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Artificial Intelligence – The Industry Game Changer

Marc Choquette, Dunin Technologies spoke recently at the CKCA Regional Event in Sherbrooke, QC on the game changing concepts of artificial intelligence. Here is a quick summary of the insights he shared, it gives any manufacturer plenty to think about regarding “what’s next”:

What’s your reality?

- Complete customization is becoming the new standard
- Vast selections, colours, options – so much
- All these options start to affect the engineering of cabinets
- Customers is still king, they want it now, they want low cost
- To take an order from a customer, you need a lot of people and these people need a lot of training
- In manufacturing there is long pre-production phase – things go back and forth and that takes time
- When you add new lines its costs
- Most manufacturers deal with huge catalogues
- Becomes nearly impossible to manage so many options
- The next Revolution that is here is 4.0 – from ordering to packaging with little to no intervention
- It’s all about data
- Data gets collected where the information is, but you want control
- You need to start analysis of the data
- The ERP system tells you “what’s cooking”?
- Then you move to “predictive analysis” – you can tell what’s coming
- Prescriptive analysis is tapping into big data
- They can tell you, this is coming, this is what you should do
- Printing 3D is fantastic
- Soon we will be able to print wood!
- Everyone agrees this revolution will happen faster than any other revolution
- Robots exist that can observe people and do deep learning
- Robots can learn from each other
- It’s been around a while, but it’s about how they will learn, how they will adapt
- What is AI?
- It’s an expert system, it is complete engineering of kitchen cabinets
- From ordering to packaging

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- The ordering process is a tricky process
- AI is about concentrating on the ordering
- AI has the capacity to address labour shortages because the system can replace people

As one member said during Marc's presentation "machines always show up".