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(57) Abstract :

A pneumatic chips collecting apparatus is disclosed. The disclosed apparatus includes a cyclone separator having an inlet and an outlet; a storage container coupled to the outlet; a suction creator pipe coupled to the cyclone separator; and a nozzle pipe coupled to the suction creator pipe at its first end, and a second end of the nozzle pipe is coupled to a compressed air supply pipe to supply compressed air into the suction creator pipe towards an exhaust end, wherein flow of the high velocity compressed air in the suction creator pipe leads to decrease in pressure inside the suction creator pipe such that the pressure inside the suction creator pipe is less than atmospheric pressure which causes creation of vacuum inside the cyclone separator to enable suction of air and the chips form outside into the cyclone separator through the inlet for collecting the chips into the storage container.

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