[0036] Preferably, a lower end of the connecting column 211 is in threaded connection with an adjusting structure for adjusting the size of the gap between the grinding head 22 and the grinding sleeve 25, the adjusting structure includes an adjusting rod 24 and an adjusting spring sleeved on the adjusting rod 24, and the adjusting spring is inserted in the grinding head 22.

[0037] When the adjusting rod 24 is rotated and moves upward, the adjusting spring is compressed by the adjusting rod 24 to force the grinding head 22 to move upward, and the gap between the grinding head 22 and the grinding sleeve 25 becomes smaller, thus the ground powder becomes finer. When the adjusting rod 24 is rotated and moves downward, the pressing force of the adjusting rod 24 on the adjusting spring is reduced, so that the grinding head 22 moves downward, and the gap between the grinding head 22 and the grinding sleeve 25 becomes larger, thus the ground powder becomes coarser.

[0038] Furthermore, as shown in Fig. 4, the above-mentioned grinding head 22 includes a truncated cone body 221 and a plurality of grinding plates 222, and the plurality of grinding plates 222 are arranged at intervals around a lower end surface of the truncated cone body 221. The truncated cone body 221 is provided with a slot 223 for inserting the connecting column 211. The lower end surface of the truncated cone body 221 is recessed inward to form an adjusting recess 224, and the adjusting spring is fitted in the adjusting recess 224. The material is pressed and ground through the cooperation between the grinding plates 222 and the grinding sleeve 25 to obtain powder.

[0039] In the present embodiment, the above-mentioned connecting column 211 has a cuboid shape. In other embodiments, the above-mentioned connecting column 211 may also have other shapes, such as a pentagonal shape, and the shape of the slot 223 matches with the shape of the connecting column 211for easy installation.

[0040] Furthermore, as shown in Figs. 5 and 7, the material container assembly

drive the transmission gear 13 to rotate (clockwise), such that the transmission gear 13 drives the universal gear 14 to operate (rotate clockwise).

[0052] The above-mentioned control structure further includes a lamp 30. When the first contact piece 17 contacts the second contact piece 111, the lamp 30 is also connected to the power supply, so as to illuminate thereby allowing checking the grinding status.

[0053] In addition, as shown in Fig. 9, the above-mentioned universal gear 14 is provided with a plurality of connecting rods 141, and an upper end of the material container body 20 is provided with a plurality of recesses 201 that cooperate with the connecting rods 141. When the four connecting rods 141 of the universal gear 14 and the four recesses 201 can be aligned to be connected with each other, the universal gear 14 can immediately drive the material container body 20 to rotate. When the four connecting rods 141 of the universal gear 14 and the four recesses 201 cannot be aligned and connected, the four connecting rods 141 of the universal gear 14 contact the upper end surface of the material container body 20, and the universal gear moves upward, so as not to hinder the upper end surface of the material container body 20 from fitting in. When the push switch 11 is pressed, the universal gear 14 is rotated, and when it is rotated to a position where the four connecting rods 141 of the universal gear 14 and the four recesses 201 can be aligned, the spring applies a downward force to force the four connecting rods 141 of the universal gear 14 and the four recesses 201 to be connected, so that the universal gear 14 and the material container body 20 can be rotated simultaneously.

[0054] Preferably, as shown in Fig. 8, a lower end of the above-mentioned transmission gear 13 is equipped with a clamping structure 18, and the clamping structure 18 is surrounded by the plurality of connecting rods 141 around its outer periphery. The upper end surface of the material container body 20 is provided with a protrusion 202, and a tapered platform 203 is provided on a top end of the protrusion 202. The diameter of a bottom face of the tapered platform

203 is larger than the diameter of the cross section of the protrusion 202, that is, the protrusion 202 and the tapered platform 203 form a step therebetween. The clamping structure 18 includes a connecting block 183 and two clamping arms 182 between which the tapered platform 203 is clamped, and the connecting block 183 is formed with a groove 181 which is connected to the transmission gear 13 and is combined with the connecting rods 141, thereby forming a stable structure in which the center and the periphery are connected.

[0055] Furthermore, the above-mentioned groove 181 is inclined outwardly from top to bottom with a certain inclination angle, and the lower end of the transmission gear 13 is provided with a slanted bar to cooperate with the groove 181 to improve the stability of the connection.

[0056] In the above-mentioned automatic grinder, the driving assembly drives the material container body 20 to rotate through the connecting structure, and the material container body 20 drives the grinding head 22 to rotate, the grinding head 22 moves relative to the grinding sleeve 25, and the material is ground into powder between the grinding head 22 and the grinding sleeve 25. The gap between the grinding head 22 and the grinding sleeve 25 is adjusted by the adjusting structure, so as to adjust the size of the particles. When grinding the second material, the material container assembly is separated from the driving assembly and replaced with another material container assembly, thus tastes of the two materials do not affect each other. In addition, a sealed space is formed between the grinding sleeve 25, the fixing frame 23 and the transmission frame when feeding the material, thereby preventing the introduction of other particles. Therefore, when grinding multiple materials, different grinding sleeves 25 and grinding heads 22 are used, and impurities are avoided when feeding, so that the taste of the material is ensured.

[0057] Moreover, a grinding method of the automatic grinder is provided in the present application, which includes: