



FARM IMPLEMENTS (INDIA) PRIVATE LIMITED

FII HR 11/20 ROTAVATOR®

New Generation
Farm Machineries



Side Drive Chain



Side Drive Gear

Characteristics

- Single Speed / Multispeed Gear Box
- Side Drive Roller Chain / Gears
- Spring Loaded Adjustable Trailing Board
- Rotor Speed, Standard 210 RPM, Optional 246 RPM @ 540 / 1000 Rpm tractor PTO

Rotavation - The System

- Rotavator can produce a perfect seed bed with one or two passes
- Since Rotavator requires no traction, the Tractor-Rotavator combination can commence cultivation much sooner after rain
- It is ideal for wet cultivation
- It is most suitable for sugarcane stubble removal
- It eradicates rhizom's such as couch grass, etc.,

Specially designed to be used with all Tractors available in India

HR-11					HR-20				
Order Code	Working width CM	HP Required	Weight in kgs w/o accessories (Approx)	Blade Nos.	Order Code	Working width CM	HP Required	Weight in kgs w/o accessories (Approx)	Blade Nos.
FII-HR 11/105	101	18 - 25	230 - 270	24	FII-HR 20/155	150	35 - 50	370 - 410	36
FII-HR 11/125	120	25 - 35	260 - 300	30	FII-HR 20/180	180	50 - 60	410 - 440	42
FII-HR 11/155	150	35 - 50	280 - 320	36	FII-HR 20/205	205	60 - 70	465 - 490	48
FII-HR 11/180	180	50 - 60	310 - 350	42	FII-HR 20/230	230	70+	515 - 550	54

All measurements are indicative. The company reserves the right to revise the contents of the brochure and to amend or improve the specifications of its products without notice.
The Product weight will vary depends up on side drive (Chain / Gear) and Gear Box Speed (Single / Multi Speed)

Dealer

Manufactured by



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ROTAVATOR[®] RICE HARROW

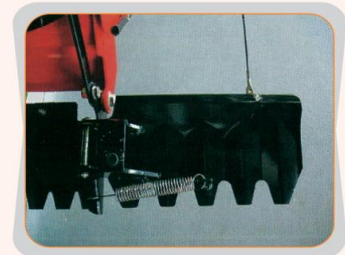
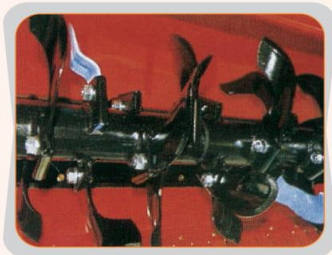
Exclusive For Wet Cultivation



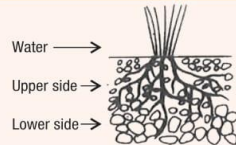
ROTAVATOR / RICE HARROW



Specification		
Model	HR2020B	HR2820B
Driving System	Side Drive System	
Measurement	Total Height (MM)	860
	Total Length (MM)	2250
	Total Width (MM)	1010
Dry Weight (kg)	285 (approx)	325 (approx)
Applicable tractor (kw (hp))	20.1 - 38.2kw (27- 51 HP)	
Working width (mm)	2250	2985
Standard working speed (km/h)	2.2 - 5	
Input Shaft RPM	540	
Blade Shaft RPM	260 (at PTO 540 RPM)	
Blades	L 25 Pcs	L 34 Pcs
	R 25 Pcs	R 34 Pcs
	BL 2 Pcs	BL 3 Pcs
	BR 2 Pcs	BR 3 Pcs



Blades are shaped to function as to suppress and rakes to put weeds and others into the soil below the root zone



Crushing soil in upper side only leave oxygen in lower side. As a result, trans-planted paddy roots firmly and healthy

- The shape of Blades prepares the seed bed in two layers
- The Top layer which consist of pulverized soil and the below lying as coarse layer
- This type of two layer seed bed is highly suitable for machine planting resulting in quickly establishment of seedlings with minimum water
- The design of spring rake puts down the pieces of straw and left over weeds into the soil
- The two piece trailing board consists of swing rubber and leveling board. This facilitates a perfect leveled surface
- The extending and retracting of the extension rake-removes traces of joints between areas worked

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New Generation Farm Machineries

FARM IMPLEMENTS (INDIA) PVT LTD

WETLAND LASER LEVELER

LEVELER INTEGRATED WITH RICE HARROW



**CONSERVE
WATER**

Spec:

Working Width : 2860mm
Power Required : 45hp tractor
No. of Blades : Rice Harrow 74 Blades
Leveling Board : Combination of Metallic rake with rigid leveling plate and swing rubber connecting the hull assembly resulting in more flexibility.

