



# CHARGER ENGINEERING LTD.

#8 - 9510 189th Street, Surrey, BC V4N 4W7

Ph: (604) 888-3682 or 888-3886 Fax: (604) 888-3438

www.chargerengineering.com

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## Next Generation Belt Slitting Machinery

### Standard features

- All Belt Slitter models come with standard center cutting table.
- All models have hydraulic cylinder powered, welded frame roll lifting arms with bronze drawbar bushings, steel drawbar safety latches.
- All models have extra-duty high-torque hydraulic windup motors with adjustable hydraulic braking.
- All models come with choice of Compact model, or “walk-through” end frame feature for easy belt loading onto table.
- All models come with 1 pair of 3” solid drawbars (mandrels) & 3 knife holders.
- **72” wide roll:**           **28,000 lbs. capacity, 10 ft max. roll diameter**  
  **40,000 lbs. capacity, 12 ft max. roll diameter**

#### Add-on Options:

1. Hydraulically operated side shift on either unwind or windup end
2. Hydraulically operated side shift both ends
3. Power Pinch Rolls
4. 80 Durometer Feed roll
5. Power Cross Cut
6. Hydraulic oil cooler c/w automatic fan
7. 2” Draw bars (solid)
8. 3” Draw bars (hollow)
9. 3” Draw bars (solid)
10. 4” Draw bars (hollow)
11. 4” Draw bars (solid)
12. 6” Draw Bar – Solid 4140 HTSR 1” radius corner

- **84” wide roll:**           **32,000 lbs. capacity, 10 ft max. roll diameter**  
  **46,000 lbs. capacity, 12 ft max. roll diameter**

#### Add-on Options:

1. Hydraulically operated side shift on either unwind or windup end
2. Hydraulically operated side shift both ends
3. Power Pinch Rolls
4. 80 Durometer Feed rolls
5. Power Cross Cut
6. Hydraulic oil cooler c/w automatic fan
7. 2” Draw bars (solid)
8. 3” Draw bars (hollow)
9. 3” Draw bars (solid)
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- **96" wide roll:**      **35,000 lbs. capacity, 10 ft max. roll diameter**  
   **50,000 lbs. capacity, 12 ft max. roll diameter**

## Add-on Options:

1. Hydraulically operated side shift on either unwind or windup end
  2. Hydraulically operated side shift both ends
  3. Power Pinch Rolls
  4. 80 Durometer Feed rolls
  5. Power Cross Cut
  6. Hydraulic oil cooler c/w automatic fan
  7. 2" Draw bars (solid)
  8. 3" Draw bars (hollow)
  9. 3" Draw bars (solid)
  10. 4" Draw bars (hollow)
  11. 4" Draw bars (solid)
  12. 6" Draw Bar – Solid 4140 HTSR 1" radius corner
- 

## **Belt Slitter Accessories:**

- A) Mechanical Counter (in feet) c/w 2 wheels & spring loaded bracket arm
- B) Extra Knife Holders (Dual style, mounts Hyde & Exacto knives)
- C) Fence Extension for narrow belt cutting  
(to cut narrow belt close to the operator side, reduces back strain & reach)
- D) Stand-alone windup (c/w one 3" solid drawbar)
- E) Optional draw bar support stands, one pair
- F) Aerated table is also available; this is used to provide an air cushion between the table and the belting that allows for less friction and higher speed of operation.
- G) Electronic Soft Start Controller (slowly ramps up power to the main motor to ease load on the utility power supply)
- H) Hydraulic lift tracking arm on windup end only (for one-man belt slitter operation), to assist belt winding squarely on roll & reduce overlap. Comes with ROLLER DISK DIVIDERS for more accurate guide.



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## Charger Next Generation Belt Slitting Machine

Thank you for inquiring about our Power Slitter, following is the information about the Slitter and the Price List. You can see some pictures and download a brochure from our web site.

