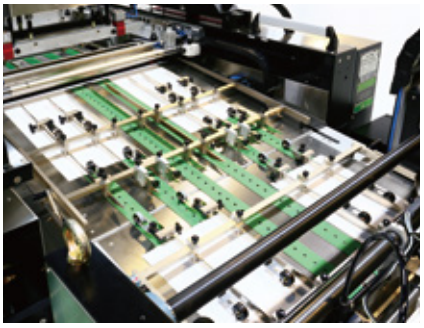
EP/t twin-flow Rear Pick-up Feeder
with twin feeder heads

FP/t twin-flow Front Pick-up Feeder

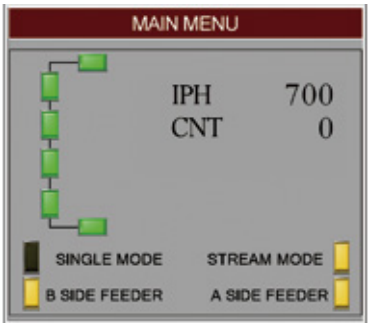


twin sheet flows on vacuum belt table

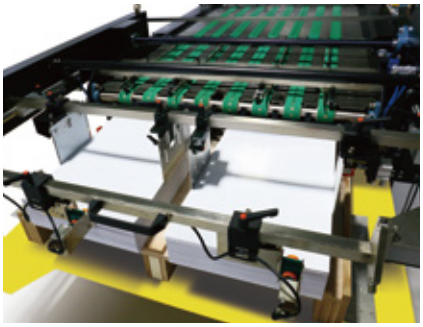
twin-flow in entire line

Reject Sheet
Selector

twin-flow in register



twin-flow sheet monitoring control on
Press HMI



AS/t twin-flow Stacker handling twin stacking

www.RHSolutionsLLC.com sales@rhsolutionsllc.com ph: 800.314.1622 4295 Armstrong Blvd, Ste 1 Batavia, Ohio 45103

SPS® twin-flow line component machines

Feeder, twin-flow version (single-flow applicable)

Standard ■ Option ○

	EP57/t	FP57/t	EP71/t	FP57/t
SPS® FVR EP/t Twin-flow Rear Pick-up Feeder - offset type pick-up head for independent sheet seperation, pick-up, stream/single-sheet forwarding, skew correction	■	--	■	--
SPS® FVF FP/t Twin-flow Front Pick-up Feeder - for sheet seperation, pick-up, single-sheet forwarding (servo-controlled high speed forwarding ~ slow-down to position)	--	■	--	■
portal design, for ease of pile arrangement	■	■	■	■
heavy-duty steel skid board, for direct loading of pile on pellet with trolley	■	■	■	■
true size scales for format adjustments	■	■	■	■
compressed air nozzles for enhanced sheet separation from pile	■	■	■	■
feed-in trigger roller and double-sheet detection(linked to Press auto-stop control)	■	■	■	■
sheet cleaning device, integrated in the feeder belt table	○	○	○	○
anti-static basic: discharge electrodes on delivery	○	○	○	○
anti-static extension: orientable valves for ionized blast air, fitted at feeder pile corners	○	○	○	○
anti-static enhancement: for industrial applications on film substrates	○	○	○	○

Press, twin-flow version (single-flow applicable)

	XP57/t	SL71/t
SPS® VTS XP57/t Twin-flow High Speed STOP Cylinder Screen Printing Press (luxury class)	■	--
SPS® VTS SL71/t Twin-flow High Speed STOP Cylinder Screen Printing Press (luxury class)	--	■
Original SPS® STOP Cylinder Principle®	■	■
sheet alignment system for invariable dot-to-dot registration	■	■
vertical **4-post lift of top frame** with screen carrier and squeegee bridge	--	■
swivel-up squeegee bridge and screen carrier (wide opening for set-up, cleaning, in rest)	■	■
infeed table with adjustable vacuum & cradle roller for stable sheet forwarding to position	table with Feeder	■
opto-electronic sheet lay stop and pass detection: infeed, front & side lays, sheet delivery	■	■
left/right vacuum side guide positioning, externally accessible, pulling force adjustable	■	■
polished stainless-steel vacuum cylinder in micrometric precision, with blow-back	■	■
individually spring-loaded sheet grippers with ejectors in the cylinder	■	■
leveled-off protected gripper recess with minimum off-contact	■	■
quick screen-change function: unlock & pull-out / push-in & lock	--	■
screen carrier with pneumatic frame clamping, prepared for pre-registration	■	■
3-point screen adjustment, central B-side position, pneumatic lock-in	■	■
SPS® **PEH** squeegee unit with central pressure control and read-out	■	■
horizontal squeegee bridge adjustment ("top position")	■	■
pneumatic quick clamping of squeegee holder and flood coater profile	■	■
digital squeegee set-point control, gripper margin and active print path adjustable	■	■
motorized squeegee set-down with SPS® ***autoset*** height leveling	■	■
adjustable sheet deflector guides in the delivery section	■	■
sheet delivery with vacuum hold-down and solvent vapor extraction	■	■
drop-down delivery belt segment, independent drive (set-up & cleaning position)	■	■
touch-screen HMI with all main functions in central B side position, clear text indications	■	■
SPS® ***synchroline*** with motorized sheet delivery (with SPS® dryer: in auto-synchronized speed)	■	■
central grease lubrication with automatic level detection	■	■
stainless steel machine paneling; walk-ways on A and B sides	■	■
equipment for on-line service data transfer	■	■
anti-static basic: discharge electrodes on delivery	○	○
anti-static enhancement: for industrial applications on film substrates	○	○
anti-static extra: additional discharge electrode, mounted to squeegee bridge	○	○
SPS® ***C05*** squeegee blade system (RKS) with pneumatic holder, with angle adjustment	○	○
equipment package for low-viscosity media (drip/splash protection)	○	○
additional push mode on side guides, convertible	○	○
print length correction system (adjustment to fit)	○	○
enhanced GS safety package: light barriers with controlled overrun function	○	○
motorized screen adjustment: digital input externally	○	○

