全力以赴 全域突破

Project Name:
Making Auto PO GR & Location Transfer RPA Worker

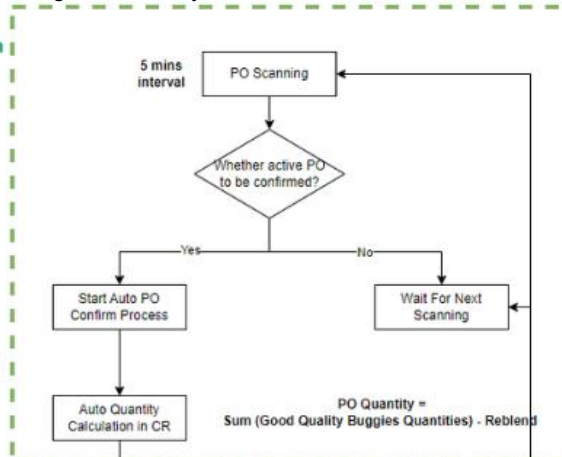**Project Leader: Connor Zhao**
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Background

The PO confirm in making is a quite repetitive job for operators to finish everyday. For each PO, the operator needs to gather informations from separate systems, then calculate order quantity from buggy & reblend details, causing the order confirm in making sophisticated and taking lots of touch and effort. There are average 60 daily touch just to finish this task

What was done?

We developed an auto PO GR & Location Transfer RPA Worker by leveraging **UiBot Worker**, simulating all the procedures of PO GR tasks in both local CR systems and SAP. After 2 months trial, the digital worker is successfully launched and deployed in making control room, achieving both GR efficiency & accuracy double and resulting **in 60/d touch & 1h/d touch effort reduction, 100% accuracy for order quantity, and GR speed increasing from 10 mins to 3 mins per order.**

How it works?

We developed following building blocks for our digital worker:
•**PO Scanning:** in each scanning interval (5 mins), the worker will automatically scan order.
•**PO Quantity Calculation:** The service developed in PDP will triggered by RPA, automatically calculating PO actual quantity by buggy infos, filtering out quality not passed buggy and reblend.
•**PO Auto GR & Location Transfer:** After all order infos being automatically retrieved, order GR & Location transfer will be triggered to complete all the actions in SAP.
•**Status Check:** All the below actions being done, the system will check whether order is successfully confirmed.

Auto PO Scanning & Quantity Calculation

5 mins interval → PO Scanning

Whether active PO to be confirmed?

Yes → Start Auto PO Confirm Process
No → Wait For Next Scanning

Auto Quantity Calculation in CR

PO Quantity = Sum (Good Quality Buggies Quantities) - Reblend

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PO Auto GR & Location Transfer

Auto Retrieve Order Info in DB → Fill All Required Info → Order Auto GR → MIGO Finish Order Transfer → Retrieve Order Batch in Another DB

Auto Check Order Status

Whether Successful?
Yes
No → Repeat PO Confirm Process

**100% Touchless
100% Compliance
Efficiency x2**

▼ 60 # /day
Touch#

▼ 60 mins/day
Touch Effort

▼ 100%
GR Accuracy