INSTALLER

Wecon Systems Ltd. (hereafter known as Wecon) with head office and manufacturing plant located at:
4635 Burgoyne Street, Unit 11
Mississauga, Ontario
L4W 1V9

MECHANICAL EQUIPMENT SPECIFICATIONS

Motor Driven Roller Conveyor (MDR):
Motorized-roller conveyor sets the standard in material handling flexibility. Its key is the use of a motorized roller that powers each zone or segment of the conveyor. A truly modular system that can be completely customized to meet your current requirements
Wecon will supply New MDR conveyor
• 18” nominal width Roller zone accumulation, approx. 45’ linear feet.
• 1 x 90 degree curves
This equipment will be used inside the cold room to manage the flow of processed orders into the automatic case sealer and accumulate the cases after the case sealer prior to palletizing. Having accumulation conveyor in this areas of the process is required to allow your workers time to locate and place the completed orders onto the pallet in the correct order. This equipment will not provide any back pressure on the orders and we can easily control the zones to tailor the performance as needed.

Wecon Slider Bed Belt Conveyors:
Modular Design.
• Belt – Friction, 14” wide.
• 5.25" frame height with 3” fixed guards both sides, full length
• 575V 3PH gear motors (engineered to suit individual belt pull calculations)
Wecon will supply new belt conveyors as follows:
:

1 x 12’ long Slider bed incline
1 x 19’ long Slider Bed Incline
1 x 19’ long Slider Bed Decline
2 x 60’ long low friction top slider bed

This conveyor is used to change the elevation of the empty cases from floor level where the workers are putting in the liners, bags and VAD to the overhead elevation.
Wecon Live Roller Conveyors:
Rollers are driven by pre-tensioned polyurethane belts which pull the drive spools against the line-shaft. This conveyor allows unequaled versatility with high speed, complete reversibility and minimum pressure accumulation when required. Auxiliary equipment can include: transfers, spurs, adjoining parallel sections, merges,

switches, sortation devices, powered guard rails, etc.
Specifications:

Overall width: 18”
Width between frames: 16”
1.9” dia. rollers on 3” c/c
Overall Linear Feet (System): ~ 300’
Number of Curves: 2 x 90 degree, 2 x 45 Degree
Drives: 9 drive units, 575V- 90 FPM

This equipment is very versatile and flexible and can be implemented inside the cold room. We will use this equipment to convey the formed cases out of the case erector. We will create gravity roller zones along the first lane to allow workers space to install the case liner, bag and place in the Value Added Documents (VAD) into the case. We will use this conveyor type to transport the empty cases to each of the 10 processing tables inside the cold room.
Miscellaneous Equipment/Services:
• Standard 1” to 3” fixed galvanized side guards (as defined)
• 18” x 24” ball transfer table with dust cover, 1” balls on 2” c/c
• W24P6E Flexible conveyor – Gravity 7’-6” collapsed. 27’ expanded.
• Photo eye mounting brackets (enclosed type)
• Safety finger guards, fully enclosed chain guards and end caps on exposed conveyor ends
• Floor Anchors and related hardware
Mechanical layout drawings, installation and shop drawings
Spare Parts list with pricing, a recommended parts on hand list with pricing.
System training for both workers and maintenance staff

ELECTRICAL EQUIPMENT SPECIFICATIONS
One new main panel to control motors and devices. Panel will be located near the incline belt inside the cold room with ease of access for system start and re-set.
575V 3 Phase 60 Hertz.
Wecon Systems will provide the following:
Pre-wired, pre-tested NEMA 12 control cabinet(s) containing
• Main panel, door-mounted disconnect for 3-phase power feed
• Programmable logic controller complete with coprocessor module
• 120 V AC control voltage transformer
• Fusing or circuit breakers for all branch circuits (short circuit protection)
• Motor starters and overload relays for motor running overload protection
• Control relays and timers necessary for system operation (plug-in type or base mounted type)

• Point-to-point wiring within the panel will be enclosed in plastic wire-ways.
End point connection of control wires for remote devices will be brought out to terminal strips for ease of field connections. All control wires will be identified at each end with numbered tags (adhesive tape type or computer-generated)
• Pushbutton and/or pilot light units in cabinet door.
Field components include
• Non-fused motor isolations switches
• Safety Pull Cords where required
• Beacon Lights- start up warning horn
• Photo eyes with reflectors.
Sets of electrical drawings to include
• Schematic wiring diagrams (motors and controls)
• Field device layout
• Panel layout and parts list
• PLC Programming
Controls, motors, and other Wecon Systems supplied equipment will be designed to operate from a nominal supply of 575 volts, 3 phase power at 60 hertz, with a voltage variation not exceeding plus or minus 5% of nominal.
Power supply of adequate capacity must be provided by Chefs Plate to the disconnect switch within Wecon’s control panel. Final panel location to be discussed during project implementation and confirmed in writing with Wecon’s Project Manager.