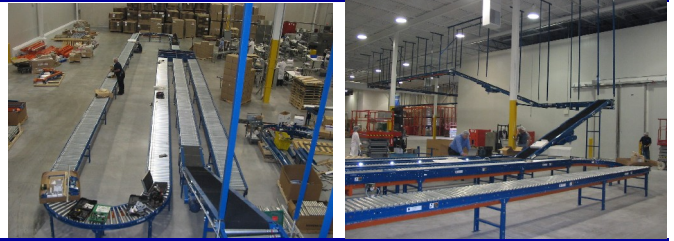


# What's Happening At Wecon Services



October 2005

Volume 1, Number 2

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## Contact Us

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## Welcome

To the second edition of our monthly What's Happening At Wecon Services "WHAWS" newsletter. This month we look at the most common types of conveyors available.

## What's Happening At Wecon Services

- We are in the final stages of the installation for a package consolidation and palletizing conveyor system for a major food producer in Etobicoke, Ontario
- A pallet handling system complete with hydraulic lift tables and turntables is being prepared for shipment and installation in Stratford, Ontario
- The package handling system for some of your favorite morning coffee is in the final stages of the rework required improving efficiency, helping to guarantee your coffee is always there for you
- The rental department has been busy with our regular units being shipped all over the GTA, these units stay out any where from 1 day to 6 months and of course are always maintained by our in house service technicians
- Co-packagers have always been busy but this last month or so they all seem to be gearing up for the Christmas (Yes I said Christmas) season with new material handling equipment or additions to their existing systems
- All the equipment is set for installation for another custom designed package flow system, this needs to be installed in time for a large production run at the end of October
- Our service department has been busy keeping all our past equipment up and running to the level required to keep our customers all happy and productive
- Our used equipment department is even busier than usual as we have gone through over 5000 feet of used conveyor prompting us to restock our used inventory once again.

## Picking The Right Conveyor Equipment

The whole purpose behind implementing any conveyor equipment is to simply make your operation function better, whether it be to make things faster, easier, more efficient or just more organized, anything that makes your operation better looks good on you. This all sounds simple enough but what happens when the equipment is not properly applied? There are many ways in which conveyor equipment can be misapplied; size, type, capacity and flow rates are just a few of the more common mistakes people make when choosing the equipment for their operation, when you ask the experts at Wecon Services you can be assured that the application has been reviewed and the equipment is right for your application.

Now that you have an idea of what Wecon does for you lets review some of the most basic types of conveyor and what they are intended to accomplish for you. Most conveyors will fall into one of the following categories and all have specific functions and can be expected to perform as detailed.

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- Gravity Conveyor
- Accumulation Conveyor
- Transportation Conveyor
- Sortation Conveyor

### Gravity Conveyor

Gravity conveyor in it's most basic description means "it is **not** motorized" Gravity conveyors come in many different sizes, styles and configurations. Gravity conveyors are considered the most economical and versatile conveyors in regular use but, this type of conveyor most defiantly has it's limitations.

Gravity conveyor is available in light, medium and heavy duty versions and all have their pros and cons. As you might expect cost is directly associated to the version required but so is the capability of the conveyor.

Light duty gravity is available in both wheel and roller types. The wheel type is generally used where a minimal amount of pitch or force will be required to move the product, wheel gravity is also very popular in any portable applications, where set ups may be temporary or mobile. Capacities of wheel gravity max out in the \*40-50 lbs./ft. range and side loading is a definite no-no because of the staggered wheels that support the product. Light duty gravity is also available in a 1.4" dia. Roller version. With the roller version the capacity goes up to the \*60-70 lbs./ft. range and side loading is acceptable. The pitch or force required to move product however increases with the increased capacity.

Medium duty gravity is probably the most popular of the gravity family. Our medium duty gravity is a 1.9" dia. Roller and in set in a 3-1/2" deep formed channel frame with rollers spaced out according to the product size. This version of gravity has a capacity of up to \*400 lbs./ft. generally this version of gravity is used in permanent installations, again with the increased capacity the pitch or force required to move the product also increases.

Heavy duty gravity is a less popular model but still is widely used for handling full sized pallets. Our Heavy duty gravity is a 2.5" dia. Roller set in a 4" deep formed channel frame with rollers spaced out according the product size. This version of gravity has a capacity of up to \*1400 lbs./ft. Not a very complicated piece of equipment but defiantly should have our application expert review prior to finalizing any application.

\* capacity ratings do not take into consideration any "IMPACT LOADING" which is the single biggest variance when considering any conveyor application.

## Next Month

Continuing review of Common Equipment

"Transportation Equipment"

## Contest Corner

### WHAWS?

Thanks to everyone who entered our contest. We received a number of entries, some were correct and some were just plain interesting (those answers cannot be printed here)

The draw was held and the WINNER is Mr. Greg Farrow. Greg will receive a new version of the Wecon Services Winter Jacket, these are a new design and have been in the making for quite some time. Congratulations Greg !