### Standard Specifications

- The Charger Engineering belt slitter is a free standing, hydraulically operated and self contained unit. No overhead equipment required for loading or unloading belt rolls.
- Infinitely variable speeds on all windup and feed roll motors. High-torque hydraulic reversible Windup Drives at unwind and windup ends, can easily be engaged or disengaged from drawbar to facilitate winding, loading and unloading.
- Heavy duty steel tube and plate welded construction.
- Standard North American hydraulic components are available world wide: Gresen control valves, CharLynn Motors, Vickers Pump and Valves.
- Two lower drive rolls that are coarse machined to ensure positive traction for belt slitting and rewinding. Hydraulic motors power rolls with infinitely variable speeds from 0 to 120 feet per minute.
- Two coarse machined upper table "pinch" rolls, which can be raised and lowered for pinching the belting to the powered rolls. Standard manually power operated, power available.
- 3 supplied knife holders are provided with each machine. The mounting bar is manually operated to raise or lower cutting blades. Knife holder system accepts Hyde style knives (used for cutting heavy belt) and economical Stanley style razor blade knives (used in cutting lightweight belting). The dual knife holder comes as standard (2016 addition).
- Roll capacity from 28,000 lbs. to 46,000 lbs roll capacity. Custom designs for 60,000+ lbs.
- Windup pinch rolls are spaced 3" further from the knife bar for easier access and adjustment (2013 addition)
- Far side fence is operated by momentary activation of electric motor to advance & retract the fence, & on-the-fly adjustments for variations in belt width. The near side fence is manually adjusted via turn handle.
- The fence is self locking and will not creep.



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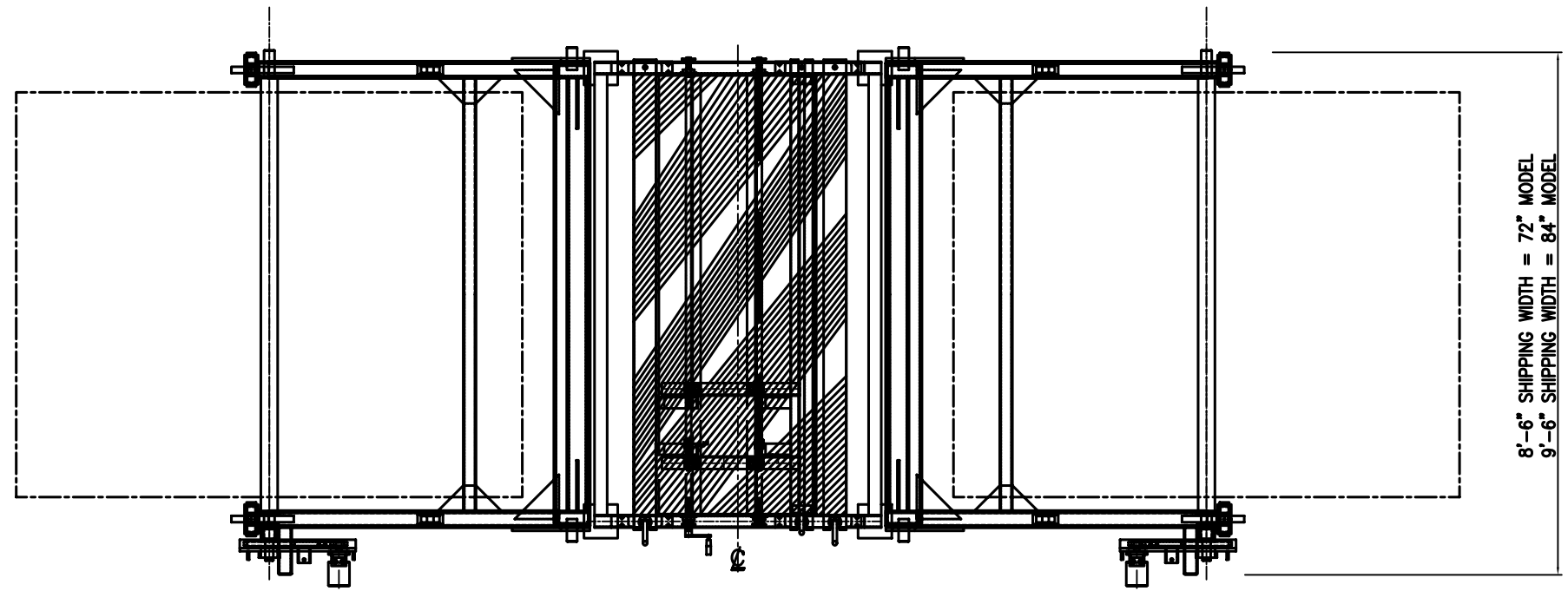
www.chargerengineering.com

