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Enquiry for Vision based Robotic Item Picker

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Sat, Aug 10, 2024 at 9:20 PM

Dear Sir/Madam,

I am reaching out to enquire about the possibility of integrating a Vision based robotic picker into our existing operations at ITC Limited - Green leaf threshing plant located at Chirala.

Our factory is involved in Tobacco threshing operation. In this process leaf is cut into two parts, the top part with low mid rib (Tip) and the bottom part with thick mid rib (Butts), goes for further process, whereas the tips get directly added to final product. Before getting added, tips are passed through classification system from which only good small tips are extracted, leaving out big leaf & butts part.

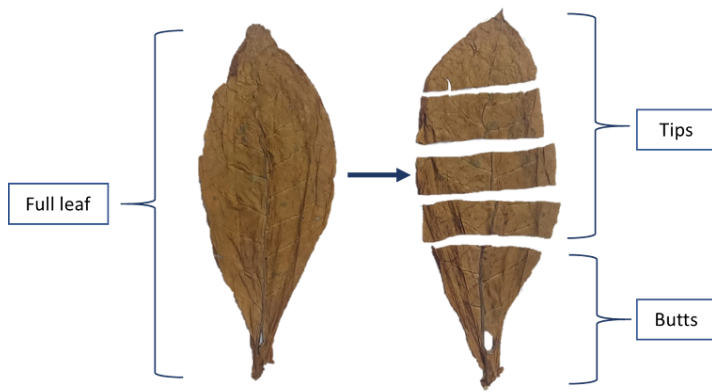
Current problem: We deploy manpower near the conveyor to pick full leaf from tips final product

Probable solution: A robotic item picker, which can differentiate and pick only full leaf from Tips line

Some pictures of the product are provided below for reference.



a. Tobacco full leaf



b. Tips & Butts separated from Tobacco full leaf.



Tips picking line

c. Manpower deployed at tips picking line for picking full leaf from tips.



d. Final product consists of tips and threshed lamina

Requesting you to provide information on the following:

1. Possible equipment which can be deployed for this operation.
2. The capabilities and specifications of vision based robotic item picker.
3. Suggestions on models that are relevant to the picking system.
4. Case studies or references of similar implementations in other industries.

Additionally, we request you to plan a visit to our site to understand the integration of vision based robotic picking in our processes to align with our objectives.

Looking forward to hearing from you and potentially collaborating to enhance our operations with advanced robotics technology.

Kindly feel free to contact me for any concerns.

Requesting your swift response in this regard.

Thanks & Regards

L Akshaya

Associate Manager – Technical

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