

Specifications Document

Agricultural Plot Robot

Description: Self-propelled mobile electric robot that will have future potential of autonomous functions including autosteer and unmanned controls.

Includes:

4-wheel drive/driven by independent electric motors

Adjustable width for multiple crop and dimension applications

2 weight kits (each with 200 lbs of weight) for balancing weight distribution on machine

Electric 3pt lift CAT 0 for small implements/attachments

Operator seat assembly that can be mounted in different positions

Mechanical pivot to allow robot flexibility on uneven terrain

Intelligence kit including an Amiga Xavier Brain (Name Brand or Equal), Luxonis Cameras (Name Brand or Equal), mounting brackets, cables, and POE switch

Quantity	Description
1	Amiga robot (Name Brand or Equal)
2	weight kits
1	battery pair
1	3 pt lift CAT 0
1	operator seat assembly
1	mechanical pivot
2	Planter/drill kits attachment (seeder assembly tool bar) with A-frames for 3pt 15 yang row units
15	wheat/small grain rollers/cups for yang row units
15	cover crop rollers for yang row units
15	soybean rollers/cups for Yang row units
15	cotton rollers/cups for Yang row units
4	A Blade Assemblies
2	Protection Discs Assemblies
2	Finger weeding assemblies
2	L Blade Weeding knife assemblies
4	spring tines with chisel
4	spring tines with 6" duckfoot sweep
1	A frame mounted 30" bed top Tilter assembly
2	3-point A frame and toolbar (for mounting above tillage attachments)
1	intelligence kit
1	Pull Behind Trailer for Towing
Pricing must include shipping	

Name Brand or Equal to Farm-ng Amiga with above features and attachments, shipping to USDA-ARS, Temple, TX.