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Measurement : Total Height : 860mm
Total Length : 2985mm
Total Width : 1010mm

Dry Weight (Kg) :



for further details contact :



FARM IMPLEMENTS (INDIA) PVT LTD

An ISO 9001:2015 Certified Company

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NEW GENERATION FARM MACHINES

SALIENT FEATURES

1. Laser leveling is a process of smoothing the land surface ($\pm 2\text{cm}$) from its average elevation using laser-equipped Rice Harrow/ Rotopudler.
2. Land leveling is a precursor to good agronomic, soil and crop management practice.
3. Effective land leveling reduces the mortality of the rice seedlings, avoid water logging and increases the yield.
4. * Improves crop establishment
* Reduces weed problems
* Improves Uniformity of crop maturity
* Decreases the time to complete tasks
* Reduces the amount of water for land preparation
5. The benefits over other land leveling methods include the following:
 - More level and smooth soil surface and hence increases effective field area
 - Reduction in time and water required to irrigate the field
 - More uniform distribution of water in the field
 - More uniform moisture environment for crops
 - More uniform germination and growth of crops
 - Reduction in seeds, fertilizer, chemicals and fuel used in cultural operations
 - Improved field traffic ability (for subsequent operations)
6. The preparation of the field surface for conveyance and distribution of irrigation water is an important for efficient surface irrigation as compared to any other single management practice the farmer employs.
7. Land leveling always improves the efficiency of water, labor and energy resources utilization.
8. Laser leveling can reduce water use by 20-30%, increase surface area by 5-10% and increase crop yields by 10-20%.
9. The enhancement of water use efficiency and farm productivity at field level is one of the best options to redress the problem of declining water table. The planners and policy makers should be properly informed and motivated to develop strategies and programmes for efficient utilization of available water resources. Laser land leveling is one such important technology for using water efficiently.

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NEW GENERATION FARM MACHINES

Levee Plastering Machine



The Levee Plastering machine will strengthen the existing bund without damaging the height of the bed by adding on the sideways. This machine is suitable for both dry and wet conditions. The power required to operate this machine is about 40-50 hp with 540rpm at PTO. The height of the bund is 25-30 cm (Approx)



**TECH
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FARMS**

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New Generation Farm Machineries



FARM IMPLEMENTS (INDIA) PVT. LTD.

ROUND BALER (STRAW)



ROUND BALER

Advantages of Round Baler

- Tractor horse power required for round baler is less than square baler, so round baler is better than square baler in view of energy efficiency
- Round baler has simplified binding device.
- Round baler has smaller turning radius. So operation of round baler is easier.
- Tine pitch is shorter.

ROUND BALER SPECIFICATION SHEET

Model	: RB-510W
Overall Length	: 1350 mm
Overall Width	: 1730 mm
Overall height	: 1200 mm
Weight	: 480 kg
Required Tractor Power	: Above 40 HP
Mounting method	: Direct mount with 3 point linkage
PTO speed	: 540 rpm
Transmission system (Chain or Belt)	: Chain
Working width	: 1050 mm
Rake tine	: 7 pcs x 4 rows
Rake speed	: 135 rpm
Baling system (Twine or Net)	: Twine (single)
Bale dimension	: Dia 50 cm x 105 cm
Approximate weight of bale	: 30 kg. (Approx) (Moisture rate:50%)
Twine required	: 10-12m Per bale (Choice of Pulley)
Bale ejection	: By lever operation



Advantages of each Model

- Mounting method - 3 point linkage. So, attaching and detaching is easier.
- Automatic bale forming.
- Automatic chain lubrication.
- Pick-up missing is less because of wide pick.
- Baling operation is speedy with rake-in drum.

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*Efficiency depends on Field's Shape, Yield, Moisture rate, Condition after harvesting and so on. So those figures are just for reference only.

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New Generation Farm Machineries



Farm Implements (India) Pvt. Ltd.

FII HOLE DIGGER



Special features

Hole Digger is an implement that will drill/dig holes of varied sizes and depths for Planting seedlings and saplings.

Hole Digger is an attachment to the tractor 3 point linkage with category I & II Mountings.

