Your partner for printing quality

Walz
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SCHENK Textile Screen Printing Machines
Production and Marketing by Heinz Walz GmbH

The brand name SCHENK has always been associated to textile printing machines. In the 70's, SCHENK revolutionised the screen printing industry by introducing on the market the first carrousel screenprinting machine.
Since, this type of machine has been widely adopted by most screen printers. This concept has also inspired a multitude of other manufacturers. The success of SCHENK is mainly due to its constant innovation to fulfill the needs of an ever demanding industry.

The Head Offices of the company Heinz Walz GmbH are based in Pfullingen, near Stuttgart, 30 minutes from the city's international airport. There, machines are manufactured and exported all over the world.
Our range of equipment is not limited to screen printing carrousel. We offer also all accessories related to screenprinting: flash cure and tunnel driers are part of the package offered to our customer.
We specialise also in single and multicolour flock devices and in embroidery machines.

Our flexibility to adapt our machine to our customer needs, the wide range of products available and our excellent service, make us the ideal partner whatever our customer is producing: advertising, fashion, decoration, industrial application. The printing process is not only limited to textile. Metal, cardboard, paper, plastics and leather can also be printed and / or flocked.

SCHENK*Spider* – a clockwork.

Up to 12 colours!

Field of application:

T-shirts, bags, cut pieces, socks etc.

Features *Spider* screen printing machine

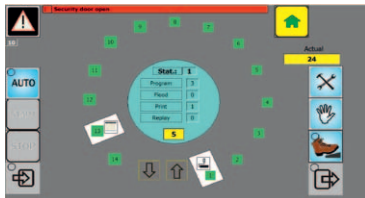|	
Stations	6 / 8 / 10 / 12 / 14
Colours	Up to 12 colours maximum
Print area	Single index – machine up to 12 stations: 450 x 500 mm (17.70" x 19.68")
	Single index – machine up to 14 stations: 400 x 450 mm (15.74" x 17.71")
	Double index – machine up to 12 stations: 1000 x 500 mm (39.37" x 19.68")
	Double index – machine up to 14 stations: 800 x 450 mm (31.49" x 17.71")
Registration	± 0,025 mm
Pallets	Aluminium sandwich pallet to avoid heat storage and to enable a fast and precise rotation movement. One hand operation, easy to mount through a central holding screw.
Max sizes	Frontal loading: 500 x 1000 mm (19.68" x 39.37")
	Lateral loading: 640 x 850 mm (25.19" x 33.46")
	Lateral loading double index: 1.200 x 850 mm (47.24" x 33.46")
	Custom made, any size and shape possible
Frame holder	Four points screen off contact mechanical adjustment and automatic central off contact of 0 to 5 mm in 0.5 mm increments.
	Pneumatic screen clamping system to hold screen frames up to 40 x 40 mm (1.57" x 1.57"). Also suitable for roller frames without clamp adapter.
	Fine adjustment for accurate screen positioning.
Max. sizes	Frontal loading: 600 x 1000 mm (23.6" x 39.37")
	Lateral loading: 640 x 950 mm (25.20" x 37.40")
	Lateral loading double index: 1.200 x 950 mm (47.24" x 37.40")
Squeegees	electrically driven squeegee
	Independent print/ flood speed control on each head
	Independent squeegee print/ flood pressure adjustment with air pressure gauge
	Independent squeegee print/ flood angle setting
	Stroke length is adjustable to maximise print speed
Printing station	Swivelling printing arm for easy access to the screen and possibility to insert a flash cure in any printing station.
	Through a membrane keypad on each station possibility to activate all functions: rotation right/ left/ half index. Lift up and down. Squeegee back and forth, up and down. Lock/ unlock frame.
Control centre	Touch screen control panel offers an easy navigation in more than 12 languages.
	Six independent printing programs available, of which two allowing to leave the screen flooded after each print, particularly useful for water based inks.
	Each station can be individually configured with any of the available programs up to nine strokes.
	Load and unload program enables to start and stop the print stations in proper sequence when starting or finishing the printing process.
	Printing automatic or through a foot pedal, one impulse, one print.
	Production monitoring: actual print, total print. Average production per hour
Rotation	Electric, servo driven
	Bi-directional
	Single index, double index and half index function
	Free wheel capability
Lift	electric servo driven
	Servo driven offers the ability to set an automatic off Contact, adjustable through the control panel.
	Off contact of 0 to 5 mm (0.20") adjustable in 0.5 mm increments.
Electrical requirement	400 V, 50 cycles, 10.2 kW/16 Amp maximum
Air requirement	Per print station: 8 bar, 3 m^3/h

