

The machine for selective crushing relates to the crushers and can be used in mining and related branches of industry for the processes of coal preparation. Machine contains conical rollers, which form an inclined crushing chamber having unloading slot, variable angle of bite for specific size of material, which increases in the direction of the inclination of the crushing chamber. The angle of bite is intermediate between double angles of the friction of materials being separated and in this case identical for minimum and maximum coarseness of the class of the rock mass being separated at the loading location. Rock mass is supplied by a feed screw, unloading slot of which increases in the direction of the lift of the crushing chamber within the limits of the coarseness of the loading class of material. The feed screw is mounted on the mobile frame, which guides are located along the crushing chamber. Invention ensures the high efficiency of the selective crushing of the materials having different frictional properties, and the effective method for concentration of small classes of the coal.