The invention refers to the food and processing industries, namely to processes and devices for comminution and separation of the vegetable raw material and may be used for fodder preparation.

The process consists in loading of the vegetable raw material into the comminution device, wherein the particles of the vegetable raw material, getting onto the platform-disk, accelerate and strike themselves against the blades of the platform-disk, they are destroyed and removed through the unloading cyclone.

The device contains a platform-disk, blades for drawing of the vegetable raw material into a rotary motion, a loading hopper and an outlet cyclone. Onto the working surface of the platform-disk there are mounted the blades, placed radially, the platform-disk radius R is co-ordinated with the angular velocity w, the rupture strength coefficient s, the density r and the comminution degree d of the vegetable raw material by the formula $R>[s]/(rw^2r)$.