



HOW THE CHANGING MATERIAL STREAM AND INDUSTRY STANDARDS HAVE IMPACTED SYSTEM DESIGN

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What has changed?

- ► Fiber percentages are decreasing (non-OCC)
- OCC increasing and getting smaller
- Fiber standards have increased
- Contamination rates have increased

CHALLENGES THIS PRESENTS



- Harder to make a good quality paper with less good paper in the stream
- High contamination means more sorters and/or equipment to remove, is harder on equipment and has no value
- Smaller OCC requires optical sorter to remove from paper as too small to pick manually...OR make a lower grade of paper (due to brown content)





OCC SCREEN

- Larger shafts
- Tighter disc spacing
- Integrated scalping section





BALLISTIC SEPARATORS

- No rubber discs
- No wrapping
- Extremely consistent screening efficiency
- Throughput negatives offset by:
 - Less paper in stream
 - Larger screens
 - Run time





FIBER-CLEANING OPTICAL SORTERS

- Much wider than container line optics
- Can remove contamination AND brown
- Labor savings
- Better fiber quality





SAMURAI ROBOTS

- QC positions on container lines
- Getting better
- Never call in sick, go to the bathroom or need to be retrained





Film handling

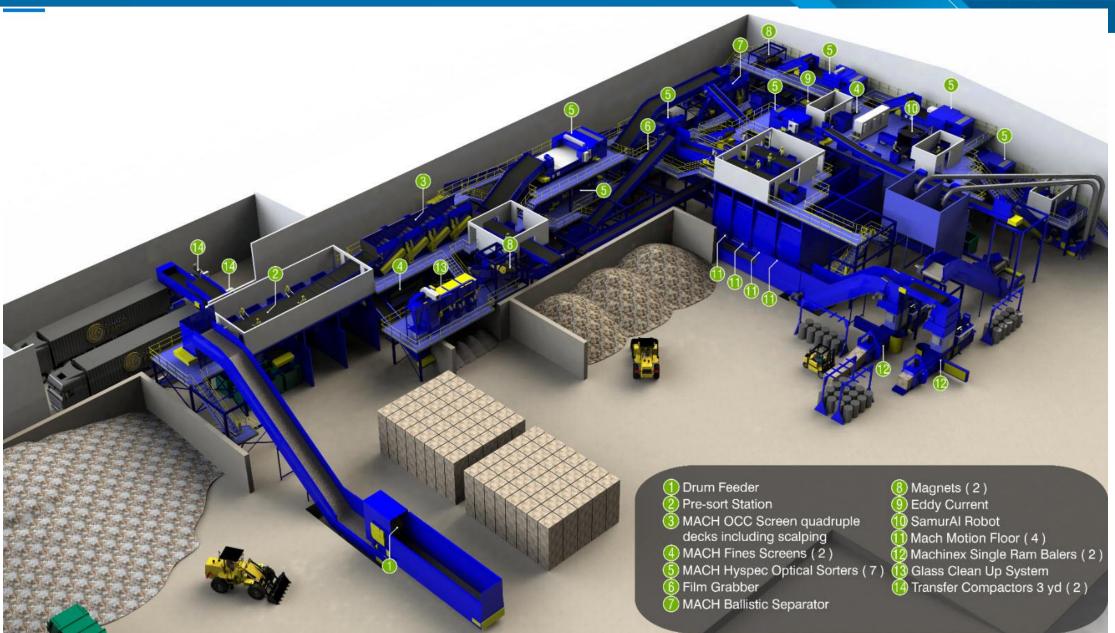
- Aspiration points
- Hoods on optical sorters





