

CT MACHINE

ABSTRACT

5 The present disclosure provides a CT machine, which relates to the field of radiation inspection technology. The CT machine includes: a frame; a plurality of support devices on the frame; a rotatable portion being capable of rotating around a rotation axis, the rotatable portion being jointly supported by the plurality of support devices during rotation; and a scan
10 device comprising a ray source and a detector, the ray source and the detector being arranged opposite to each other along a radial direction of the rotatable portion. At least one of the plurality of support devices includes a pivotable arm, a pivot, a driving motor and at least two rotating wheels, the pivotable arm is pivotally connected to the frame through the pivot, and the
15 at least two rotating wheels are arranged on the pivotable arm and are located on two sides of a pivot axis of the pivotable arm respectively. At least one of the at least two rotating wheels is a driving wheel, the driving motor is directly connected to the driving wheel, the driving wheel is capable of driving the rotatable portion to rotate around the rotation axis,
20 and the driving motor includes a power output shaft parallel to the pivot.

[Fig No. 1A]