

The proposed machine for layer-by-layer soil excavation contains a base chassis, a soil conveyer, a working head, and equipment for mounting the working head onto the base chassis, which consists of two frames connected together by the first hinged joint. At the first frame, the working head is mounted. The second frame is installed onto the base chassis. The machine is also equipped with the second hinged joint, and power drives for rotation relative to the first and second hinged joints. The geometrical axis of the first hinged joint is perpendicular to the base chassis support surface, and the geometrical axis of the second hinged joint is parallel to the longitudinal axis of the base chassis. The proposed construction provides for a possibility to excavate trenches with horizontal bottom surfaces or with sidewalls tilted at a specified angle, increase the trench width, form slopes, excavate trenches with different profiles, and reduce dynamic forces during reversing the working head rotation.