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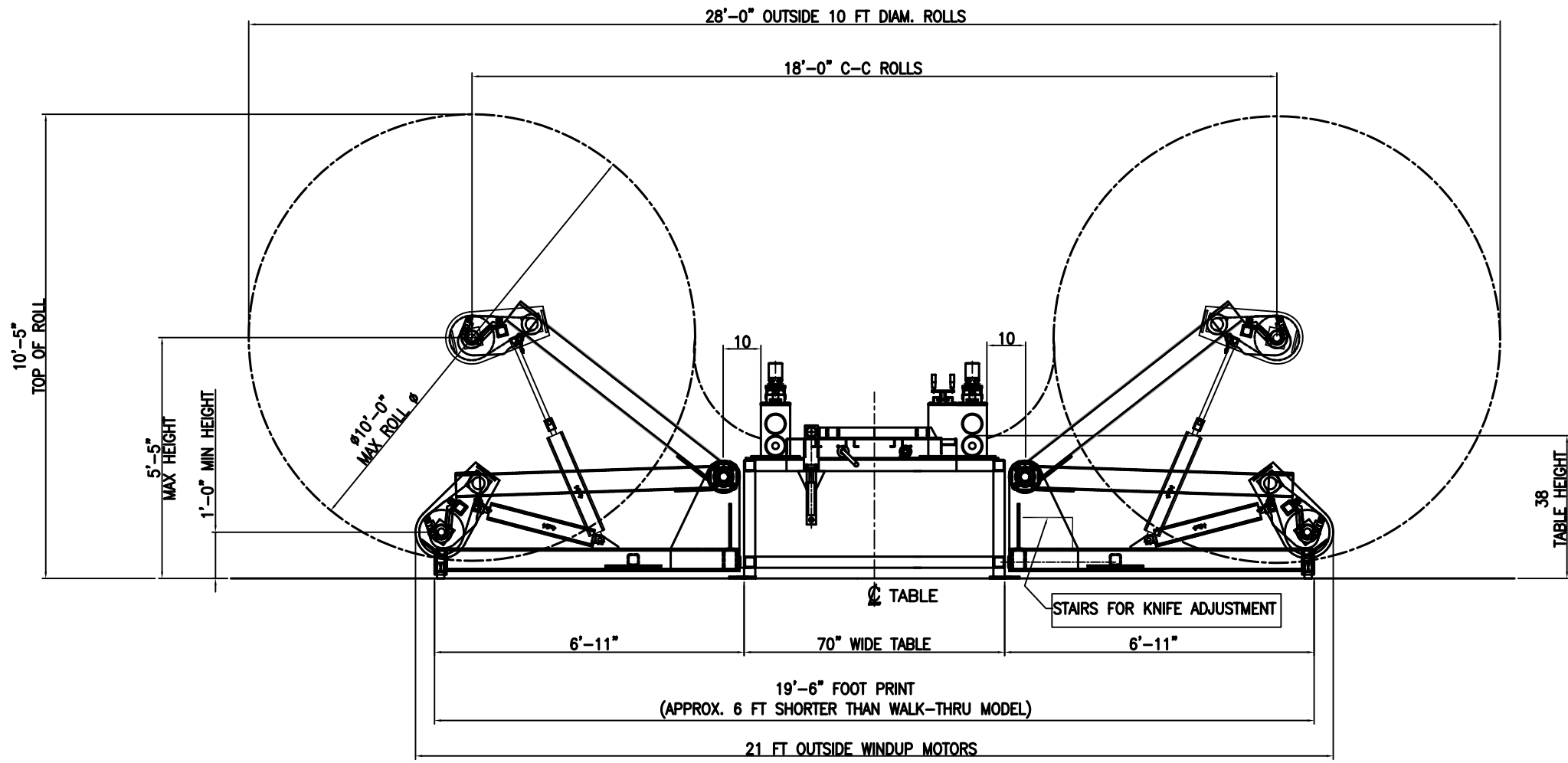
- Hydraulic power unit is mounted under the table section. Vickers pump mounted on a drip tray reservoir. Motor voltage of 208-600 volts, 3-phase power depending on requirements.
- Hydraulically operated lift arms with heavy-duty Hydraulic Cylinders (allows for lower overall profile of machine). Two 3" solid drawbars supplied standard.
- Compact or Walk through features available for easy access by personnel to set up knife system.
- The unit is shipped fully assembled and shop tested prior to shipping. Comes with operator's manual & factory technical support.
- 12,000 to 14,000 lbs shipping weight.

## **Options Available**

- Side Shift options can be added to Unwind and Windup Ends. This feature allows for correcting poorly rolled belting that may be rolled telescopically.
- 80 durometer Vulcanized rolls for better tracking and traction of smooth finished belt.
- Powered Pinch Rolls for increased productivity and operator ease.
- Power crosscut for cutting belt squarely to length. This feature allows for safe efficient and accurate cutting of belt. The payback of this feature is very quick.
- Hydraulic oil cooler available with automatic fan and adjustable thermostat for hot climates.
- 2", 3", 4" & 6" square hollow & solid Drawbars (mandrels) to accommodate your cores.
- Mechanical counters & extra knife holders.
- Stand-alone secondary windup.
- Aerated table available for cutting of sticky materials.



