

**JD GRAY ASSOCIATES  
MANUFACTURING PRODUCTIVITY CONSULTANTS**

**PACED ASSEMBLY, TEST AND CRATING**

**PRIMARY CONVEYOR WITH CONTROL PANEL  
& ACCESSORIES**

**AND**

**SECONDARY ROLLER CONVEYORS**

**EQUIPMENT QUOTATION**

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**I. EQUIPMENT PROPOSAL**

<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>COST</u>
Primary Paced Assembly Conveyor - see Paced Assembly Line Dimensional Sketch.	1 System	\$80,000
1 - Heavy Duty, Indexing, Slider Bed Conveyor 70'L X 30"W X 30"H		
1 - Control Panel with PLC's for Preset Dwell Times on each Family Type		
7 - Sets of Two Work Station Electrical Boxes (both sides of conveyor)		
7 - Sets of Two Work Station Pneumatic Outlets (both sides of conveyor)		
7 - Sets of Two Work Station Miscellaneous Part Tray Railing (both sides of conveyor)		
7 - Sets of Two Work Station Miscellaneous Parts Containers (both sides of conveyor)		
2 - Tool Rail Conveyor Length Sections		
1 - Variable Traverse Timer		
1 - Variable Dwell Timer		
3 - Emergency Stop Buttons		
Secondary Support Roller Conveyor - see Peripheral Conveyor and Operator Location Sketch	1 System	\$10,000
1 - Inbound Crate Roller		
1 - Outbound Reject Roller		
1 - Inbound/Outbound Test Roller		
1 - Suspended Overhead Parts Shelf		
New York Sales Tax - 8%		\$ 7,200
<b>TOTAL EQUIPMENT</b>		<b>\$97,200</b>

Quotation No      1807A

**Terms:**

- Irrevocable Letter of Credit for total amount from central bank in customers region.
- 50% down payment via bank to bank wire transfer upon purchase order assignment and tour of manufacturer's facility.... \$48,600

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- **50% final payment via bank to bank wire transfer upon inspection and test run of completed assembly conveyor at manufacturer's facility.... \$48,600**
- **Shipping: Customers responsibility from manufacturer's New York facility location.**
- **Delivery: 75 days.**
- **Note: Initial tour of manufacturer's facility can be deferred to the later inspection and test run time frame to consolidate both trips into one.**
- **Primary Assembly Conveyor, Controls and Control Panel, Accessories and Peripheral Conveyor to be completely fabricated, pre-constructed, inspected, tested at New York factory. Once tested, the primary conveyor will be disassembled into half sections requiring re-assembly of half sections, belt mounting and electrical hook-up at the manufacturers plant. Should client want conveyor vendor onsite for equipment installation, an additional vendor fee will be required which should be negotiated directly with the vendor prior to order placement.**

**II. AUTHORIZATION**

**CONVEYOR EQUIPMENT**

**TOTAL COST \$97,200**

**QUOTATION NUMBER Q1807A**

**DATE \_\_\_\_\_**

\_\_\_\_\_  
(SIGNATURE)

MANUFACTURER OFFICIAL

\_\_\_\_\_  
(SIGNATURE)

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**PURCHASE ORDER NO \_\_\_\_\_**

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**III. Heavy Duty Roller Bed Conveyor - Belt Over Roller**



**Roller Bed (Belt over Roller) Conveyor** is used for packing, inspecting, sorting, assembling, testing and as transportation conveyor.

**Specifications and Features**

**Belt Width** - 12", 18", 24", 30", 36", 42" and 48" Black PVC 120 belt.

**Bed** - Roller bed with 1.9" diameter galvanized steel rollers. Rollers spaced on 6" centers. Rollers mounted in 7" deep x 12 gauge powder painted formed steel channel frames. Frames bolted together with butt couplings and floor supports.

**X-Bracing** - Frame squaring device supplied on conveyors 40 feet and longer for every other bed section. X-bracing insures good product and belt tracking.

**Drive Pulley** - 8" diameter crowned and fully lagged, 1-7/16" shaft.

**Tail Pulley** - 4" diameter crowned supplied through 30" wide belts. 6" diameter crowned supplied for 36" and wider belts. 4" diameter pulley has 1-3/16" diameter shaft; 6" diameter pulley has 1-7/16" diameter shaft turned down on ends to 1-3/16" diameter.

**Pop-Out Roller** - 1.9" diameter roller Located at drive pulley and tail pulley.

**Snub Roller** - 2-1/2" diameter adjustable roller, Located directly behind drive pulley, 2" diameter located behind tail pulley.

**Return Rollers** - 1.9" diameter adjustable on 10'0" centers.

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**Take-Up** - Located at tail end, provides 12" of belt take-up.

**Bearings** - Sealed-pre-lubricated with cast iron housings.

**Floor Supports** - Adjustable 31-1/2" to 45-1/2" from floor to top of belt. One support supplied at each end of conveyor and at each bed joint.

**Speed Reducer** - C-Face mounted heavy duty worm gear reducer.

**Motor** - 1/2 HP 230/460-3-60 TE motor.

**Belt Speed** - 60 FPM constant. (Other speeds available)

**Capacity** - 200 pounds per foot maximum. Not to exceed Load Capacity Chart.

**Standard features**

Emergency stops located around machine

User adjustable conveyor index distance

User adjustable conveyor dwell time

Steel construction

**Optional Accessories**

Work Station Electrical outlet Boxes

Conveyor length Tool rails

Work Station Pneumatic Outlets

Component part trays

Component part tray railings

Central Control Panel with PLC's

Fixtures mounted to conveyor as required

### DWELL AND TRAVERSE TIMING

- TRAVERSE TIME @ 1 FOOT PER SECOND. EMERGENCY STOP BUTTONS AT EACH END AND CENTER – MUST HOLD REMAINING DWELL TIME WHEN DEPRESSED AND CONTINUE FROM THAT POINT WHEN RESET.
- DWELL CONTROLS: CONVEYOR NO 1 – 15 PRESET TIMING BUTTONS. CONVEYOR NO 2 – 15 PRESET TIMING BUTTONS. MANUAL OVERRIDE FOR STARTUP. DWELL RANGE 0-20 MINUTES. CHIME 30 SECONDS BEFORE TRAVERSE.

