bracket 153 can drive the spindle 120 to swing synchronously and in the same direction with respect to the chassis, thereby causing the leaf-blade components 130 to incline relative to the ground in the X-axis direction.

When the leaf-blade components 130 are required to swing around the X-axis direction, any one end of the leaf-blade components 130 in the Y-axis direction is caused to be in contact with the ground, and the other end of the leaf-blade components 130 is separated from the ground. The second linkage mechanism may be powered by turning on the second driving mechanism 1564. Since the second swing bracket 153 is fixedly connected to the third bracket and the third bracket is hinged with the second rotation shaft 1515, at this time, the second linkage mechanism can drive the second swing bracket 153 to swing around the second rotation shaft 1515, and the swinging second swing bracket 153 can drive the spindle 120 to swing synchronously in the same direction, thereby causing the leaf-blade components 130 to incline relative to the ground in the Y-axis direction.

It is to be noted that the main driving mechanism 115, the first driving mechanism 1551 and the second driving mechanism 1564 may all be direct current servo motors connected to a right-angle reducer, the chassis 100 may be provided with batteries for supplying power to the main driving mechanism 115, the first driving mechanism 1551 and the second driving mechanism 1564, respectively, and these batteries may be lithium batteries to provide sufficient endurance.

The number of leaf-blade components is two, the two leaf-blade components correspond to the two spindles 120 respectively, and each leaf-blade component is connected to the bottom end of the corresponding spindle 120, so that the swing of the two spindles 120 drives the change of the inclination angles and the inclination directions of the two leaf-blade components relative to the ground.

Referring to FIGS. 1 and 3, each leaf-blade component includes a central shaft connected to a corresponding spindle 120, and a plurality of spatulas 133 arranged at intervals along the circumferential direction of the central shaft, each spatula 133 is provided with a connection arm 134, and each spatula 133 may be fixedly connected to the spindle 120 via the connection arm 134. At this time, the inclination angle of each spatula 133 cannot be adjusted, or each spatula 133 may be connected to the central shaft in such a manner that each spatula 133 can rotate around the axial direction of the connection arm 134 to adjust the inclination angle of the spatula 133 according to actual requirements, which may be referred to the related art in detail