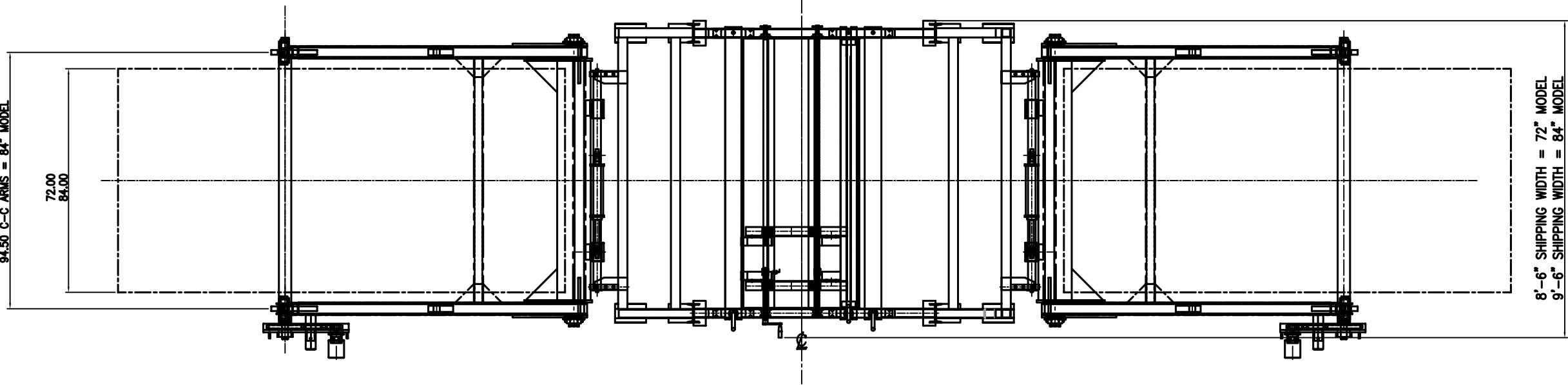
8'-6" SHIPPING WIDTH = 72" MODEL  
 9'-6" SHIPPING WIDTH = 84" MODEL



COMPACT MODEL — NO WALK THROUGH  
 (10 FOOT ROLLS SHOWN)

REV	REVISION DESCRIPTION	DATE	BY	TOLERANCES UNL.S.	DATE	03/27-06	CHARGER	CUSTOMER
				THREE DEC. .000 ± .005"	CONCEPT	-		NEXT GENERATION BELT SLITTER
				TWO DEC. .00 ± .01"	DRAWN	SG		COMPACT MODEL
				FRACTIONAL ± 1/32"	CHECKED			
				FABRICATION ± 1/16"	APPROVED			
				ANGLES ± 0.5°	QUOTE #	QUOTE #		GENERAL ASSEMBLY
				BREAK ALL SHARP EDGES	SCALE	NTS		D-300-011.40K

