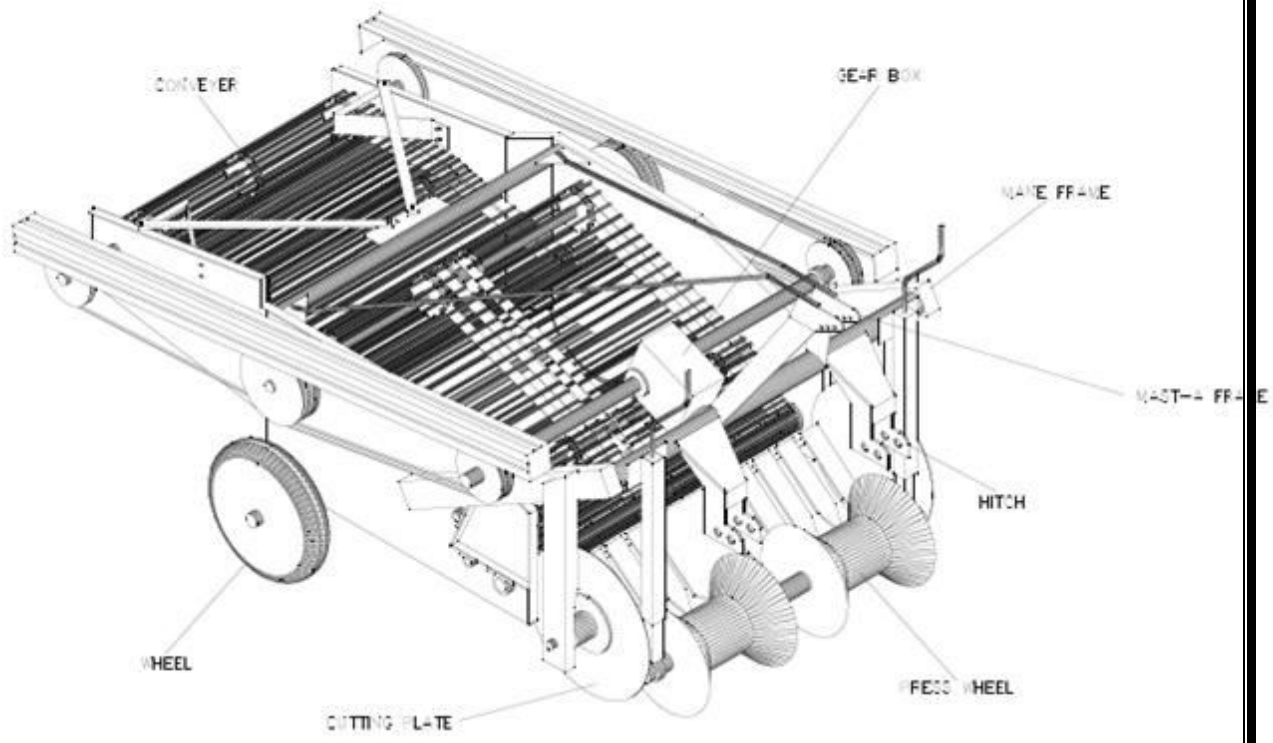
TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

33. POTATO DIGGER SHAKER

Potato Digger Shaker



GENERAL

1.	Application	For digging out and shaking of potatoes
2.	Rows	02 Nos.
3.	Tractor power	≥ 60 hp
4.	Field Capacity	≥ 1.0 acre/hr

OVERALL DIMENSIONS

5.	Length	3000 mm ± 30 mm
6.	Width	1950 mm ± 20 mm
7.	Height	1300 mm ± 10 mm
8.	Weight	≥ 900 kg

MATERIAL SPECIFICATIONS

9.	Main frame	88 mm dia. MS pipe, 8 mm wall thickness 100x50x6 mm MS box, 4 mm MS sheet 50x6 mm MS flat, 12 and 10 mm MS plate 60 mm dia. MS pipe
10.	Mast (A hitch)	12 mm & 6 mm MS plate and support of 22 mm dia. MS round
11.	Depth control wheel	8x38x4 mm (male), 50x50x4.5 mm (female) MS box with 18 mm dia. M.S rod for adjustment and with supports of 380x75x10 mm MS flat and 6 mm MS sheet

TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

12.	Press wheel	Made from 2 mm sheet bolted with 60 mm dia. 3 mm wall thickness MS pipe with axle ends for bearing
13.	Cutting Disc	02 Nos. 550 mm dia. 6 mm thick with bearing hub having width and depth adjustment
14.	Cutting blades	10 Nos. 350x75x10 mm leaf springs and 01 No. 390x255x9 mm MS sheet at Center, bolted with 30x30 mm M.S. square rod welded with 38x38 mm MS sq. rod and main frame
15.	Gear box	C.I. drive on both sides through 40 mm MS shaft mounted on 9 mm & 6 mm MS sheet
16.	Wheel	400 mm dia. 100 mm wide made from MS formed sheet 2.0 mm pressed
17.	Wheel shaft	50x50x4.5 mm MS box with axle at ends
18.	Conveyor (1st)	2200 mm long and 1350mm wide 60 mm dia. with wall thickness 6 mm MS pipe with 38 mm MS shaft and 30 mm over lapped with conveyor of flat belt 70 mm wide riveted with spring carbon steel rod 12 mm dia. at space of 35 mm in two sections having 04 Nos. sprockets at end 200 mm dia. with face width 40 mm at end 04 Nos. sprocket came type at center 04 Nos. sprockets 120 mm dia. with face width 40 mm at lower
19.	Conveyor (2nd)	2200 mm long and 1350 mm wide 60 mm dia. with wall thickness 4.5 mm MS pipe with 30 mm dia. MS shaft with same size of sprockets over lapping with flat belt and spring steel rods riveted with it
20.	Belt covers	02 Nos. 16 gauge M.S. sheet
21.	Shafts	
	Gear box drive shafts	40 mm
	1st conveyor shaft	40 mm
	1st conveyor Support shafts	30 mm (02 Nos.)
	2nd conveyor shafts	35 mm & 30 mm
22.	Bearings	
	Depth control	02 Nos. 6307
	Cutting Disc	04 Nos. 6307
	Gear box drive shaft	02 Nos. 6308
	1st conveyor front pipe	02 Nos. 6306
	1st conveyor drive shaft	02 Nos. 6207
	Intermediate shafts	04 Nos. 6206
	2nd conveyor	
	Front pipe	02 Nos. 6307
	Drive shaft	02 Nos. 6206
	Center shaft	02 Nos. 6206
	Pulleys	04 Nos. 6206

TECHNICAL SPECIFICATIONS OFAGRICULTURAL IMPLEMENTS

MISCELLANEOUS

23.	Paint	Double coat with primer after surface finish
24.	Nuts and bolts	To be tightened with spring washers
25.	Bearings	European Standard or Equivalent
26.	Warranty	Free : 1 year for parts and service
		Extended : 5 years for parts supply on payment