



11tRIPr[®]

**Precision Strip-Tillage
For Ideal Planting Conditions**



A TOUGH ACT TO FOLLOW

STRIP-TILLAGE TOOL

PRECISION SEEDBEDS IN A SINGLE PASS

The Orthman 1tRIPr® strip-tillage tool is designed, engineered and built to last for years of dependable production. 3-point mounted models feature the time-tested and innovative Orthman toolbar with internal hydraulic fold cylinders and in-line boring of the wing hinges for long-term, trouble-free operation. The pull-type 1tRIPr XD model features a rugged design and narrow transport width to easily move from field to field. The cast-iron strip-tillage row unit features independent depth control and shatters compaction from 4" to 12" deep. Strip-tillage helps prevent erosion by retaining most of the soil structure, promotes water infiltration, and creates a warm and consistent seedbed for roots to grow. To maximize yields, the 1tRIPr tool can be equipped with the TRU-aPLYr® dry or liquid fertilizer system to deliver nutrients during the strip-tillage pass. Other accessories include a rear NH3 nurse tank hitch, shallow tillage coulter strip-fresheners and lift-assist packages for 3-point models.



THREE PRINCIPLES OF SUCCESSFUL PRECISION STRIP-TILLAGE

More seedbeds on more acres around the world are prepared with the Orthman 1tRIPr strip-tillage tool than with any other because in one pass across the field, the 1tRIPr tool manages all three principles of successful strip-tillage:

1. IDEAL SEEDBED PREPARATION

For a quick start and robust germination, the 1tRIPr strip-tillage tool maximizes existing soil moisture and increases water infiltration to create a warm, consistent seedbed with uniform seed-to-soil contact.

- Provides a smoother planter ride for better performance
- Warm, consistent seedbed for quick start and robust germination
- Increases water infiltration and maximizes existing soil moisture



2. PRECISION NUTRIENT PLACEMENT

The 1tRIPr strip-tillage tool works with dry, liquid or NH3 fertilizers, and its independent row-depth control ensures precise placement of multiple nutrients at adjustable depths for efficient uptake timing.

- Independent row-depth control for precise placement and enhanced uptake
- Precisely places multiple nutrients at variable depths
- Targets absorption triangle for proper stage and use



3. OPTIMAL ROOT-ZONE CONDITIONING

Create an ideal plant growth environment by shattering compaction, eliminating subsoil voids and creating twice as many soil pores for improved below-ground development.

- Shatter root-zone compaction, eliminate subsoil voids and create beneficial pores
- Precision-tilled zone creates warming effect and an ideal growth environment
- Early root growth during vital V1 to V5 stage and late-stage development to improve yield results





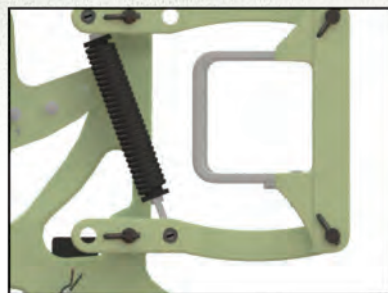
WHY THE 1tRIPr STRIP-TILLAGE TOOL IS A TOUGH ACT TO FOLLOW

Orthman row units pack all the latest precision tillage technology into one rugged package. They are engineered to create ideal soil conditions for maximum yields while minimizing input costs for a successful strip-till seedbed.



1

MOUNTING DESIGN



Each row unit utilizes wrap-around parallel linkage mounts with 8" of vertical travel and greaseless bushings for maintaining consistent tillage depth and fertilizer placement across the entire machine. The heavy-duty force-through mounting design and wedge-locking system mounts steel to steel to stand up to the rigors of strip-tillage.

2

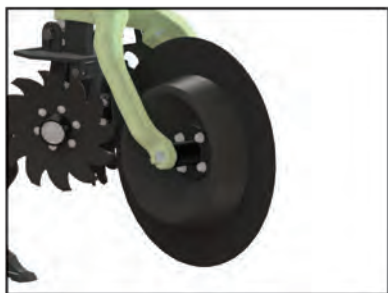
TRIP LINKAGE



The 1tRIPr strip-tillage tool is available with a shear-bolt protected row unit for use in rock-free soils or an auto-reset style row unit that will trip up and over an obstacle and then reset back into the soil automatically without any operator involvement.