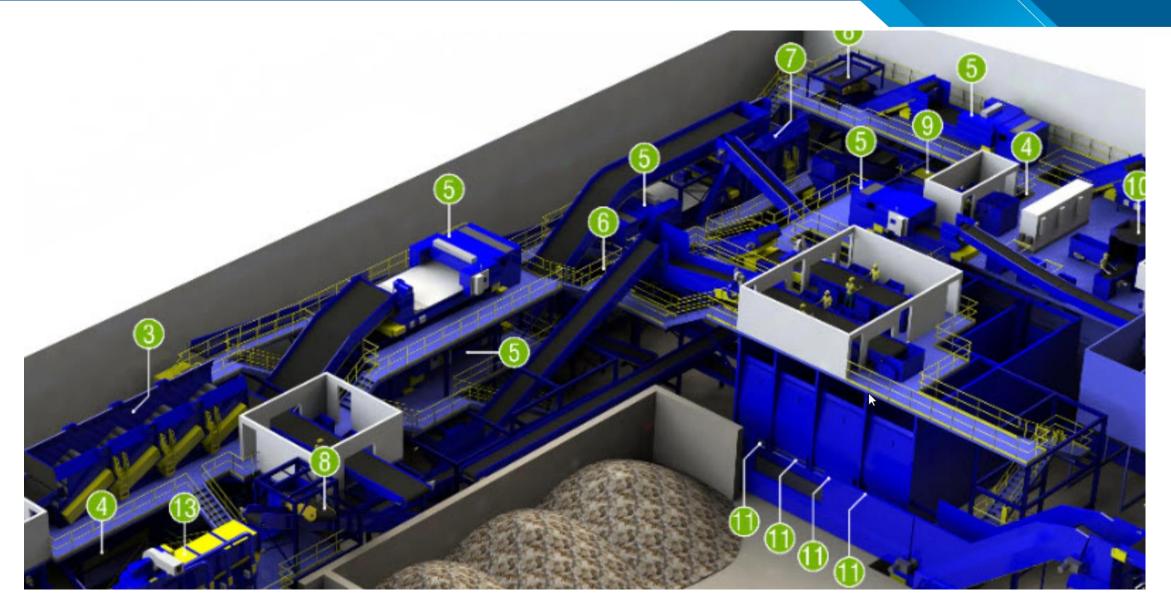
WINNIPEG – MRF OF THE YEAR 2020





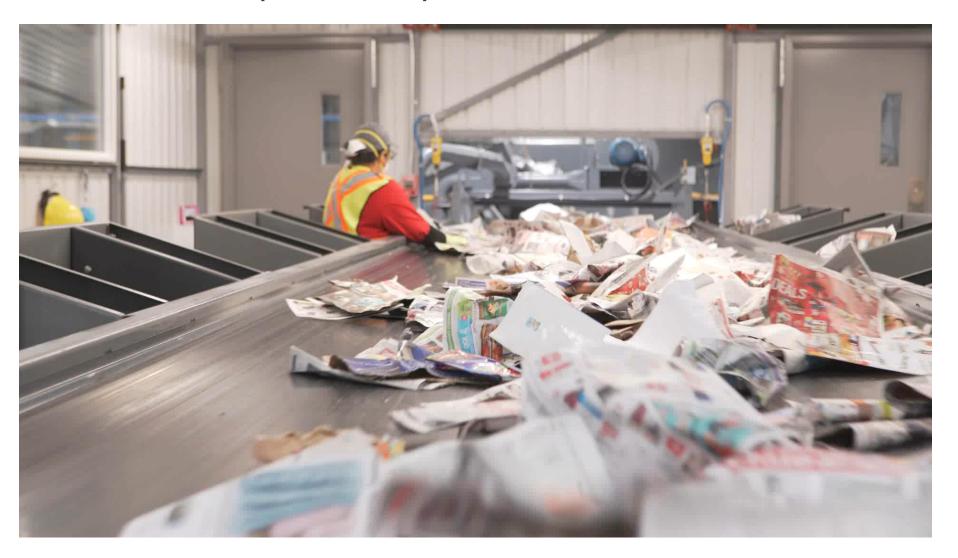
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QUALITY

Results on the fiber line (WINNIPEG)



Thank you!

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