Hole Digger consists of an auger, which is driven through bevel gears by the Tractor power take-off. (P.T.O)

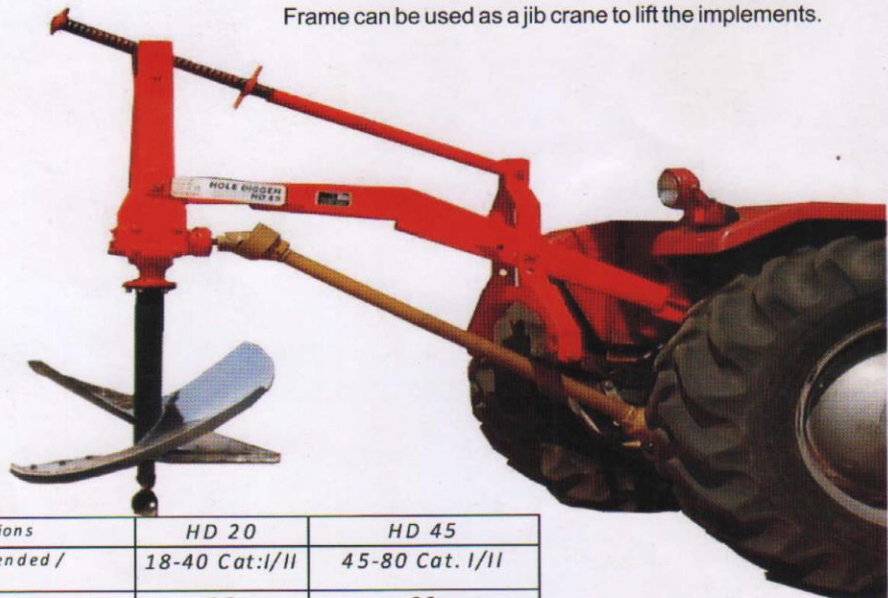
Hole Digger is available in 2 models HD-20 & HD 45

For medium stress work Transmission through Universal drive shaft with shear bolt torque limiter

Replaceable auger points and cutting blades Standard fish tail type auger point and flat blades (Chisel type optional)

Sturdy profile frame fitted with spring-loaded stabiliser bar ensures stability during drilling and transport.

Frame can be used as a jib crane to lift the implements.



Specifications		HD 20		HD 45			
Tractor HP recommended / Three Point Linkage		18-40 Cat: I/II		45-80 Cat. I/II			
Hole Depth, Cm		90		90			
Hole Diameter - max		12"		24"			
Auger Size (Approximate)	Inches	9"	12"	9"	12"	18"	24"
	Cms	22	30	22	30	45	60

Manufactured by



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HD E 101

NEW GENERATION FARM MACHINERIES



Farm Implements (India) Private Limited

ROTASLASHER



**Powerful enough to cope with tall weeds
and small bushes, yet giving a satisfactory
fine cut on turf areas.**

**If mounted with front and rear rollers, scalping
is minimal.**

NEW GENERATION FARM MACHINERIES

MODELS :

HS 22/90	(36 INCH) - 25 - 35 HP TRACTORS	} 540 RPM PTO
HS 22/120	(48 INCH) - 35 - 50 HP TRACTORS	
HS22/150	(60 INCH) - 50 - 75 HP TRACTORS	

MOUNTING :

Rotaslasher is an attachment to the tractor
3 point linkage with category I & II mountings.

TRANSMISSION :

A 4 Series, covered PTO shaft with shear torque
limiter as standard to give positive transmission
protection.

GEAR BOX :

Precision machined with hardened bevel gears
in heavy cast housing. Taper roller bearings
throughout.

BLADE BEAM :

Multi leaf with special swing back cranked blades
forged from Heat Treated Alloy steel, pivoting on
hardened bushes.

BODY :

Strongly reinforced fabricated design.

OPTION :

- * Floating top link
- * Window spreader bracket
- * Multi plate slip clutch.

SPECIFICATIONS :

Order Code HS22	90	120	150
Dimension	36"	48"	60"
Overall width	103 cm	137 cm	165 cm
Overall height	76 cm	100 cm	100 cm
Overall length	113 cm	146 cm	170 cm
Cutting width	90 cm	120 cm	150 cm
Cutting height	1.3/8.9 cm	1.3/8.9 cm	1.3/8.9 cm

NOTE :

Also available models with front and rear rollers for
very fine grass cutting and conformity to contour with
maximum safety from flying objects.

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brochure and to amend or improve the specifications of its products.
The brochure does not constitute an offer for the sale of any particular product.