3

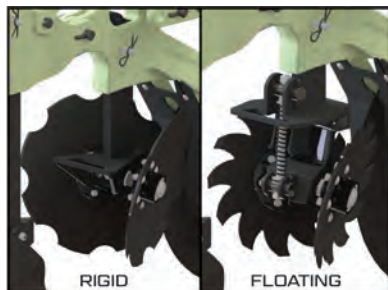
DEPTH BAND COULTER



The lead 22" depth band coulters easily slices through residue, creating a path for the shank, and features a sealed bearing to conquer the toughest strip-till conditions. The depth band maintains precise tillage depth and on-target fertilizer placement from row to row and features a standard scraper to remove soil buildup in sticky conditions.

4

ROW CLEANER



Choose from a rigid or floating row cleaner to remove residue from the strip. The rigid row cleaner features 16" notched discs and vertical height pin adjustment. The floating row cleaner uses 13" shark-tooth style blades to remove the toughest residue from the row and features vertical height pin adjustment as well as down pressure adjustment.

5

PRECISION-TILL SHANK



The 1" x 4" steel precision tillage shank features a patent-pending point that lifts the soil to reduce voids and eliminate yield-robbing compaction from 4" to 12" deep. Shanks can be equipped with liquid or NH3 fertilizer tubes or dry fertilizer boots that adjust independently from the shank to place nutrients right where they're needed.

6

CLOSING COULTER



Following the precision-till shank, the angle and width adjustable 18" wavy closing coulters concentrate the soil within the strip for a consistent seedbed from row to row and help secure fertilizer placed in the strip. These closing coulters help set the planter row unit up for a smooth ride through the field.

7

CONDITIONING BASKET



Finishing off the strip-tillage pass is the key to a perfect seedbed. The 1tRIPr rolling basket features adjustable down pressure to break up any remaining clods and ensure a smooth planter row unit ride. Choose from a standard straight blade basket, narrow straight blade basket, a concave berm-promoting basket or rubber rollers to firm lighter soils.

8

ROW UNIT ADJUSTMENT



The 1tRIPr strip-tillage tool row unit features multiple adjustments so you can fine-tune the machine to match your tilling needs. The row cleaner height, shank depth and closing coulters depth can all be adjusted independently to create the desired strip conditions for your soil type.





3-POINT MOUNTED MODELS

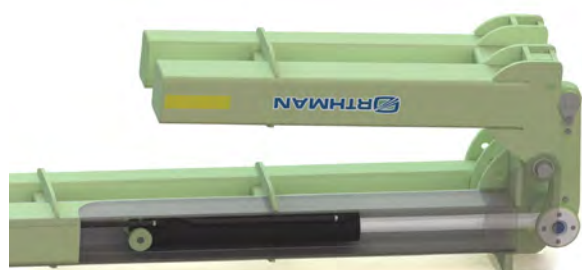
TIME-TESTED 3-POINT MOUNTED TOOLBARS WITH INNOVATIVE STRIP-TILL ROW UNITS

3-point mounted 1tRIPr strip-tillage tools use the time-tested Orthman toolbar with innovative internal hydraulic fold cylinders and in-line boring of the fold hinges for long-term, trouble-free use.

- Rigid models feature a single 7" x 7" toolbar and are available from 4 rows up to 8 rows with spacings ranging from 22" to 40" to meet individual grower needs
- Folding models are available from 8 rows up to 18 rows with spacings ranging from 20" to 40" and feature a double 5" x 7" front and 7" x 7" rear frame or double 7" x 7" frame, depending on size



	3-Point Mounted 1tRIPr Specifications											
Size	4-Row		6-Row		8-Row		12-Row		16-Row		18-Row	
Row Spacing	30"		30"		30"		30"		30"		30"	
Rigid/Folding	Rigid		Rigid		Rigid		Folding		Folding		Folding	
Fold Style	-		-		-		180° Fold		180° Fold		160° Fold	
Toolbar	Single 7x7		Single 7x7		Single 7x7		Double 5x7/7x7		Double 7x7/7x7		Dbl 7x7/7x7 w/Top Truss	
Hitch	CAT 3/3N		CAT 3/3N		CAT 3/3N		CAT 4/4N		CAT 4/4N		CAT 4/4N	
Conditioner	14" Basket		14" Basket		14" Basket		14" Basket		14" Basket		14" Basket	
Shank Trip	Shear-Bolt	Auto-Reset	Shear-Bolt	Auto-Reset	Shear-Bolt	Auto-Reset	Shear-Bolt	Auto-Reset	Shear-Bolt	Auto-Reset	Shear-Bolt	Auto-Reset
	No Fertilizer System											
Transport Width	9'8"		15'		20'		16'10"		21'8"		26'11"	
Approx. Weight	3,100	3,220	5,350	5,530	6,970	7,210	11,240	11,600	15,375	15,855	18,030	18,570
Min. H.P. Required	100		150		200		300		400		450	
	TRU-aPLYr Dry Fertilizer System With TRU-Steer Cart											
Capacity	Dual 6-Ton Tanks (12-Ton Total Capacity)											
Tires	-		-		-		Single 380/90 R46 Tires		Single 380/90 R46 Tires		-	
Transport Width	-	-	-	-	-	-	13'				-	-
Transport Height	-	-	-	-	-	-	12'1"				-	-
Approx. Empty Weight	-	-	-	-	-	-	9,970				-	-
	TRU-aPLYr Liquid Fertilizer System With TRU-Steer Cart											
Capacity	Dual 1,000-Gallon Tanks (2,000-Gallon Total Capacity)											
Tires	Single 380/90 R46 Tires		Single 380/90 R46 Tires		Single 380/90 R46 Tires		Single 380/90 R46 Tires		Single 380/90 R46 Tires		-	-
Transport Width	11'6"										-	-
Transport Height	10'9"										-	-
Approx. Empty Weight	7,475										-	-
*30" row spacing models are shown as a baseline. 22", 36", 38" and 40" models are also available depending on size. Due to continuing improvements, all specifications contained herein are subject to change without notice.												



The innovative internal hydraulic fold cylinder on the Orthman 1tRIPr 3-point toolbar permits a wide range of row spacings and configurations because of the clean toolbar design. In-line boring of the toolbar fold hinges ensures smooth, trouble-free operation during the wing fold process.



For 3-point 1tRIPr models, complete lift-assist wheel packages are available for easier raising of the strip-tillage machine. Lift-assist wheel packages can also be equipped with a combo stringer to hitch a planter for one-pass planting or a nurse tank hitch for towing NH3 tanks.

► Visit OrthmanEquip.com to find your nearest 1tRIPr strip-till dealer today.



RUGGED PULL-TYPE STRIP-TILL FRAMES FOR LONG-TERM PERFORMANCE

Built for today's high-acreage, high-performing farming operations, the 1tRIPr XD strip-tillage tool features a large frame design with innovative row units and a wide variety of fertilizer delivery options.



- The XD pull-type models of 1tRIPr strip-tillage tools are available in 8- to 18-row configurations with row spacings ranging from 20" to 40"
- The standard double 7" x 7" toolbar can withstand the demanding needs of any strip-till application, while the transport lighting and CAT 3/4 hitch (optional CAT 5) ensure safer road transport
- The vertical fold toolbar design features in-line boring of the fold hinges for smoother and more reliable operation. Narrow transport models are available, depending on the size of machine, for safer transport from field to field
- XD models feature rear-mounted 380/90 R46 single wheels and tires, with optional 480/80 R50 single wheels and tires or duals for increased flotation
- XD combo models are designed to hook 3-point mounted planters to the rear of the strip-tillage machine for one-pass planting and feature six 385/65 R22.5 tires. XD combo models are available in 8-, 12- or 16-row configurations with 30" row spacing