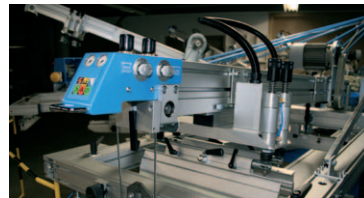* Any changes of technical data reserved

SCHENK*VARIprint 2002 EX* – an approved method

Quality and high-tech have a name: **SCHENK*VARIprint***. Since two decades, worldwide, our customers emphasise the durability, productivity and flexibility of our printing machines. We are proud of our achievement and it is our obligation to keep up with our quality standard. That is why our obligation is to offer better efficiency, reduced print tolerances, easy to use and flexible handling.

Easy navigation through a multi language **touch screen control panel**

Swivelling printing arm for easy access and better setting of the screen

Thanks to our ergonomically designed printing station the machine is extremely **user friendly**

Up to 18 colours!

Field of application:

T-shirts, bags, cut pieces, socks etc.

Optional:

Machine fitted with vacuum system for transfer print

* Any changes of technical data reserved

Features *VARIprint 2002 EX* Screen printing machine

Stations	10 / 12 / 14 / 16 / 18 / 20 / 22 / 24 / 26
Colours	Up to 18 colours maximum
Print area	Single index – machine up to 16 stations: 600 x 800 mm (23.6" x 31.49")
	Single index – machine up to 18 stations: 500 x 800 mm (19.68" x 31.49")
	Single Index: 20 to 26, 450 x 700 mm (18" x 28")
	Double index: 1.100 x 800 mm (43.30" x 31.49")
Registration	± 0,025mm
Pallets	Aluminium sandwich pallets to avoid heat storage and to enable a fast and precise rotation movement. Easy to mount through a central holding screw.
Maximum sizes	Lateral loading up to 18 stations: 620 x 1.000 mm (24.40" x 39.37")
	20 to 26 stations: 600 x 900 mm (24" x 35")
	Double index: 1.200 x 950 mm (42.24" x 37.40")
	Frontal loading up to 16 stations: 610 x 1.000 mm (24" x 39.37")
	Frontal loading 18 stations: 540 x 1.000 mm (21.25" x 39.37")
	Custom made, any size and shape possible
Frame holder	Four points screen off contact mechanical adjustment and automatic central off contact of 0 to 5mm in 0.5 mm increments.
	Pneumatic screen clamping system to hold screen frames up to 40 x 40 mm (1.57" x 1.57"). Also suitable for roller frames without clamp adapter.
	Fine adjustment for accurate screen positioning
Maximum sizes	Lateral loading up to 16 stations: 730 x 1.250 mm (28.74" x 49.21")
	Double index: 1.200 x 1.250 mm (47.24" x 49.21")
	Lateral loading 18 stations: 650 x 1.250 mm (25.59" x 49.21")
	Double index: 1.200 x 1.250 mm (47.24" x 49.21")
	Frontal loading up to 16 stations: 720 x 1.360 mm (28.34" x 53.54")
	Frontal loading 18 stations: 650 x 1.360 mm (25.59" x 53.54")
Squeegees	electrically driven squeegee
	Independent print/flood speed control on each head
	Independent squeegee print/flood pressure adjustment with air pressure gauge
	Independent squeegee print/flood angle setting
	Stroke length is adjustable to maximise print speed
Printing station	Swivelling printing arm for easy access to the screen, and possibility to insert a flash cure in any printing station.
	Through a membrane keypad on each station possibility to activate all functions: rotation right/left/half index. Lift up and down. Squeegee back and forth, up and down. Lock/unlock frame.
Control centre	Touch screen control panel offers an easy navigation in more than 12 languages.
	Six independent printing programs available. of which two allowing to leave the screen flooded after each print, particularly useful for water based inks.
	Each station can be individually and independently configured with any of the available programs and print/flood strokes set to up 9 strokes.
	Load and unload program enables to start and stop the print stations and proper sequence when starting o finishing the printing process.
	Printing automatic or through a foot pedal, one impulse, one print. Sample function.
	Production monitoring: actual print, total print. Average production per hour
Rotation	Electric, Servo driven
	Bi-directional
	Single index, double index and half index function
	Free wheel capability
Lift	Electric Servo driven
	Off Contact, adjustable through the control panel.
	Off contact of 0 to 5 mm (0.20") adjustable in 0,5mm increments.
Electrical requirement	400 V, 50 cycles, 12 kW/16 Amp maximum
Air requirement	per print station: 8 bar, 3 m³/h

