



## ALTERNATE (UNDERSLUNG) DRIVE SYSTEM



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**Model #CDR-99****SPECIFICATIONS****A. DESCRIPTION**

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Provide powered roller conveyor as shown on plan, Bi-Line Model #CDR-89. Conveyor to form an integral part of scrapping table and shall carry standard 20" x 20" glass/dish racks to gravity roller conveyor and/or dishmachine.

**B. CONSTRUCTION**

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Unit shall be constructed of 14 ga. stainless steel (s/s) side channels with s/s covers. Drive housing located as shown on plan shall be either located at tail end (tail driven model – standard), or at any location along length of side channel.

**C. ROLLERS**

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Rollers shall be 1-5/8" dia. 16 ga. s/s tubing fitted with self-lubricating acetal bearings. Rollers are mounted between side channels and no part of the roller extends into the side channels.

**D. DRIVING SYSTEM**

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Rollers shall be mounted on 1/2" dia. s/s shafts that extend into the side channels through all-plastic self-lubricating bearings. The drive end of the shaft is fitted with an easily replaceable UHMW polyethylene sprocket. The sprocket (and shaft) is driven by a continuous s/s chain which runs on polyethylene wear strips on top and return strands. The driving motion is obtained by the movement of the chain travelling under the sprockets.

**E. GEAR MOTOR**

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The conveyor gear motor drive shall be a totally-enclosed fan-cooled type with corrosion-resistant finish.

**F. CONTROLS**

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The conveyor shall be controlled by a watertight panel located (usually) under the dishtable or any other suitable location where it is easily accessible to maintenance personnel only. The panel contains all required electrical components including magnetic starter with overload protection and necessary fusing.

The conveyor is operated by remote start/stop stations located where shown on plan. Interwiring from main control centre to remote panels by Bi-Line.

**G. OPERATION**

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The conveyor operates as a low-pressure accumulation system. Rollers turn independently of sprocket/shaft combination. This allows the rollers to stop while the chain continues to move when product is "backed up", or accumulated, on conveyor.

**H. SERVICES**

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1/2 or 3/4 hp, 120/208 volt, 3 ph. 60 c. No water or drain connections are required.