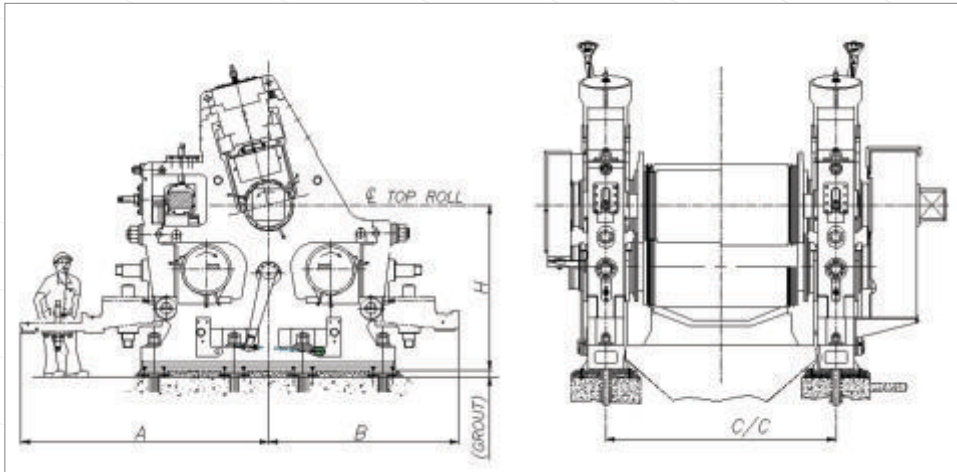


MCD/01 Miling Unities



Main Features

GAUGE		34" x 54"	37" x 66"	42" x 78"	42" x 78"	46" x 84"	46" x 90"	50" x 90"	53" x 90"	56" x 100"
DIMENSIONS (mm)	A	2750	2855	2295	2295	3630	3630	3630	4000	4205
	B	2210	2205	2355	2355	2860	2775	2860	3270	3410
	H	1850	1910	2090	2090	2400	2400	2420	2680	2800
	C/C	2150	2500	2854	2950	3200	3350	3350	3400	3700
MILL SPEED (RPM)		7,5	7,0	7,0	7,0	6,5	6,5	6,5	6,0	5,5
MILLING CAPACITY (TCH)		320	420	640	640	770	820	880	920	1100
BEARING DIMENSION (ØN x L)		381x458	445x566	482x636	482x636	560x686	560x686	560x686	615x750	630x770
* ESTIM. WEIGHT OF 01 TANDEM. (Kg)		70.000,00	110.000,00	128.000,00	131.000,00	180.000,00	190.000,00	225.000,00	237.000,00	250.000,00
* THE WEIGHTS INDICATED ARE FOR REFERENCE ONLY, AS THE WEIGHT OF EACH TANDEM DEPENDS ON ITS SCOPE; THAT IS TO SAY: WITH DRIVE; WHICH TYPE OF DRIVE; DIAMETERS OF SHELLS AND/OR OTHER COMPONENTS.										

