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(57) Abstract :

An automatic chaff cutting device, comprising: a body 1 equipped with a motorized blade unit 2, wherein the blade 2 unit rotates to chop a chaff, a pair of geared crusher units 3 for crushing the chaff before chopping, a first artificial intelligence camera module 4 for capturing images, a telescopic platform 6 connected to the motorized hinge 5 for holding the chaff, wherein the hinge 5 moves the platform 6 in defined directions to hold the chaff, plurality of motorized roller 7 connected to the platform 6 for assisting in proper passage of the chaff, a second AI camera 8 for detecting vital parameters of the cut chaff, a passive infrared sensor (PIR sensor) in combination with a microcontroller for detecting length of the chaff, and a display unit 9 for displaying data regarding the parameters and amount of chaff passing through the crusher unit 3. Ref Figure 1

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