

MORRIS

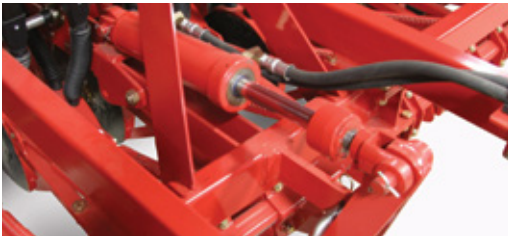


M1000

**DOUBLE DISC
PRESS DRILL**

SEED, FERTILIZE AND PACK IN ONE OPERATION

The **M1000** is a double disc press drill seeder preferred by farmers who seed into pre-worked, harrowed seedbeds.



ACCURATE DEPTH CONTROL

The spring loaded double disc openers are mounted directly to a square tubular rockshaft mounted under the front of the machine and accurately place the seed and fertilizer in the soil at the set depth. An adjustable stop collar on the depth cylinder ensures precise, consistent seed depth at all times.



The row spacing is set at 15.24 cm (6-inches) to fully utilize the seedbed and provide good swath support at harvest time. Adjacent openers are offset front to back by 15.24 cm (6-inches) to ensure consistent ground following. A 58.42 cm (23-inch) steel packer wheel follows each opener for consistent soil to seed contact.



STABILITY IN TRANSPORT

Large acreages can be quickly and accurately covered by combining multiple units of the M1000 Press Drill. Units from 3.05-18.29 m. (10-60 ft.) are available and are equipped with a quick fold field hitch on units 6.1 m. (20 ft.) and up. Excellent transport stability is assured with the two lockable castor wheels for every 3.05 m. (10 ft.) section. These optional transports make moving from field to field a simple one-person operation.



FRONT CASTOR

The M1000 comes standard with a 9.5L x 15SL single tire front castor. For softer field conditions, an optional 9.5L x 15FL dual tire front castor is available.

MARKERS

Optional markers have a fail-safe device to help prevent damage to the unit should it hit an object. These hydraulic wheel markers are available both for duplex (6.1 m. / 20 ft.) width and triplex (9.1 m. / 30 ft.) width machines.



SIMPLE SEED AND FERTILIZER RATE SETTING

A three-range variable speed sprocket drive transmission coupled with a unique metering system gives unrivaled seeding uniformity for a wide range of seeds from alfalfa to peas to beans. The simple quick change sprocket drive allows for 7 standard settings in each of the three speed ranges with an additional 23 optional settings available for each range.

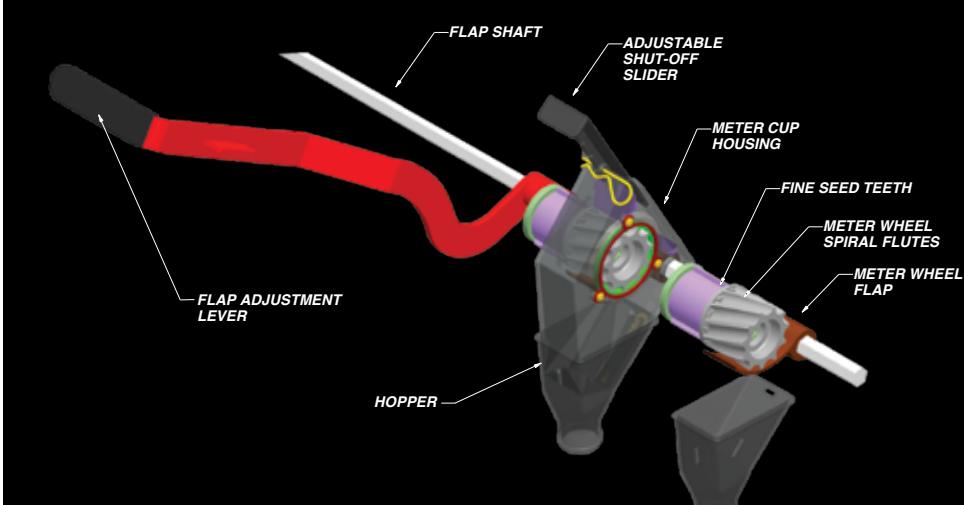
Two transmissions are used on each drill, one for fertilizer and one for seed. Both are conveniently located on the front corners of the M1000 for easy access.



The heart of any press drill is the metering system. The unique design of the metering system used by Morris is no exception and has numerous features incorporated into it. Two stage metering wheels are used in each metering cup. The small pegged portion of the wheel is for fine seeds such as alfalfa or canola, while the spiral fluted portion is for coarse grains and large seeds such as peas or beans. The spiral fluted wheel ensures a steady flow of seed that eliminates pulsing at lower seeding rates. Changing from a coarse to fine seed is simply done by turning the metering shaft adjustment bolt to the desired setting. The single bolt adjustment moves all the metering wheels on the shaft at once.

Each seed and fertilizer cup features a shut-off slide to allow for varied row spacing and a collector cup that is easily removed for inspection or cleaning.

The metering system is driven by a wrap spring clutch and is protected from damage by a shear pin in the clutch.



CONVENIENT SINGLE LEVER FLAP CONTROL

A single adjustment lever controls an output flap located in each cup. These flaps ensure consistent seed flow and are adjusted to suit the size of seed and fertilizer being metered. Opening the flaps fully gives a quick, easy and convenient box cleanout.



SEED BOX

The M1000 has a large capacity two compartment box with individual lids. The front compartment holds 669 litres (18.4 bushels) of seed. The rear compartment holds 449 kg. (990 lbs.) of fertilizer or an additional 488 litres (13.4 bushels) of seed for a total of 1157 litres (31.8 bushels). Product level indicators are standard for both seed and fertilizer compartments. A removable seed box agitator in the front compartment maintains even seed level and helps prevent bridging.

M1000
Specifications and Options

Model	M1000
Depth	13 ft (3.962 m)
Height	5 ft 2 in (1.575 m)
Weight - Empty	4250 lbs (1928 kg)
Working Width - One Drill	10 ft (3.048 m)
Transport Width - One Drill - Two & Three Drills - Four, Five & Six Drills	10 ft (3.048 m)
	15 ft (4.572 m)
	17 ft (5.182 m)
End Ways Transport	Optional
Product Box Capacity - Seed - Fertilizer - Total Product Capacity	18.4 bu (669 litres)
	990 lbs (449 kg)
	31.8 bu (1157 litres)
Number of Rows	2
Number of Openers	20
Opener Spacing On Same Row	12 in (30.5 cm)
Opener Rank Offset	6 in (15.2 cm)
Disc Size	Disc. 0.95 x 13 7/8 OD (2.4 cm x 35.2 cm OD)
Opener Spacing	6 in (15.2 cm)
Packer Wheel - Steel - Weight Steel	2" x 23" Standard (5.08 cm x 58.4 cm)
	38 lbs (17.2 kg)
Metering System	Spiral Adjustable Flute
Metering Drive	Sprocket Drive Transmissions 3 Speed Ranges 7 standard settings per Range Up to 30 optional settings per Range
Hydraulic Depth Control Cylinder	Standard
Castor Wheel - Single - Dual	9.5L x 15SL - 8 Ply Standard
	9.5L x 15FL- 8 Ply Optional
Acreage Meter	Optional
Hydraulic Wheel Markers	Optional
Multiple Hitches 10' (3.05 m) to 60' (18.30 m)	Optional
Transport Tires	Optional