

# Grafitec International Inc.

## QCH Screen Specifications

## Technical Data Sheet D15/1

Several models of RK Print equipment can be supplied with engraved rollers having a QCH screen. This special screen, originally developed and patented in the U.S.A., has its cells linked by channels and is claimed to offer numerous advantages (including easier cleaning) when compared with the more conventional pyramidal or quadrilateral cells.

Standard-sized screens are indicated in boldface in the table below. Other sizes can be made to order at an additional cost.

IMPERIAL			Tool Reference (imperial or metric)	METRIC		
Volume* cbm/in <sup>2</sup>	Cell Count per linear inch	Depth inches		Depth $\mu$	Cell Count per linear cm	Volume cm <sup>3</sup> /m <sup>2</sup>
<b>2.8</b>	<b>400</b>	<b>.0007</b>	<b>5</b>	<b>18</b>	<b>157</b>	<b>4.3</b>
3.1	300	.0008	32	20	118	4.8
3.2	360	.0009	4	23	142	5
3.3.	300	.001	3	25	118	5.1
3.9	300	.001	40	25	118	6
4.0	220	.0009	24	23	87	6.2
4.2	260	.001	41	25	102	6.5
4.4.	200	.0011	2	28	79	6.8
4.6	360	.0007	37	18	142	7.1
4.6.	200	.0011	1	28	79	7.1
5.8	360	.0012	30	30	142	9
6.4	165	.0016	28	41	65	9.9
6.4	220	.0013	13	33	87	9.9
<b>6.6</b>	<b>200</b>	<b>.0013</b>	<b>12</b>	<b>33</b>	<b>79</b>	<b>10.2</b>
7.2	200	.0014	38	36	79	11.2
7.8	200	.0015	35	38	79	12.1
8.0	165	.0017	11	43	65	12.4
8.8	200	.0018	36	46	79	13.6
10.2	140	.0021	26	53	55	15.8
<b>10.7</b>	<b>180</b>	<b>.0018</b>	<b>14</b>	<b>46</b>	<b>71</b>	<b>16.6</b>
11.4	165	.002	25	51	65	17.7
12.0	150	.0025	15	64	59	18.6
12.7	140	.0024	33	61	55	19.7
<b>13.0</b>	<b>140</b>	<b>.0026</b>	<b>10</b>	<b>66</b>	<b>55</b>	<b>20.2</b>
14.7	130	.0031	16	79	51	22.8
16.5	120	.0031	9	79	47	25.6
18.3	125	.0035	29	89	49	28.4
21.1	110	.004	17	102	43	32.7
23.0	105	.0045	23	114	41	35.7
24.7	80	.0044	22	112	31	38.3
<b>25.2</b>	<b>100</b>	<b>.0051</b>	<b>18</b>	<b>130</b>	<b>39</b>	<b>39.1</b>
26.5	120	.0041	7	104	47	41.1
29.1	85	.0053	19	135	33	45.1
30.1	75	.0049	20	124	30	46.7
32.3	55	.0064	21	163	22	50.1
35.5	60	.0051	6	130	24	55
45.6	35	.0089	31	226	14	70.7
76.4	25	.0128	34	325	10	118.4

\*cbm/in<sup>2</sup> = cubic billion microns per square inch = cu.mm/in<sup>2</sup>