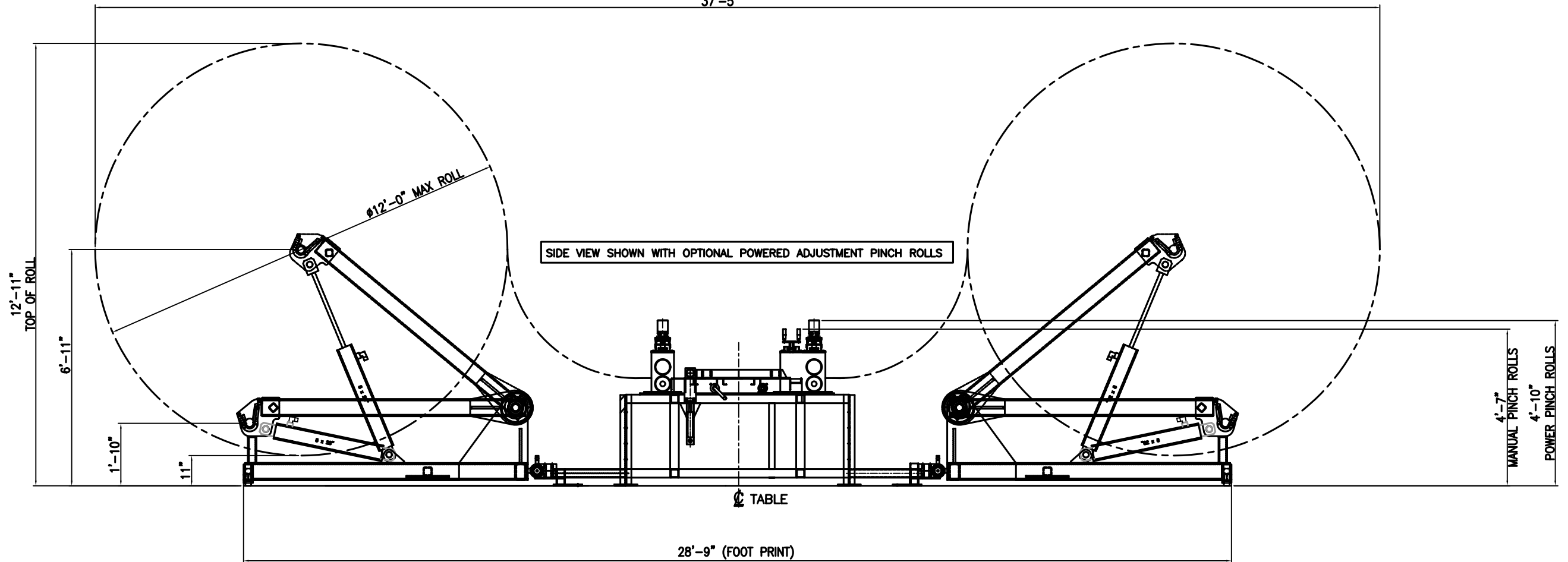
82.50 C-C ARMS = 72" MODEL  
94.50 C-C ARMS = 84" MODEL



8'-6" SHIPPING WIDTH = 72" MODEL  
9'-6" SHIPPING WIDTH = 84" MODEL

TOP VIEW SHOWN WITH STANDARD MANUAL ADJUSTMENT PINCH ROLLS

37'-5"



SIDE VIEW SHOWN WITH OPTIONAL POWERED ADJUSTMENT PINCH ROLLS

TABLE

28'-9" (FOOT PRINT)

4'-7"  
MANUAL PINCH ROLLS  
4'-10"  
POWER PINCH ROLLS

# WALK THROUGH MODEL (12 FOOT ROLLS SHOWN)

TOLERANCES U.M.O.		DATE	03/27-06	<b>CHARGER</b> ENGINEERING LTD.	CUSTOMER NEXT GENERATION BELT SLITTER WALK THROUGH MODEL	
THREE DEC.	.000 ± .005"	CONCEPT	-			18-0510-1800h SL SURVEY B.C. VAN 497, 604-888-3888 www.chargerengineering.com
TWO DEC.	.00 ± .01"	DRAWN	SG	REV -		
FRACTIONAL	± 1/32"	CHECKED				
FABRICATION	± 1/16"	APPROVED				
ANGLES	± 0.5°	QUOTE #	QUOTE#			
REV	REVISION DESCRIPTION	DATE	BY	BREAK ALL SHARP EDGES	SCALE	NIS

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**Standard table showing the cross cut, power pinch rolls, spring loaded counter in the down position. Six knife holders installed,**



**Compact model without walk through feature with arms lowered on one end and raised on the other.**



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**Compact Model shown with lifting arms raised.**



**Compact Model shown with Lifting arms lowered.**





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**Detail of typical control panel.**

**Hydraulic options are individually controlled while the main flow valve can be set to full-flow or progressive operation, located at the operators knee to free up operators hands.**



**Walk-Through feature shown for easier loading and handling of belt. Available as a no extra cost option.**



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**Easier access to the knife adjustment. Counter shown in the raised position.**



**Optional draw bar support stand. This is useful in supporting offset loads and to prevent drawbar deflection and telescoping rolls.**

**The height is coarse and fine adjustable. Comes in pairs.**



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**Optional 80 Durometer feed rolls, for better tracking and traction of smooth or slippery belting.**



**Ball bearing disk dividing arm for more accurate windup and single man operation. It ensures the belt is wound square and true without telescoping.**

**The dividing arm is hydraulically operated, and automatically adjusts to the roll diameter during operation.**



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**Standalone secondary windup frame with hydraulic motor. The unit is powered from the belt slitter and separately controlled.**



**Heavy duty windup motors, with adjustable hydraulic brakes and relief hydraulics to enable synchronization of rolls.**

**All hydraulic and mechanical components are from main stream suppliers for easy maintenance and minimum downtime.**