SCHENK*VARIprint EASY* – screen printing machine – compact, versatile and build to last

VARI*print*

Ideal for combination
of print and flock

Stations	6/8/10/12/14
Colours	Up to 13 colours maximum
Print area	480 x 500 mm (18.69" x 19.68")
Registration	± 0,025 mm
Pallets	Aluminium sandwich pallet to avoid heat storage and to enable a fast and precise rotation movement. One hand operation, easy to mount through a central holding screw.
Max sizes	Frontal loading: 520 x 850 mm (20.47" x 33.46")
	Custom made, any size and shape possible
Frame holder	Mechanical height adjustment.
	Pneumatic screen clamping system to hold screen frames up to 40 x 40 mm (1.57" x 1.57") profile. Also suitable for roller frames without clamp adapter.
	Fine adjustment for accurate screen positioning (optional).
Max. sizes	Frontal loading: 600 x 800 mm (23.6" x 31.49")
Squeegees	Electrically driven squeegee
	Independent print/ flood speed control on each head
	Independent squeegee print/ flood pressure adjustment with air pressure gauge
	Independent squeegee print/ flood angle setting
	Stroke length is adjustable to maximise print speed
Printing station	Fixed printing arm
	Through a membrane keypad on each station possibility to activate all functions: rotation right/ left/ half index. Lift up and down. Squeegee back and forth, up and down. Lock/ unlock frame.
Control centre	easy navigation in more than 12 languages.
	independent printing programs available, of which two allowing to leave the screen flooded after each print, particularly useful for water based inks.
	Each station can be individually configured with any of the available programs up to nine strokes.
	Printing automatic or through a foot pedal, one impulse, one print. Sample function.
	Production monitoring: actual print, total print. Average production per hour
Rotation	Electric
	Single index, double index and half index function
	Free wheel capability
Lift	Pneumatic
Electrical requirement	400 V, 50 cycles, 5.5 kW/16 Amp maximum
Air requirement	8 bar, 10 m³/ hour approx. for pneumatic lift
	Per print station: 8 bar, 3 m³ / hour

* Any changes of technical data reserved

Up to 13 colours!