Stacker, twin-flow version (single-flow applicable)

	AS57/t	AS71/t
SPS® STK AS/t Automatic twin-flow Sheet Stacker	■	■
portal design, for ease of pile arrangement	■	■
heavy-duty steel skid board, for direct unloading of pile on pellet with trolley	■	■
true size scales for format adjustments	■	■
pulsed air-blow for accurate sheet arrival at pile	■	■
SPS® ***synchroline*** (with SPS® press: remote control)	○	○
anti-static basic: discharge electrodes at infeed	○	○
anti-static extension: orientable valves for ionized blast air, fitted at pile corners	○	○
color camera for stack supervision	○	○

SPS® twin-flow line component machines

Feeder, twin-flow version (single-flow applicable)	**SPS® FVR EP57/t** (rear pick-up)	**SPS® FVF FP57/t** (front pick-up)	**SPS® FVR EP71/t** (rear pick-up)	**SPS® FVF FP71/t** (front pick-up)
Press, twin-flow version (single-flow applicable)	**SPS® VTS XP57/t**		**SPS® VTS SL71/t**	
Stacker, twin-flow version (single-flow applicable)	**SPS® STK AS57/t**		**SPS® STK AS71/t**	

TECHNICAL	**DATA**				
Max. sheet size					
twin-flow, standard[1]	mm * mm	550 * 267 [1] (x2)		520 * 500 (x2)	
l * w	in. * in.	22 * 10.5 (x2)		20.5 * 20 (x2)	
single-flow, standard[1]					
l * w	mm * mm	550 * 750 [1] (x1)		750 * 1060 (x1)	
	in. * in.	22 * 30 (x1)		19 * 41 (x1)	
Min. sheet size					
twin-flow	mm * mm	297 * 175 (x2)		300 * 400 (x2)	
l * w	in. * in.	11.7 * 6.9 (x2)		11.8 * 15.7 (x2)	
single-flow	mm * mm	280 * 300 (x1)		300 * 420 (x1)	
l * w	in. * in.	11 * 12 (x1)		11.8 * 14 (x1)	
Cycle speed					
max.	1/hr	4500	2800	4000	2500
O/D dimension					
Feeder		**EP57/t**	**FP57/t**	**EP71/t**	**FP71/t**
Length	mm / ft. in.	1380 / 3' 7"	1380 / 3' 7"	1650 / 5' 5"	1650 / 5' 5"
Width [2]	mm / ft. in.	1380 / 3' 7"	1680 / 5' 6"	1650 / 5' 5"	1950 / 6' 5"
Press [3]	mm / ft. in.	1490 / 4' 11"	1220 / 4'	1580 / 5' 2"	1290 / 4' 3"
Press		**XP57/t**		**SL71/t**	
Length	mm / ft. in.	2150 / 7' 1"		2690 / 8' 10"	
Width [2]	mm / ft. in.	1860 / 6' 1"		2160 / 7' 1"	
Press [3]	mm / ft. in.	1890 / 6' 2"		1930 / 6' 4"	
Stacker		**AS57/t**		**AS71/t**	
Length	mm / ft. in.	1590 / 5' 3"		2020 / 6' 8"	
Width [2]	mm / ft. in.	1740 / 5' 9"		1980 / 6' 6"	
Press [3]	mm / ft. in.	1150 / 3' 10"		1170 / 3' 10"	

[1] when with standard O/D size 960 * 960 mm (38" * 38")
if with smaller screen size 880 * 880 mm (34.5" * 34.5"), reduced to: twin-flow 520 * 345 mm (20.5" * 13.5") (x2); single-flow 520 * 710 mm (20.5" * 28") (x1)
possible to enlarge width: twin-flow 550 * 385 mm (22" * 15") (x2); single-flow 550 * 800 mm (22" * 31.5") (x1), in so larger 960 * 1000 mm (38" * 39.5") screen is used

[2] + platforms on A / B sides

[3] in basic working position

All specifications given in this brochure are subject to possible alteration.

ATMA CHAMP ENT. CORP.

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www.RHSolutionsLLC.com sales@rhsolutionsllc.com ph: 800.314.1622 4295 Armstrong Blvd, Ste 1 Batavia, Ohio 45103