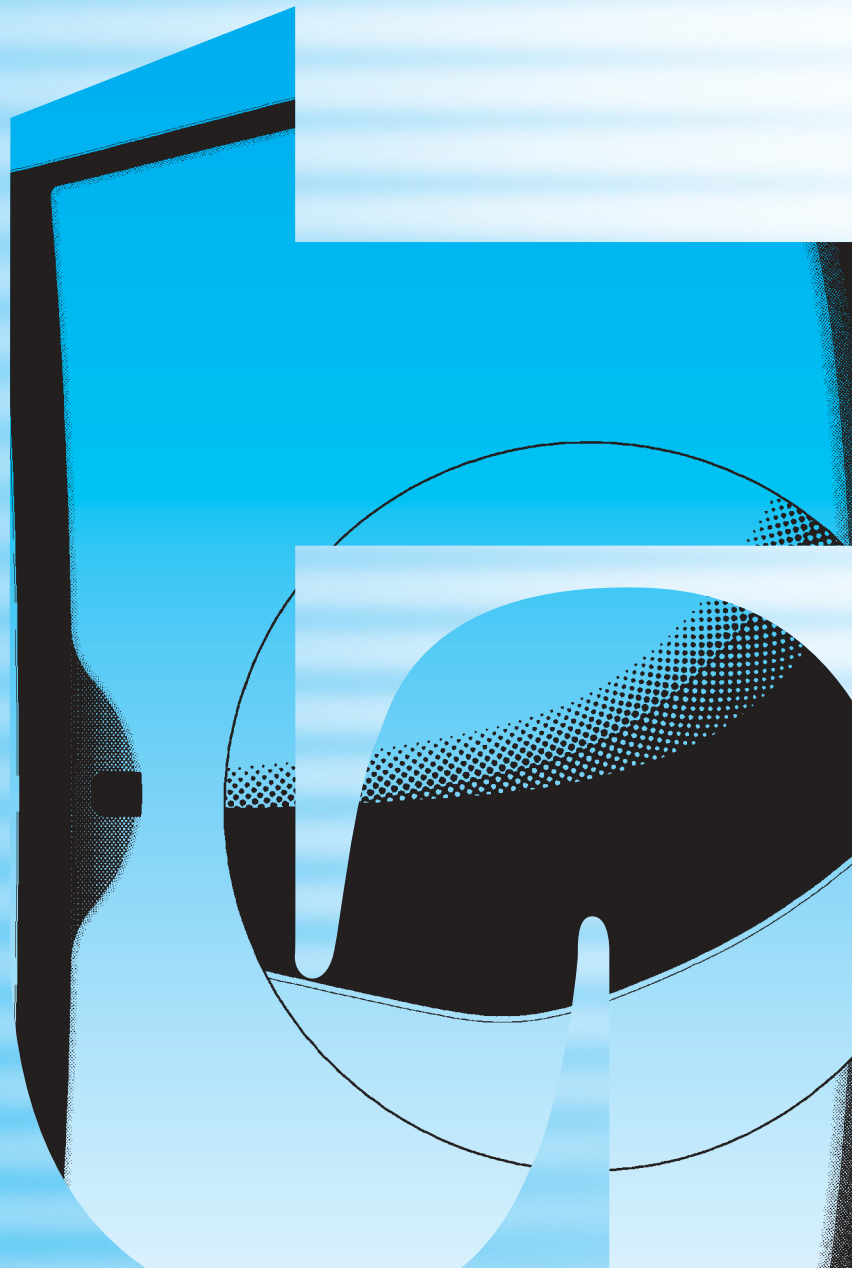
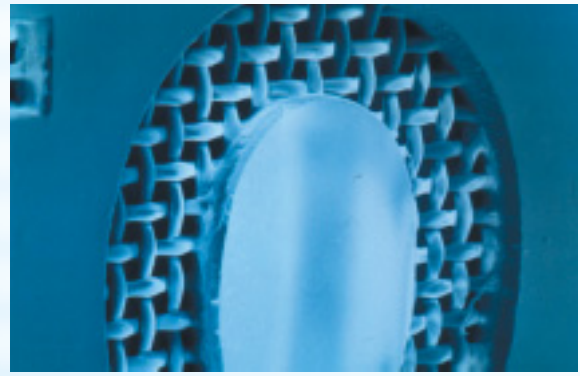


**SCREENS
& STENCILS
FOR INDUSTRIAL
SCREENPRINTING**



Screens & stencils for industrial screenprinting



STV – Serigrafia Tecnica Vaiarelli – is a single brand that unites the production power of several specialized manufacturers of films and press-ready screens for the glass and electronics industries.

Through the amalgamated experience of its screen makers, STV performs a leading international role in the supply of screens for industrial applications.