		EASY	SPIDER	V 2002 EX	V 2002 EX BIG
6 Max. colours 5	**Printing area in mm:** **Ø in mm:** Printig area in inches: Ø in ft:	**480 x 500 mm** **3140 mm** 19″ x 20″ 10.30′	**450 x 500 mm** **3500 mm** 18″ x 20″ 11.48′		
8 Max. colours 7	**Printing area in mm:** **Ø in mm:** Printig area in inches: Ø in ft:	**480 x 500 mm** **3560 mm** 19″ x 20″ 11.67′	**450 x 500 mm** **3860 mm** 18″ x 20″ 12.66′	**600 x 800 mm** **5300 mm** 23″ x 32″ 17.38′	
10 Max. colours 9	**Printing area in mm:** **Ø in mm:** Printig area in inches: Ø in ft:	**480 x 500 mm** **3990 mm** 19″ x 20″ 13.10′	**450 x 500 mm** **4360 mm** 18″ x 20″ 14.30′	**600 x 800 mm** **5300 mm** 23″ x 32″ 17.38′	**800 x 1100 mm** **6700 mm** 32″ x 43″ 21.98′
12 Max. colours 11	**Printing area in mm:** **Ø in mm:** Printig area in inches: Ø in ft:	**480 x 500 mm** **4390 mm** 19″ x 20″ 14.40′	**450 x 500 mm** **4705 mm** 18″ x 20″ 15.43′	**600 x 800 mm** **5760 mm** 23″ x 32″ 18.89′	**700 x 1000 mm** **6800 mm** 28″ x 39″ 22.30′
14 Max. colours 13	**Printing area in mm:** **Ø in mm:** Printig area in inches: Ø in ft:	**450 x 500 mm** **4690 mm** 18″ x 20″ 15.38′	**400 x 450 mm** **4705 mm** 16″ x 20″ 15.43′	**600 x 800 mm** **6230 mm** 23″ x 32″ 20.43′	**700 x 1000 mm** **6900 mm** 28″ x 39″ 22.63′
16 Max. colours 15	**Printing area in mm:** **Ø in mm:** Printig area in inches: Ø in ft:			**600 x 800 mm** **6700 mm** 23″ x 32″ 21.98′	
18 Max. colours 17	**Printing area in mm:** **Ø in mm:** Printig area in inches: Ø in ft:			**500 x 800 mm** **6700 mm** 20″ x 32″ 21.98′	
20 Max. colours 18	**Printing area in mm:** **Ø in mm:** Printig area in inches: Ø in ft:			**450 x 700 mm** **6700 mm** 18″ x 28″ 21.98′	
22 Max. colours 18	**Printing area in mm:** **Ø in mm:** Printig area in inches: Ø in ft:			**450 x 700 mm** **7230 mm** 18″ x 28″ 23.72′	
24 Max. colours 18	**Printing area in mm:** **Ø in mm:** Printig area in inches: Ø in ft:			**450 x 700 mm** **7620 mm** 18″ x 28″ 25′	
26 Max. colours 18	**Printing area in mm:** **Ø in mm:** Printig area in inches: Ø in ft:			**450 x 700 mm** **7880 mm** 18″ x 28″ 25.85′	

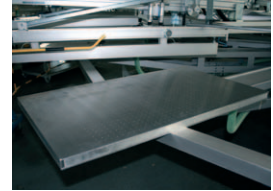## Pneumatic or electric printing station

- Frontal control on each station
- Pneumatic manometer displaying squeegee pressure settings
- Membrane keypad controlling lifting and rotation movement, squeegee and screen fixing
- Adjustable speed from 0 to 1 m/ sec, print and flood squeegee pressure and stroke length
- Optional: electrically driven squeegee

Vacuum pallets option

Upon request we can supply:
- Variprint 2002 EX with vacuum ability
- Adjustable vacuum to enable the application and removal of paper, foil or similar substrate.
- Printing area: 700 x 1.000 mm
- Available in up to twelve stations in variable print configuration
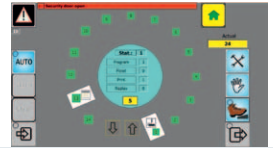- Possibility to fit vacuum or standard pallets

Squeegee system

- Squeegee width up to 1.100 mm
- Evenly pressure repartition on all the squeegee width
- Adjustable squeegee angle from 0° to 45°
- Fast and clean squeegee changing
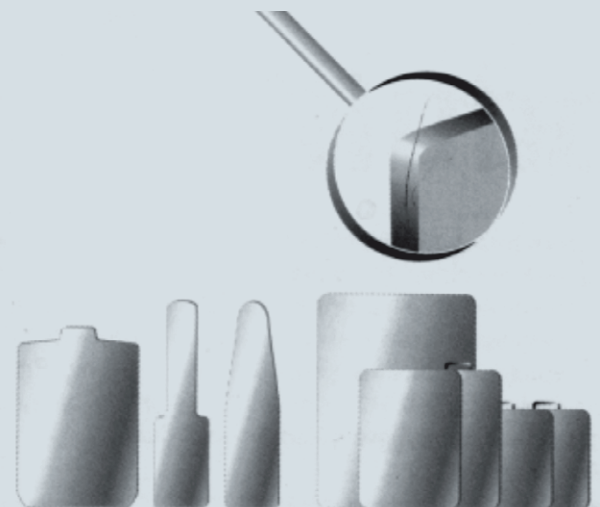- Distance between squeegee enables a bigger ink reserve reducing filling intervals

