CLAIMS

1. A dual-purpose grinder, characterized in that the dual-purpose grinder comprises: a material container assembly including a grinding head fixedly connected to a material container body and a grinding sleeve rotatably connected to the grinding head, wherein the grinding head is fitted into the grinding sleeve, the grinding head and the grinding sleeve define therebetween a material compartment for accommodating a material, a connecting structure capable of being removably connected to an external power assembly is arranged at an upper end of the material container body; when manual grinding is required, the material container body is rotated and drives the grinding head to rotate, the grinding sleeve moves relative to the grinding head, so that the material between the grinding head and the grinding sleeve is ground into powder; when automatic grinding is required, the material container body is connected to the external power assembly through the connecting structure and is driven to rotate by the external power assembly, so that the grinding head is driven to rotate, the grinding sleeve moves relative to the grinding head, so that the material between the grinding head and the grinding sleeve is ground into powder;

wherein a connecting base is connected to a lower end of the material container body, and a fixing base is connected to a lower end of the connecting base, and

wherein the connecting structure comprises a lock switch, which includes two inverted buckle sections for clamping a connecting column of the external power assembly.

2. The dual-purpose grinder of claim 1, characterized in that a transmission frame is disposed in the material container body, a connecting rod connected to the grinding head is provided on the transmission frame.

3. The dual-purpose grinder of claim 2, characterized in that the grinding head comprises a truncated cone body and a plurality of grinding plates, the plurality of grinding plates are arranged at intervals around a lower end surface of the truncated cone body, and the truncated cone body is provided therein with a slot for inserting therein the connecting rod, the lower end surface of the truncated cone body is recessed inward to form an adjusting recess, and an adjusting spring is fitted in the adjusting recess.

4. The dual-purpose grinder of claim 3, characterized in that the material container assembly further comprises a fixing frame with positioning columns provided thereon, positioning grooves into which the positioning columns are inserted are provided on the grinding sleeve, and the positioning columns are fitted into the positioning grooves.

5. The dual-purpose grinder of claim 1, characterized in that a connecting frame is disposed in the material container body, and the connecting frame is connected to the grinding head through a grinding head rotating shaft, a second through groove is provided in the connecting frame, and the lock switch is disposed in the second through groove.

6. The dual-purpose grinder of claim 5, characterized in that a lower end of the grinding head rotating shaft is connected to an adjusting structure for adjusting a size of a gap between the grinding head and the grinding sleeve, and the adjusting structure includes an adjusting spring sleeved on the grinding head rotating shaft and an adjuster connected to the grinding head rotating shaft, the adjusting spring is located between the grinding head and the connecting frame, and the adjuster is located below the grinding head.

7. An operating method of a dual-purpose grinder, characterized in that the operating method comprises:

rotating a material container body when manual grinding is required, thus a grinding head is driven to rotate, and a grinding sleeve and the grinding head move relative to each other so that a material is ground and pressed into powder between the grinding head and the grinding sleeve;

connecting an external power assembly with a lock switch on an upper end of a material container body when automatic grinding is required, the external power assembly drives the material container body to rotate, in order to drive the grinding head to rotate, and the grinding sleeve and the grinding head move relative to each other so that the material is ground and pressed into powder therebetween.