

Cail & Fletcher MillMax[®]



The ideal equipment to optimize
your capital and operating costs

- Low energy consumption
- Reduced maintenance
- Limited reabsorption

The Cail & Fletcher MillMax[®] permits an efficient sugar extraction from the cane and ensures a low moisture of the bagasse before its combustion into the boiler.

OUTSTANDING PERFORMANCE

- Optimized and easy settings
- Only 2 pressure rollers
- Variable speed
- Patented device for limiting juice reabsorption (CAP[®])
- Increased capacity with same installed power
- Low installation and running costs
- High flexibility in choice of drives
- Possible installation of perforated top roller

AN ECONOMICAL CHOICE

Costs comparison	4-roller mill	MillMax [®]	Saving with MillMax [®] (%)
Capital costs (mill + drive + civil costs)	100	90	10
Maintenance per year	100	80	20
Energy consumption per year	100	80	20

Operating conditions: 420 tch during 200 days

CAP[®] SYSTEM TO IMPROVE EXTRACTION AND REDUCE THE MOISTURE OF THE BAGASSE

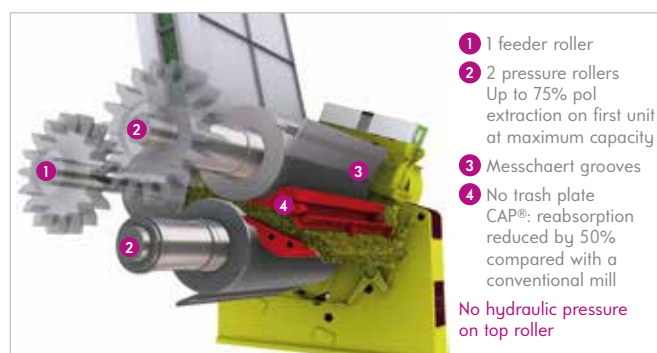
- Reabsorption limiting device
- Adjustable device depending on MillMax[®] capacity and requested performance
- Adjustable scrapers as rollers wear



CAP[®]: reabsorption limiting device

LOW MAINTENANCE REQUIREMENTS, SMALL FOOTPRINT

- 20% reduction in annual maintenance costs
- Less component parts: no third roller, no trash plate
- Less maintenance time required
- Over 20% reduction in energy consumption
- Ideal for co-generation



DRIVES

MillMax[®] is suited for any drive (steam turbine, electric or hydraulic motor). For more energy savings 3 electric drives per MillMax[®] are recommended.

Configuration (boiler @ 60 bar)	Energy savings (%)
5 conventional mills + turbine	0
5 conventional mills + 1 electric drive/mill	26
5 MillMax [®] + 1 electric drive/MillMax [®]	50
5 MillMax [®] + 3 electric drives/MillMax [®]	53

Name	Width		Pressure roller external diameter		Capacity (tph) at 15% fiber for tandem application
	(mm)	(inches)	Pitch 40 (mm)	Pitch 50 (mm)	
MillMax [®] 60	1,524	60	930	-	180
MillMax [®] 66	1,700	66	930	-	205
MillMax [®] 72	1,800	72	960	-	230
MillMax [®] 78	1,980	78	960	-	255
MillMax [®] 84	2,134	84	1,140	1,160	395
MillMax [®] 90	2,300	90	1,220	1,240	490
MillMax [®] 96	2,450	96	1,310	1,330	605
MillMax [®] 102	2,600	102	1,370	1,390	705

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