

AUTO STEERING *for* TRACTORS & RICE TRANSPLANTER



“Innovation made for you.”



INTRODUCTION

As the shortage of agriculture workers worsens, there is a need for machinery that can work at the same level as a skilled operator regardless of who is operating it. APOGEE PRECISION LASERS has developed such machinery for large scale farming operations looking to expand and who are seeking high efficiency as well as reduced fatigue when working for extended period of time.

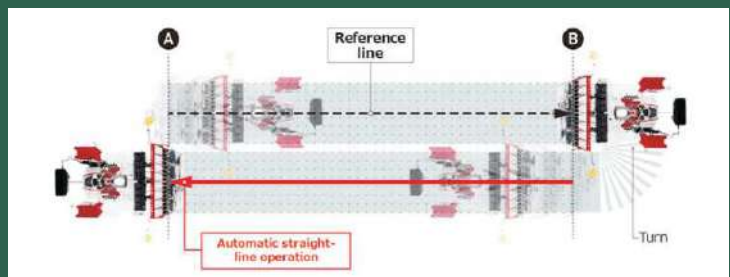


AUTO STEERING MODES

Linear Mode

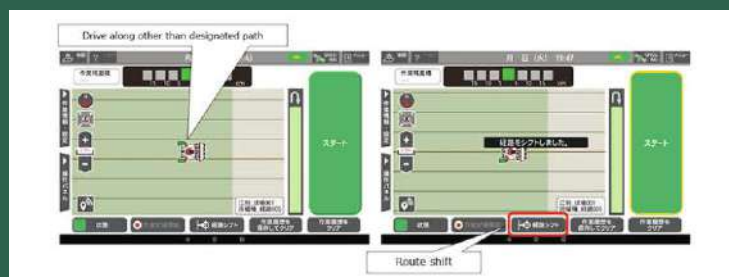
➤ Linear mode is an automatic steering function that tracks a reference line defined by specifying two points (points A and B).

➤ The rice transplanter is turned manually at the end of the each row according to the real time path, shown on the tablet.



➤ It Uses RTK positioning to minimize loss of accuracy over time that helps in boosting crop yields.

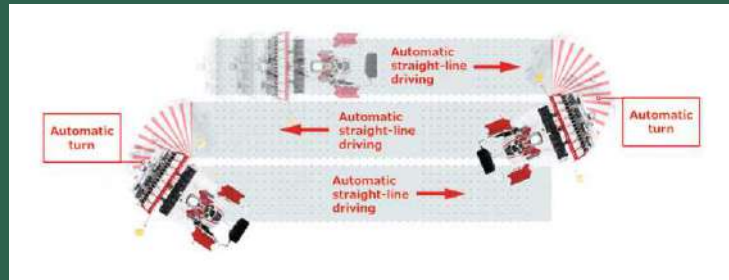
➤ It also equipped with path shift function which helps to adjust the row spacing according to the field conditions.



Auto Mode

➤ In Auto Mode, the rice transplanter functions automatically without requiring any manual steering input.

➤ It helps to focus on planting the seedlings & monitoring in the effective way.



COMPONENTS



Display



Motor Wheel



IMU Sensor



GNSS Antenna



CORS



Benefits

- It provides accuracy in planting the seedlings.
- Reduces the workload and shortening the time it takes to complete planting.
- Reduce Fatigue.
- Also can be operated at night.



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