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Merdaneli kırıcı malzemeleri sıkıştırma ve ezme prensibiyle çalışır. Malzeme merdane çiftleri arasından geçirilir ve bu merdaneler arasındaki basınç, malzemenin parçalanmasına neden olur. Malzemenin homojen bir şekilde öğütülmesi veya özel testler için belirli özelliklere sahip parçacık boyutları elde etmek için kullanılır. Bu makine, malzeme analizi, araştırma ve kalite kontrol gibi uygulamalarda önemli bir rol oynar.

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Roller crusher works on the principle of compressing and crushing materials. The material is passed between pairs of rolls and the pressure between these rolls causes the material to crumble. It is used for homogeneous grinding of material or to obtain particle sizes with specific characteristics for special tests. This machine plays an important role in applications such as material analysis, research and quality control.



TEKNİK ÖZELLİKLER TECHNICAL SPECIFICATIONS

Merdaneler Arası Mesafe / <i>Distance Between Rollers</i>	0 - 20 mm
Ürün Besleme Boyutu / <i>Feeding Size</i>	< 30 mm
Ürün Çıkış İnceliği / <i>Final Fineness</i>	< 500 µm*
Kırma Kapasitesi / <i>Crushing Capacity</i>	< 500 - 2500 Kg/h*
Elektrik Motoru / <i>Electrical Motor</i>	4 HP, 1400 rpm, 380 V, 3p, 50 Hz
*Malzeme cinsine, besleme boyutuna, kırma oranı ve neme bağlı olarak değişkenlik gösterebilir *Depending on the material, crushing ratio, humidity, etc.	

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Uygulama Örnekleri: Alaşımlar, bazalt, çimento klinkeri, seramikler, şamut, kömür, inşaat malzemeleri, feldspat, cam ve muhtelif malzemeler...

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Application Examples: Alloys, basalt, cement clinker, ceramics, chamotte, coal, construction materials, feldspar, glass and various materials...



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ROLLER CRUSHER

About This Performance Data

This sheet shows how well our machines work. You'll see numbers for how much they can handle, how fast they work, and the size of the stuff they make. It's all about helping you use our machines the best way.

Sample	CALCITE (DRY)
Grain Size	16mm
Gap Size	4 mm
Capacity	1500 kg/hour
Result	86.62% below 5 mm

Fraction (mm)	Weight (kg)	% Weight	Cumulative % Retained	Cumulative % Passing
+5 mm	136.3	13.38	13.38	100
-5 to +1 mm	566.6	55.61	68.99	86.62
-1 to +0.5 mm	109.4	10.74	79.73	31.01
-0.5 mm	206.5	20.27	100.00	20.27
TOTAL	1018.8	100	-	-

Sample	CALCITE (WET)
Grain Size	16mm
Gap Size	4 mm
Capacity	1000 kg/hour
Result	79.05% below 5 mm

Fraction (mm)	Weight (kg)	% Weight	Cumulative % Retained	Cumulative % Passing
+5 mm	201.2	20.95	20.95	100.00
-5 to +1 mm	562.4	58.57	79.52	79.05
-1 to +0.5 mm	61.1	6.36	85.88	20.48
-0.5 mm	135.6	14.12	100.00	14.12
TOTAL	960.3	100	-	-

Sample	CALCITE (DRY)
Grain Size	8 mm
Gap Size	4 mm
Capacity	2500 kg/hour
Result	87.77% below 5 mm

Fraction (mm)	Weight (kg)	% Weight	Cumulative % Retained	Cumulative % Passing
+5 mm	122	12.23	12.23	100.00
-5 to +1 mm	669.7	67.12	79.34	87.77
-1 to +0.5 mm	69	6.92	86.26	20.66
-0.5 mm	137.1	13.74	100.00	13.74
TOTAL	997.8	100	-	-

Sample	CALCITE (DRY)
Grain Size	8 mm
Gap Size	3 mm
Capacity	1500 kg/hour
Result	98.80% below 5 mm

Fraction (mm)	Weight (kg)	% Weight	Cumulative % Retained	Cumulative % Passing
+5 mm	12	1.20	1.20	100.00
-5 to +1 mm	589.6	59.13	60.33	98.80
-1 to +0.5 mm	134	13.44	73.77	39.67
-0.5 mm	261.5	26.23	100.00	26.23
TOTAL	997.1	100	-	-

Sample	CALCITE (WET)
Grain Size	8 mm
Gap Size	3 mm
Capacity	1000 kg/hour
Result	95.93% below 5 mm

Fraction (mm)	Weight (kg)	% Weight	Cumulative % Retained	Cumulative % Passing
+5 mm	38	4.07	4.07	100.00
-5 to +1 mm	606.9	64.96	69.02	95.93
-1 to +0.5 mm	89	9.53	78.55	30.98
-0.5 mm	200.4	21.45	100.00	21.45
TOTAL	934.3	100	-	-