

# Martin's Pride CTC

Martin's PRIDE CTC, a wonder product which is a result of long and continuous R&D from Mesco. Specially design for robustness, durability and trouble free operation. Gives much higher output and good cut with less cost.

## Salient Features:

- Construction :**
- 100% alloy graded cast iron body with 16.5 Deg inclined frame design.
  - Reduced height for better and accurate roller setting, clear view and easy maintenance.
- Drive:**
- Own house product. Heavy duty gear box made of graded cast iron.
  - Hardened shaft and gears and heavier bearings for long , trouble free gear box life.
  - Mandrel are made of thick , seamless pipes and fabricated by MIG weld technology.
- Cutting Rollers:**
- Precisely machined and Dynamically balanced roller.
  - Stainless Steel Segments for roller are from own forging plant, with proper grade and dimensions.
  - Unique Dovetail housing block for continuous backless elimination. Rigid vibration free.
- Bearing Housing:**
- Axial adjustment with dovetail mechanism for better matching of rollers.
  - Cartridge Bearing. Sealed within steel case to ensure longer life of bearing
  - Not need to remove bearings always during sharpening, result long live.
  - Also reducing time for roller changing in CTC.
- Cutting Unit Cover:**
- Moving cutting unit cover with positive drive alloy steel gear system with dual scraper.
  - Hydraulic lifting arrangement for easy handling and maintenance.
- Cooling Arrangement:**
- Centralized cooling arrangement with S S twin duct
  - High air discharge volume blower.
- Conveyor Belts:**
- Durable, hygienic PVC bely with smooth surface.
- Conveyor Drive:**
- Traditional chain & sprocket drive, no slippage, less maintenance.
  - Independent geared motor drive arrangement also available on request.
- Micro Dial: Auto De-Jamming:**
- Heavy duty with fine graduation for correct engagement
  - Easy synchronized cam mechanism, separates rollers automatically.
  - Connected with micro adjustment system, will engage in previous setting.
- Almost Zero Spillage:**
- Conveyor slope, side spillage guard and modified scraper prevents spillage
  - Auto tripping arrangement is fitted at first cut to prevent damage to rollers from foreign materials.
- Auto Trip : Lifting Tackle:**
- Roller lifting tackle is provided with the machine with capacity 1mtr

TECHNICAL SPECIFICATIONS OF MARTIN'S PRIDE CTC													
MODEL													
	JUNIOR				SENIOR				JUMBO				
ROLLER LENGTH IN INCH	8.5" (216 mm)				9.5" (241 mm)				13" (330 mm)				
MACHINE HEIGHT	24	30	36	42	30	36	42	30	36	42	48	52	
OVERALL MACHINE DIMENSION	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	1170	
MACHINE WIDTH													
MACHINE LENGTH *	2260	2410	2560	2710	2410	2560	2710	2500	2650	2800	2900	3215	
SIMPLEX	4865	4865	4865	4865	4865	4865	4865	2500	2650	5130	4870	4620	
TRIPLEX	8700	8700	8700	8700	8700	8700	8700	2500	2650	9510	9330	9120	
QUADRUPLEX	10620	10620	10620	10620	10620	10620	10620	2500	2650	11700	11560	11370	
QUINTUPLEX	12535	12535	12535	12535	12535	12535	12535	2500	2650	13890	13790	13620	
* Length of discharge conveyor can be increased as per client's requirement, based on layout.													
POWER (HP)													
1ST CUTTING UNIT	12.5	15	20	20	15	20	20	20	25	25	40	40	
SUBSEQUENT CUTTING UNITS	10	12.5	15	15	12.5	15	15	15	20	20	30	30	
AIR BLOWER	2	2	2	2	2	2	2	2	2	2	3	3	
ROLLER RPM													
SLOW SPEED	72	72	72	72	63	63	63	50	50	50	50	50	
HIGH SPEED	720	720	720	720	630	630	630	500	500	500	500	500	
STANDARD FORGED SEGMENT													
STANDARD ROLLER SPECIFICATIONS													
WITH WIDTH 50.4 mm	JUNIOR				SENIOR				JUMBO				
	OD-216 mm & ID-162 mm				OD-241 mm & ID-185 mm				OD-330 mm ID-270 mm				
HELICAL NO. 8 TPI	50				60				80				
HELICAL NO. 10 TPI	60				70				100				
TOOTH PROFILE	SHOULDER TO SLOPE RATIO: 1:1, 1;2, 5:3 AND U OR V PROFILE												

Note: Due to a continuous process of improvement of product, the designs and specifications are bchange without prior notice.