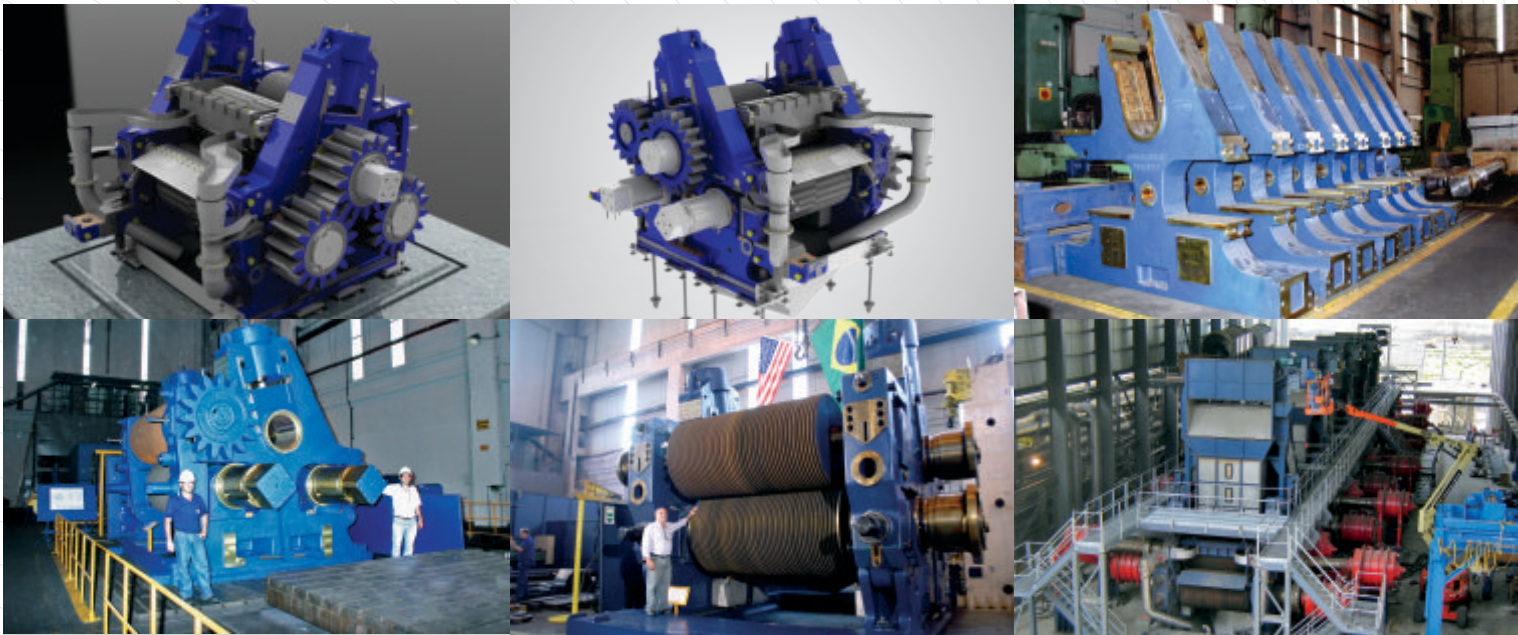
Main Components

- Housings:
- Fixation and Leveling of Housings
- Closing Bases
- Top Bearings
- Adjustable Piston/Top Bearing shims
- Bottom Bearings
- Hydraulic Top Caps
- Side Caps
- Trash Plate Regulating System
- Mill Rollers with: shells, bearings, Shafts and Pinion Gears
- Pressure Roller with: Bearings, Shaft, shell/Pinion Gears
- Top Scraper Set (Botton Scraper)
- Bottom Scraper
- Pinion Gear Covers (Mill and Pressure Roller)
- Oscillation Indicators
- Mill Juice Tray Trough (Individual Type)
- Gutters for Protection against juice (for bottom bearings)
- Complements

Optional Components

- Recommended Spare Parts.
- Bearing Cooling System
- Oil Lubricating System
- Grease Lubricating System
- Grease Spray System for Pinion Gears
- Mill Walkways with Access Stairs
- Drive type:
  - Single per tandem, or;
  - Individual per Roller
- Coupling between Mill Drive and Mill Shaft (Single Drive per Tandem) of the Type:
  - With Square Couplings and Dephased Tail Bar, or;
  - Flexible Coupling.
- Coupling between Roller Drive and Roller Shaft (Individual Drive per Roller) of the Type:
  - Flange and Counter Flange, or;
  - Shrink Disc.
- Mill Pressure System, with the following Alternatives:
- Automatic System for Control of Top Roller Fluctuation, which may be:
  - With Accumulators mounted on a Centralized Support, or;
  - With Accumulators mounted on Individualized Supports on the Tandems;
  - New Hydraulic Unit, except in case of enlargement.
- Conventional Hydraulic System, which may be:
  - With Accumulators mounted on a Centralized Support, or;
  - With Accumulators mounted on Individualized Supports on the Tandems;
  - New Hydraulic Unit, except in the case of enlargement, or existent, if it withstands the pressure required for test or work.
- Outlet chute (Only) for the Last Mill of a Tandem

Piracicaba - SP - Rod. Rio Claro/Piracicaba, Km 26,3  
Bairro Cruz Caiada - CEP: 13412-900  
Phone: (19) 3403-3047 Fax: (19) 3403-3168  
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Dedini Mills - MCD/01