STV today is the benchmark supplier of superior-quality products to the European market.

Stretching

The skill and experience of our personnel enables us to give our customers unrivalled support in choosing which type of frame (box-section aluminium, cast aluminium, iron, stainless steel, wood or composites) and which profile are best suited to the job, eliminating the risk of deformation in the finished screen. We then select the most appropriate mesh for the given application and, for each screen, create a technical file which guarantees the consistency and repeatability of the procedure.

Photographic equipment

A sample, technical drawing or CAD data, in any of the commonly used formats, is our starting point. The subsequent stages of computer elaboration and the plotting of films are performed entirely in our own facilities.

Our equipment currently includes eight CAD stations in both PC and Apple Mac environments, a Barco Graphics photoplotter, an ECRM imagesetter and various other image-handling devices for the production of high-definition films (at up to 8000dpi) in formats as large as 3000 x 1500mm on a single sheet.



Technical Specifications of Saatilene Hitech Mesh

Mesh count		Weave	Nominal Thread Diameter	Mesh Opening	Open Area	Fabric Thickness	Theoretical Ink Volume	Specific Fabric Section	Maximum Recommended Tension
cm	inch		μ	μ	%	μ	cm ³ /m ²	mm ² /cm	N/cm
49	125	PW	80	120	35	132	46	0.246	37-40
51	129	PW	70	120	38	118	45	0.196	30-35
51	129	PW	80	110	31	129	40	0.296	37-40
55	140	PW	64	120	41	105	43	0.176	26-31
55	140	PW	70	105	33	114	38	0.211	30-34
55	140	PW	80	95	27	140	38	0.276	40-45
62	158	PW	64	90	32	106	34	0.199	30-34
62	158	PW	70	80	24	121	29	0.238	35-37
67	170	PW	70	70	21	117	25	0.258	37-40
68	173	PW	55	89	36	89	32	0.161	25-30
68	173	PW	70	65	20	120	24	0.261	38-42
71	180	PW	55	80	33	91	30	0.168	25-30
73	185	PW	55	75	29	92	27	0.173	28-32
73	185	TW	64	68	24	115	28	0.235	32-35
77	196	PW	48	78	36	80	29	0.139	24-26
77	196	PW	55	70	28	90	25	0.182	27-32
77	196	PW	64	64	24	115	28	0.247	32-35
77	196	TW	80	45	12	175	21	0.386	35-40
90	230	PW	40	68	38	62	24	0.113	20-24
90	230	PW	48	55	27	81	22	0.162	27-29
95	241	PW	40	65	37	65	24	0.119	22-24
100	255	PW	40	55	31	64	20	0.125	26-28
100	255	PW	48	40	16	81	13	0.181	30-34
100	255	TW	48	45	20	87	17	0.181	30-34
100	255	TW	64	35	12	115	14	0.321	35-40
110	280	PW	34	53	35	56	20	0.099	22-24
110	280	PW	40	47	26	69	18	0.138	25-30
120	305	PW	31	53	40	48	19	0.090	21-24
120	305	PW	34	45	29	54	16	0.108	24-26
120	305	TW	34	47	31	64	20	0.108	24-26
120	305	PW	40	38	20	67	13	0.150	27-32
120	305	TW	40	41	23	70	16	0.150	27-32
130	330	PW	34	39	26	55	14	0.118	24-27
130	330	TW	34	41	28	60	17	0.118	24-27
130	330	PW	40	25	11	63	7	0.163	27-32
140	355	PW	27	43	36	42	15	0.080	16-18
140	355	PW	31	38	28	48	13	0.105	20-22
140	355	TW	31	42	34	54	19	0.105	20-22
140	355	PW	34	29	16	56	9	0.127	23-26
140	355	TW	34	32	20	60	12	0.127	23-26
140	355	TW	40	27	14	70	10	0.175	28-32
150	380	PW	27	35	27	44	12	0.085	17-20
150	380	PW	31	29	20	49	10	0.113	22-24
150	380	TW	31	34	27	55	15	0.113	22-24
150	380	PW	34	25	13	56	7	0.136	25-27
150	380	TW	34	28	17	61	10	0.136	25-27
165	420	PW	27	30	25	46	12	0.094	17-21
165	420	PW	31	25	17	49	8	0.125	24-26
165	420	TW	31	30	24	60	14	0.125	24-26
165	420	TW	34	25	16	66	10.5	0.149	24-28
180	460	PW	27	25	20	43	8	0.103	18-22
180	460	TW	31	23	17	56	9.5	0.136	23-27
200	508	TW	31	18	13	60	8	0.151	23-27

PW: Plain Weave (1:1) - TW: Twill Weave (1:2 - 2:2)



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