1tRIPr XD STRIP-TILLAGE



1tRIPr XD COMBO STRIP-TILLAGE

	Pull-Type 1tRIPr XD Specifications							
Size	8-Row XD		12-Row XD		16-Row XD		18-Row XD	
Row Spacing	30"		30"		30"		30"	
Hitch	CAT 3/4		CAT 3/4		CAT 3/4		CAT 3/4	
Conditioner	14" Basket		14" Basket		14" Basket		14" Basket	
Shank Trip	Shear-Bolt	Auto-Reset	Shear-Bolt	Auto-Reset	Shear-Bolt	Auto-Reset	Shear-Bolt	Auto-Reset
	No Fertilizer System							
Wheels/Tires	Single 380/90 R46		Single 380/90 R46		Single 380/90 R46		Single 380/90 R46	
Transport Width	11'6"		16'8"		22'2"		27'10"	
Transport Height	11'8"		12'6"		13'3"		13'6"	
Transport Length	26'6"							
Approx. Weight	15,840	16,060	19,080	19,410	23,280	23,690	25,290	25,790
Approx. Tongue Weight	4,950	5,025	6,200	6,315	7,935	8,090	8,635	8,810
	TRU-aPLYr Dry Fertilizer System							
Fertilizer Capacity	Dual 6-Ton Dry Fertilizer Tanks (12-Ton Total Capacity)							
Wheels/Tires	-		Single 480/80 R50 Tires		Single 480/80 R50 Tires		-	
Transport Width	-		16'8"		22'2"		-	
Transport Height	-		12'6"		13'3"		-	
Transport Length	-		31'0"				-	
Approx. Empty Weight	-	-	24,470	24,780	28,670	29,080	-	-
Approx. Empty Tongue Weight	-	-	5,760	5,875	7,490	7,650	-	-
Approx. Loaded Weight	-	-	3,630	3,745	5,360	5,520	-	-
Size	TRU-aPLYr Liquid Fertilizer System							
Fertilizer Capacity	Single 1,000-Gallon Liquid Fertilizer Tank							
Wheels/Tires	Single 380/90 R46 Tires		Single 380/90 R46 Tires		Single 380/90 R46 Tires		Single 480/80 R50 Tires	
Transport Width	11'6"		16'8"		22'2"		27'10"	
Transport Height	11'8"		12'6"		13'3"		13'6"	
Transport Length	26'6"							
Approx. Empty Weight	17,150	17,370	20,380	20,710	24,590	25,000	26,810	27,310
Approx. Empty Tongue Weight	4,910	4,990	6,160	6,280	7,895	8,050	8,600	8,775
Approx. Loaded Tongue Weight	4,565	4,645	5,820	5,935	7,550	7,710	8,255	8,430
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OPTIONS + ACCESSORIES

CUSTOMIZE YOUR 1tRIPr STRIP-TILLAGE TOOL

The TRU-aPLYr® fertilizer system is a complete delivery platform that works with both the 1tRIPr 3-point and XD pull-type models to deliver valuable nutrients in-row during the strip-tillage pass.

TRU-aPLYr DRY FERTILIZER SYSTEM

The TRU-aPLYr dry fertilizer system features dual 6-ton tanks for a 12-ton total capacity of dry fertilizer. Each hopper uses a standard scale system to accurately track the weight of each hopper individually, weather-tight lids and debris filter screens.

Fertilizer is precisely and accurately applied with an innovative electric-drive metering system, a standard ISOBUS rate controller that integrates with field prescriptions, 4-section plumbing and a high-performance fan that is designed for higher application rates.

The TRU-aPLYr dry fertilizer system works with 8- to 18-row 1tRIPr strip-tillage tools, depending on model, and can accommodate row spacings from 22" to 40" depending on toolbar size. For 3-point models, the TRU-aPLYr system undercarriage can be equipped with 46" or 50" tires mounted on single or dual wheels.

TRU-aPLYr LIQUID FERTILIZER SYSTEM

The TRU-aPLYr liquid fertilizer system features a 2,000-gallon tank capacity for 3-point mounted 1tRIPr models to apply liquid fertilizer in-row during the strip-tillage pass. This system can be mounted on 4- to 16-row 1tRIPr models and can accommodate row spacings from 22" to 40" depending on toolbar size. For 3-point models, the TRU-aPLYr system undercarriage can be equipped with 46" or 50" tires mounted on single or dual wheels.

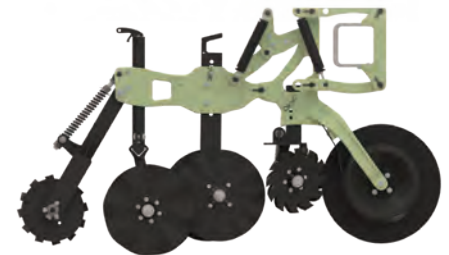
OTHER OPTIONS + ACCESSORIES

All 1tRIPr models can be equipped with a shallow tillage couler system that replaces the standard 1" thick x 4" deep shank. The dual 18" vertical tillage coulers freshen the strip and can till up to 6.5" deep.

Both the 3-point mounted and XD pull-type 1tRIPr models can be equipped with a rear nurse tank hitch for towing an anhydrous ammonia tank.



TRU-aPLYr LIQUID FERTILIZER



SHALLOW TILLAGE COULTERS

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