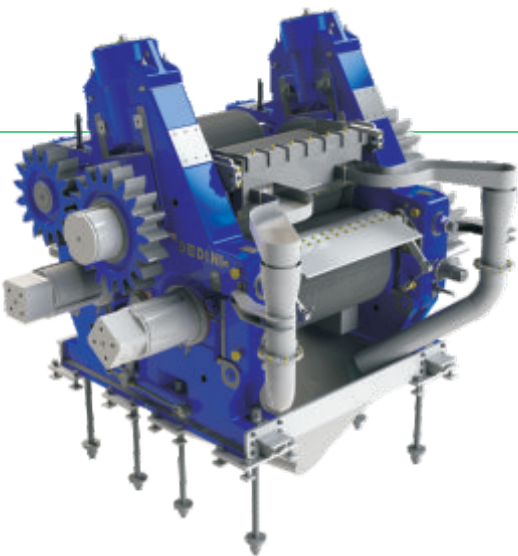
BIO - Equipment & Plants



# Dedini Mills - MCD/01

Sizes (in)	Speed (rpm)	Capacities (tc/h)
34x54	7	300
37x66	7	420
39x66	7	460
42x78	7	640
45x78	7	680
46x84	7	770
46x90	7	880
50x90	7	1040
53x90	7	1120
53x96	7	1180
56x100	7	1400

- Notes:**
- 1. Considered capacities for 6 miling tadem with 13% fiber content.
  - 2. Milling capacity may vary depending on rotation, roll diameter, fiber and preparation index, thus the indicated values may vary in function of these parameters.

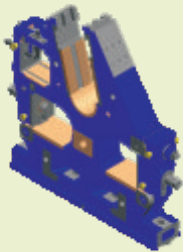


Dedini Mills MCD line, was developed to meet the demands of a wide milling range, allied to great robustness, simplicity and flexibility. The main feature is the ease maintenance and a series of innovations incorporated into the design, seeking to meet our customers' requiriments.

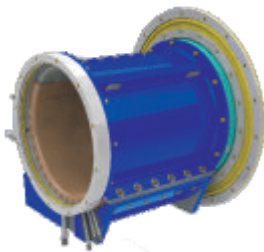
## Main Features

**Top Roll Oscillation:** Inclined at an angle of 15° in relation to cane input, to allow better distribution of efforts and greater facility of top bearing displacement.

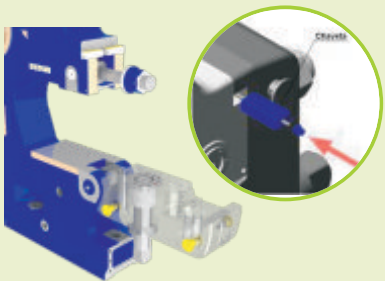
**Housings:** Manufactured of extremely robust cast steel, with amplified geometry to allow the use of large diameter shells. They are provided with a stainless steel lining to prevent corrosion, and the non lined parts are protected with an epoxy coating.



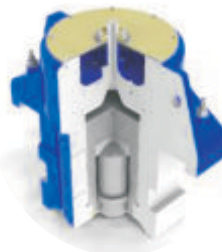
**Bearings:** Cast steel box with liner bronze, with internal cooling system. They were designed special seals composed of rubber retainers with springs, stainless steel and/or carbon steel rings lined with hard chrome.



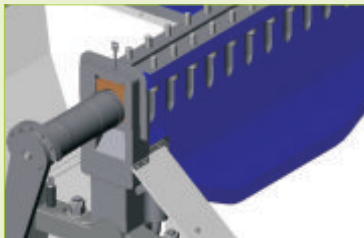
**Side Caps :** Of articulated type, enabling fast assembly and dismounting, in addition to facilitating the work of bearing adjustments on shafts, serving as a base for maintenance and assembly when articulated in the horizontal position



**Top Cap:** Fixed to the housings by means of parallel keys that allow easy assembly and dismounting. Long, hard chrome-lined piston, with special high pressure retainer. They can be manufactured with pivot type or guided rod type.



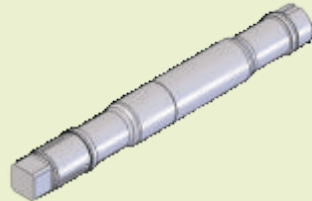
**Turnbeam Assembly:** The Turnbeam has two lines of fixing bolts with stainless steel lining on the turn plate support surfaces, and the bottom support surfaces. It has a stainless steel protection system against the action of juice for the regulating screws and sustaining support.



**Shells :** Made of gray cast or nodular iron molded in metal shells that guarantee better casting quality, greater strength and excellent weld retention capacity of the lining (Base weld; Over Base weld; side weld ; Tear drop weld and Spray weld).



**Shafts:** Made of forged carbon steel, with various configurations to meet several options of available drives on the market.



**Crown wheels:** Made of cast alloy steel with in volute profile, teeth bottom may be machined to eliminate the decarburization zone, and tooth flanks with templates to ensure contact good distribution.



**Flanges:** Made of carbon steel plate or cast steel, with anti-wear lining on surface in contact with sugarcane, fixed to the top sleeve by means of special high strength bolts.

