



URSCHTEL®

IMPELLER
SPEED
IN RPM'S

CENTRIFUGAL*
FORCE
IN G'S

3600

1105

4140

1461

5175

2283

*Pressure of the product against the knives is the weight of each piece of product multiplied by the number of G's.

† Specific to the Model 9300.

1 Micron = 1μ = 0.001 mm

SIEVE OPENING

Micron	Inch
1	.00004
2.5	.0001
5	.0002
10	.0004
20	.0008
37	.0014
43	.0017
44	.0017
53	.0021
61	.0024
62	.0024
74	.0029
88	.0035
89	.0035
104	.0041
105	.0041
124	.0049
125	.0049
147	.0058
149	.0059
175	.0069
177	.0070
208	.0082
210	.0083
246	.0097
250	.0098
295	.0116
297	.0117
350	.0138
351	.0138
417	.0164
420	.0165
495	.0195
500	.0197
589	.0232
590	.0232
701	.0276
710	.0280
833	.0328
840	.0331
991	.0390
1000	.0394
1168	.0460
1190	.0469
1397	.0550
1410	.0555
1651	.0650
1680	.0661
1981	.0780
2000	.0787
2360	.0937
2794	.110
2800	.111
3327	.131
3350	.132
3962	.156
4000	.157

PARTICLE SIZE CONVERTER

**Designers and
Manufacturers
of Precision
Size Reduction
Equipment
Since 1910.**

MESH PER INCH

U.S. Std.

Tyler

50

-

**Comitrol®
Processor for
Controlled
Particle Size
Reduction:**

- Precision
- Versatility
- High Capacity

URSCHTEL LABORATORIES, INC.

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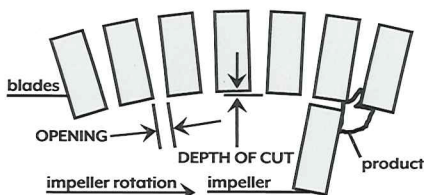
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MICROCUT HEAD SPECIFICATIONS



COMITROL® PROCESSOR MODELS 1500 & 1700

MICROCUT HEAD	DEPTH OF CUT	OPENING
050 156	.0237" (0.602 mm)	.2214" (5.624 mm)
050 156-10	.0886" (2.250 mm)	.2198" (5.583 mm)
070 156	.0121" (0.307 mm)	.1137" (2.888 mm)
080 156	.0093" (0.236 mm)	.0800" (2.032 mm)
090 156	.0073" (0.185 mm)	.0538" (1.367 mm)
100 156	.0059" (0.150 mm)	.0328" (0.833 mm)
120 084	.0041" (0.104 mm)	.0732" (1.860 mm)
120 084-10	.0313" (0.795 mm)	.0715" (1.816 mm)
130 084-10	.0286" (0.726 mm)	.0595" (1.511 mm)
140 084	.0030" (0.076 mm)	.0508" (1.290 mm)
140 084-10	.0264" (0.671 mm)	.0492" (1.250 mm)
150 084-10	.0244" (0.620 mm)	.0403" (1.024 mm)
160 084	.0023" (0.058 mm)	.0339" (0.861 mm)
160 084-1	.0044" (0.112 mm)	.0339" (0.861 mm)
160 084-2	.0064" (0.163 mm)	.0339" (0.861 mm)
160 084-5	.0126" (0.320 mm)	.0337" (0.856 mm)
165 084-2	.0062" (0.158 mm)	.0303" (0.770 mm)
170 084-1	.0040" (0.102 mm)	.0270" (0.686 mm)
170 084-2	.0059" (0.150 mm)	.0270" (0.686 mm)
170 084-5	.0117" (0.297 mm)	.0267" (0.678 mm)
180 084	.0018" (0.046 mm)	.0208" (0.528 mm)
180 084-1	.0037" (0.094 mm)	.0208" (0.528 mm)
180 084-2	.0055" (0.140 mm)	.0208" (0.528 mm)
180 084-5	.0110" (0.279 mm)	.0205" (0.523 mm)
180 084-10	.0200" (0.508 mm)	.0195" (0.495 mm)
190 084	.0016" (0.041 mm)	.0153" (0.389 mm)
190 084-1	.0034" (0.086 mm)	.0153" (0.389 mm)
190 084-2	.0051" (0.130 mm)	.0153" (0.389 mm)
190 084-5	.0103" (0.262 mm)	.0151" (0.384 mm)
195 084-1	.0032" (0.081 mm)	.0128" (0.325 mm)
200 084	.0015" (0.038 mm)	.0103" (0.262 mm)
200 084-1	.0031" (0.079 mm)	.0103" (0.262 mm)
200 084-2	.0048" (0.122 mm)	.0103" (0.262 mm)
203 084	.0014" (0.036 mm)	.0089" (0.226 mm)
206 084	.0014" (0.036 mm)	.0076" (0.193 mm)
206 084-1	.0030" (0.076 mm)	.0076" (0.193 mm)
210 084	.0013" (0.033 mm)	.0058" (0.147 mm)
212 084	.0013" (0.033 mm)	.0050" (0.127 mm)
212 084-1	.0029" (0.074 mm)	.0050" (0.127 mm)
216 084	.0013" (0.033 mm)	.0033" (0.084 mm)
216 084-1	.0028" (0.071 mm)	.0033" (0.084 mm)
218 084	.0012" (0.030 mm)	.0025" (0.064 mm)
220 084	.0012" (0.030 mm)	.0018" (0.046 mm)
222 084	.0012" (0.030 mm)	.0010" (0.025 mm)

COMITROL® PROCESSOR MODEL 9300

160156-5	.025" (0.638 mm)	.0792" (2.012 mm)
172156-10	.0420" (1.067 mm)	.0606" (1.539 mm)
180156-5	.0219" (.556 mm)	.0530" (1.346 mm)
190156-5	.0206" (.523 mm)	.0420" (1.067 mm)
190156-(-.25)	.0024" (.061 mm)	.0425" (1.080 mm)
190156-1	.0067" (.017 mm)	.0425" (1.080 mm)
200156-1	.0062" (.016 mm)	.0326" (.828 mm)
206156-(-.25)	.0020" (.051 mm)	.0270" (.686 mm)
212156-(-.25)	.0019" (.048 mm)	.0219" (.556 mm)
218156-(-.25)	.0017" (.043 mm)	.0170" (.432 mm)
220156-1	.0054" (.137 mm)	.0154" (.391 mm)
222156-(-.25)	.0017" (.043 mm)	.0138" (.351 mm)
224156-(-.74)	.0002" (.005 mm)	.0123" (.312 mm)
225156-1	.0053" (.135 mm)	.0116" (.295 mm)
226156-(-.25)	.0016" (.041 mm)	.0108" (.274 mm)
230156-(-.74)	.0001" (.003 mm)	.0079" (.201 mm)
230156-1	.0051" (.130 mm)	.0080" (.203 mm)
234156-(-.25)	.0015" (.038 mm)	.0051" (.130 mm)
238156-(-.25)	.0014" (.036 mm)	.0024" (.061 mm)
238156-1	.0049" (.124 mm)	.0025" (.064 mm)
240156-(-.25)	.0014" (.036 mm)	.0011" (.028 mm)
241156-(-.25)	.0014" (.036 mm)	.0005" (.013 mm)