SH-EL-11C



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DEALER :



FARM IMPLEMENTS - PUSA COMPOST TURNER-CUM-MIXER (WINDROW TURNER)

**PUSA Rapid Composting Technology:
Healthy Soil, Wealthy Farmer**

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Technology to convert agri-residue into nutrient rich compost using microbial culture and mechanical intervention by windrow method as per the protocol developed by IARI

Pusa Turner Cum Mixer turns and mixes the biomass at every fortnight which leads to proper aeration, exposes new surfaces to decomposition and maintains the temperature within the range of 32-60 °C for faster degradation.



Compost Sieving Machine removes the unwanted and un-degradable material and separates the finer from coarse grade.

Composting in 60-80 days as compared to six months by traditional pit method

Waste to wealth, improving soil health

Length of the Rotor:

Width: 1.5 Meter

1.8 Meter

2.7 Meter

Technology commercialized and licensed to:



FARM IMPLEMENTS (INDIA) PVT LTD.,

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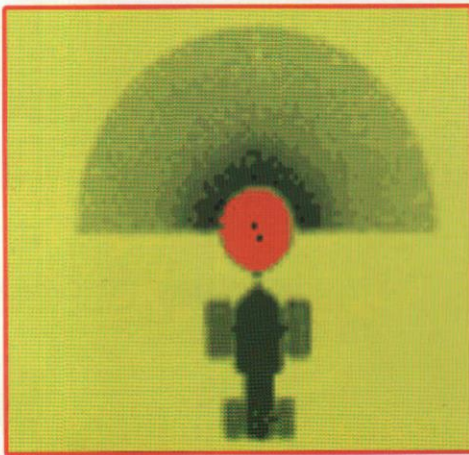
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FARM IMPLEMENTS (INDIA) PVT. LTD., FERTILIZER SPREADER

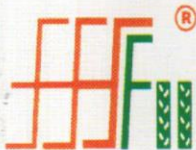
Fertilizer Spreader will be useful to spread the fertilizer uniformly on the field without any gap.

- It is useful to apply on any selected side also.
- By using this spreader wastage of fertilizer can be avoided.
- This machine will be operated through Tractor PTO.
- It covers on an average 6 acres per day.
- This machine is suitable for all chemical fertilizers effectively.



For the past 25 years **TECH < 2 > FARMS**

For further details contact :



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NEW GENERATION FARM MACHINERIES

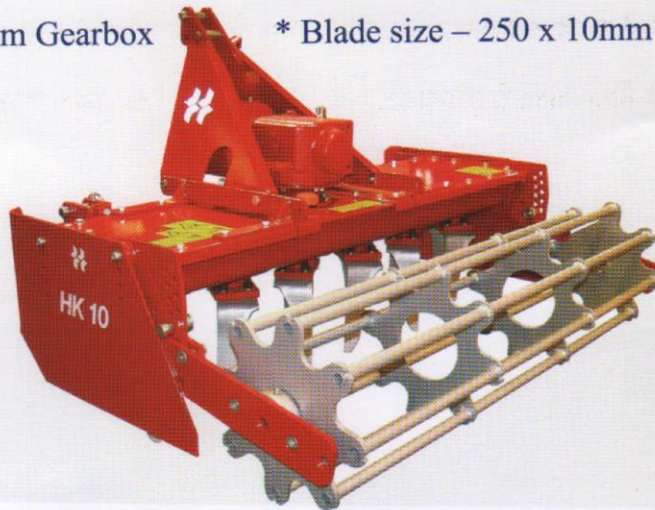


FARM IMPLEMENTS (INDIA) PVT. LTD.,

POWER HARROW HK-10

Highly useful for horticultural farms, green house cultivation and hi-tech gardening.

- * Equipped with Rear cage rollers
- * Working depth is adjustable
- * Side guard are easily adjustable in relation with size working depth
- * Equipped with 540rpm Gearbox
- * Blade size – 250 x 10mm



Type	Working Width (m)	Transport Width (m)	Power requirement (Hp)	Number of blades	Weight w/o Cage roller (kg)	Weight with cage roller (kg)
HK10-100S	1.0	1.12	40-80	8	275	320
HK10-125S	1.25	1.36	45-80	10	300	360
HK10-150S	1.50	1.61	50-80	12	320	400
HK10-175S	1.75	1.85	60-80	14	345	440
HK10-200S	2.00	2.10	80	16	370	480

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