Control center

- Easy and clear multilingual navigation
- Display in plain language of status, warnings and errors
- Six different print programs
- Cleaning, samples, dryer, input/ output programs

Pallets

- Excellent efficiency thanks to the lightweight construction of the pallets, reducing heat storage and enabling a faster and precise rotation positioning.
- Wide range of palettes for T-shirts, sleeves, trousers, cut pieces, socks, bags, etc.
- Optional soft-top rubber.

SCHENK – Manual presses, manual and automatic flocking units

Our innovative and reliable technology enables you to easily print and flock on T-shirts, sweatshirts, cut pieces, sport articles, etc. Like all SCHENK products, our manual presses and flock equipment are of high quality and durability, enabling excellent results at an affordable price.

Manual flocking unit S 90-1

- ideal for manual flocking of surfaces and formed parts
- high voltage adjustable from 0 to 90 kV
- build in ground control
- applicators available in different sizes

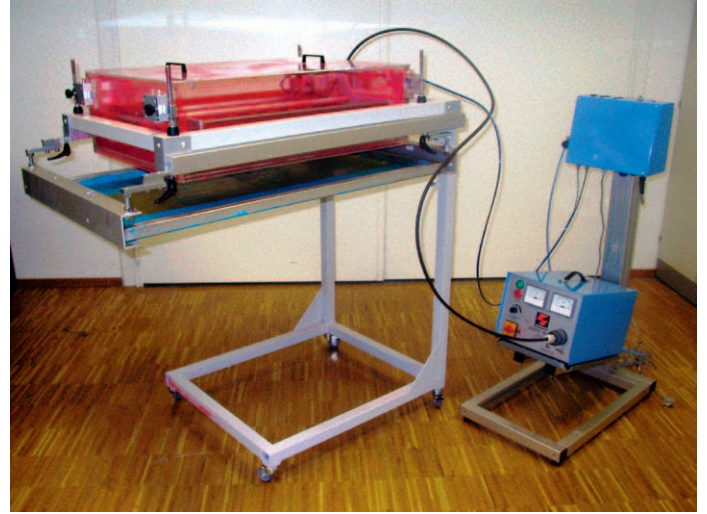## Manual flocking unit CCL Coater and Easy Coater

- ideal for newcomers
- for samples and small series
- high voltage adjustable from 30 to 70 kV
- applicators available in different sizes
- mains connection 230 V (50/60 Hz) or optional 115 V (50/60 Hz)

SCHENK – High quality

Mobile flocking station type SC with various flocking dimensions

- 600 x 800 mm
- 450 x 600 mm
- 330 x 400 mm
- for stand alone or in combination with our screen printing machines

Flocking table FT 1000 / 800

- ideal working place for flocking with our manual unit S 90-1
- to avoid dispersion of flock fibre in the working environment
- enables a perfect ground connection of the substrate increasing the quality of the flocking.

Flocking unit EPA-N

- electrostatic / pneumatic unit to flock preformed pieces, bodies and hollow spaces
- large flock fibre container
- adjustable air release
- equipped with S 90-1 high voltage generator, easy to remove for manual standard application

6 colours manual press KDM 6

- rotating pallets and screen holders
- easy handling
- high precision, fitted with micro-adjustment
- central and individual off contact adjustment

4 colours manual press (without photo)

- same function as the KDM 6
- fitted with four rotating pallets and four rotating screen holders

Cleaning unit R-TS

- for fast removal of remaining loose fibre from flocked textile
- without mechanical contact, the flock fibre is removed and sucked into a collecting bag

Textile dryer/fixing oven TRH with mobile carts

- electrically powered oven, horizontal air conduct for absolute constant temperature
- adjustable temperature up to 160° C
- automatic timer
- adjustable fan for fresh air input and exhaust

Heinz Walz GmbH   Manufacturer of Schenk screen-
printing and flocking machines

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