in place with the hydraulics disconnected. Anti-scalp rollers are attached on both wing decks.



## **EXCELLENT FLOATATION**

is obtained with 12 large low pressure floatation tires, all staggered, providing minimum soil penetration and compaction.



## **NARROW TRANSPORT**

width of 9 1/2 ft. is achieved without disconnecting PTO shafts. Radial automotive tires allow mower to be moved conveniently to distant locations.



## **HEAVY DUTY PIVOTS**

allow each deck to float and follow the ground contours providing a very clean and even cut. All pivots are greaseable.



## **DAILY MAINTENANCE AND SERVICING**

can easily be performed in the field. The PTO shafts have ring lock collars for easy removal and additional safety. All blade spindle assemblies can be easily removed from the deck as a complete unit. The blade spindles are greaseable from the top side of the decks, through lubrication holes in the belt guards. A diagram showing greasing locations and schedule is attached, showing where and when to apply grease. Belt guards have wing nut hold downs for fast removal without tools. All mower deck components are totally interchangeable.



## **CUTTING HEIGHT ADJUSTMENT**

can be done simply by removing lynch pins from the top of each castor stem and moving the spacers either above or below support tube as required. Castor pivots are greaseable and have replaceable bushings. Wheel hubs are greaseable as well. Six ridged "In Line" tires keep mower in place while moving along hillsides.



# QUALITY CUT - EXCELLENT FLOATATION

The **Progressive TD92 Tri-Deck Rotary Finishing Mower** was designed to be used with the popular 50 HP tractor. This combination will provide the most cost effective system on today's market. Not only will it increase your productivity with fewer man hours, but you will obtain a quality of cut that is second to none. Working like 3 independent cutting units, the **Progressive TD92 Tri-Deck** rides on large floatation

tires following the ground contours - cutting a 22 ft. wide swath - at speeds up to 7 1/2 mph. Our high lift rotary blades create a powerful vacuum that lifts the grass for a clean even cut and then disperses the clippings evenly through the rear discharge system without leaving windrows, in both wet and dry conditions. Along with these quality features you get a machine that is simple to operate and easy to maintain.

## SPECIFICATIONS

<b>Cutting Width</b>	22 feet
<b>Cutting Height</b>	Easy to use spacer bushings allow adjustment from 3/4" to 5" - 3/8" steps.
<b>Recommended PTO HP</b>	45Min. - 70Max. PTO
<b>Hydraulics</b>	Requires 1 double acting outlet, all hoses supplied to tractor
<b>Transport Width</b>	9 1/2 feet
<b>Height</b>	10 feet
<b>Length</b>	16 feet
<b>Ground Clearance</b>	9 1/4"

<b>Ground Pressure</b>	7 pounds per square inch
<b>Tire to Ground</b>	630 square inches of contact
<b>Deck Flexibility</b>	25° up 15° down, 12° front to back
<b>360 Degree Turn</b>	0° Uncut circle
<b>Number of Tires</b>	10 on decks, 2 transport on main frame
<b>Weight</b>	4100 Pounds
<b>Mowing Capacity</b>	MPH                      2                      4                      6                      7 1/2 Acres per hour      5.4                      10.7                      16                      20
<b>Paint Finish</b>	Electrostatically painted with oven baked finish
<b>SMV Sign</b>	Located at back of mower for safety.

### DECK (ALL REAR DISCHARGE)

<b>DECK DRIVE</b>	PTO shaft to right angle gear box driving 2-"B" section belts to 3 heavy duty spindles
<b>BELT ADJUSTMENT</b>	Easily made by loosening four bolts at gear box base and adjusting the slide plate forwards or backwards and retightening.
<b>DECK CONSTRUCTION</b>	A single PC 3/16" steel plate formed and welded with supporting members at high stress areas to achieve maximum structural strength. Deck is 5" deep
<b>SPINDLES</b>	9 spindles 35mm diameter spindles are each carried in 2 greaseable ball bearings which are housed in precision machined hub.
<b>BLADE SUPPORT</b>	3/4" x 2 1/2" x 11 1/2" long bar welded to spindle and machined. 1/2" bolts hold blade rigid to provide a clean, level cut.
<b>BLADES</b>	High lift, heat treated, alloy steel blades 5/16" x 2 1/2" x 32" - 3 per deck
<b>SPEEDS</b>	Tractor PTO - 540 RPM Blades - 2215 RPM Blade Tip Speed - 18,547 F.P.M.
<b>CASTORS</b>	18 x 9.50 x 8 NHS, 4 ply pneumatic tires mounted on 5 bolt wheels. All hubs are replaceable, interchangeable and greaseable. Replaceable castor pivot bushings.

### FRAME

<b>"A" FRAME</b>	Hollow structural steel tubing with supports at high stress areas to achieve maximum strength.
<b>AXLES</b>	Rated at 4000lbs. each and are greaseable.
<b>WHEELS</b>	6 bolt, 6" bolt circle
<b>TRANSPORT TIRES</b>	P275/60SR 15" automotive radials.
<b>HITCH</b>	4 positions, with height settings from 10 1/2" to 15". Safety chain with hook according to Dept. of Transport regulations.
<b>TONGUE WEIGHT</b>	Transporting- 965 Pounds Mowing- 360 Pounds
<b>CYLINDERS</b>	Rear deck: 1 - 2 1/2" x 16" double acting Wing decks: 2 - 3" x 16" double acting
<b>SCREW JACK</b>	2000 lbs. top wind jack for easy hook up.
<b>MAIN GEAR BOX</b>	4 shaft gear box with 1 3/8" - 6 spline shafts, delivering power to decks.
<b>PTO SHAFTS</b>	Telescoping, agricultural PTO drive shafts, with proper safety shields. 1 3/8" - 6 spline quick-disconnect yokes on both ends with ring lock collars. Input PTO... Category #6. Deck PTO... Category #4.
<b>OPTIONS</b>	Low lift blades Anti-scalp roller kit (6 pieces)

NOTE- SOME PICTURES MAY SHOW GUARDS REMOVED FOR DESCRIPTIVE PURPOSES.



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