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Wider tape standout issue

Root cause analysis and Rework

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Wide tape standout issue tracking list

- **2016/10/25 :** EB1 standout test data for 78 and 55 degree curvature tapes, 55 degree max standout is 13.1ft and 78 is 12.3ft. Consider high scrape rate for 55degree, team confirmed to use 78 degree tape to move forward.
- **2016/11/16:** EB2 QA was measured 28+25pcs sample, the standout test data max is about 11.98~13.45ft.
- **2016/12/27:** QB QA was measured 25pcs sample, the standout test data max is 12.08ft to 12.96ft
- **2017/1/22-23:** We found standout issue in MP, looking back entire process, painting and lacquering process has transfer from In-house to outsource, we looking root cause analysis to have a comparison with in-house thru samples study, observation is width changes significantly at painting process

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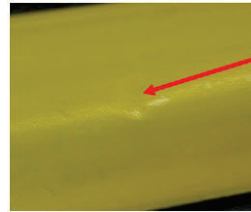
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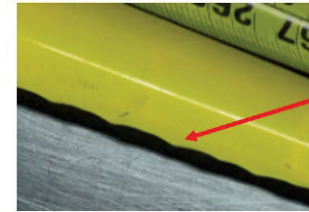
Wide Tape Stand out issue Summary

Root cause analysis and Rework

- Wide Tape blade with kink and Wave issue as the deep curvature at sample build stage:



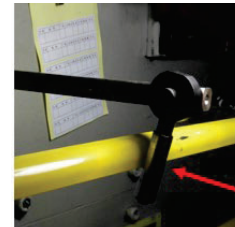
Kink marks



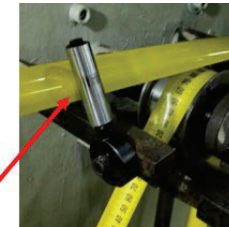
Wave

- During the EB and QB, we have arrange a lot of improvement actions to resolve above matter, but still have high defect rate and low stand out performance:

1. 55 degree tape: 50% failed, stand out with 13ft
2. 78 degree tape: 25% failed, stand out with 12ft



Guiding



- To avoid schedule delay US team selection 78 degree tape for production, but the stand out failed increase in mass production stage:

1. Stand out EB, QB failed rate: 1~2%
2. Stand out mass production: 20~25%

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