

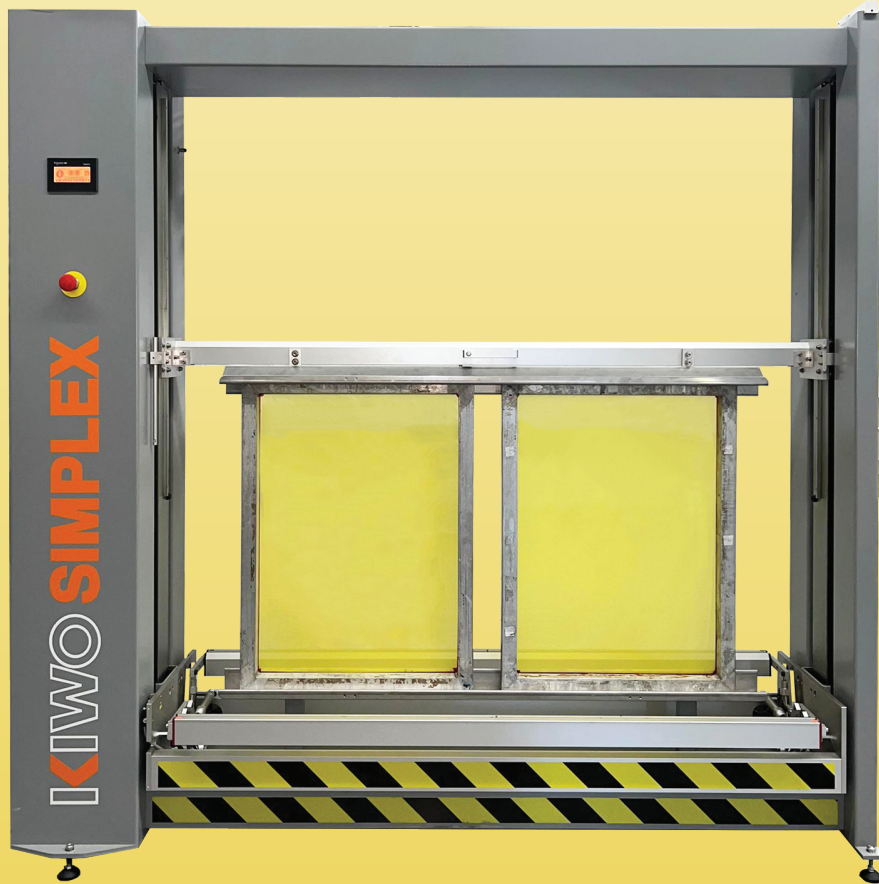
# Featured Products

## *Equipment*



# KIWO SIMPLEX

## AUTOMATIC COATING MACHINE

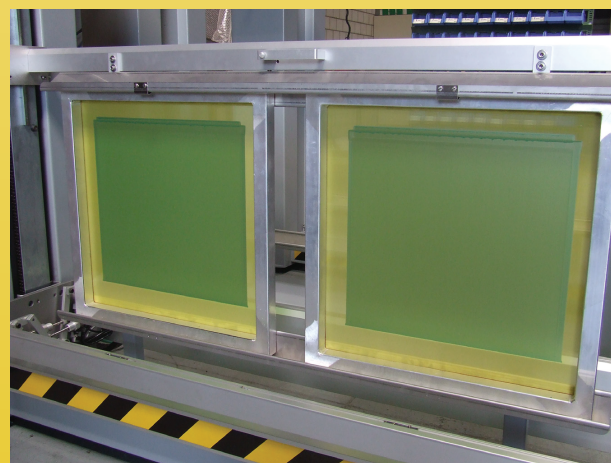


The KIWO SIMPLEX™ Screen Coating machine is specifically designed for textile and small graphic applications, providing superior performance at a budget price.

Manufactured by Grunig for KIWO it offers reliable coating results within close tolerances.



The KIWO Simplex is produced in small series production to optimize price / performance and ensure highest quality.



Suitable for coating one screen with a maximum single frame size of 53" X 53" (137 cm x 137 cm) outside dimensions or two screens with maximum single frame sizes of 25" X 53" (63 cm x 137 cm) outside dimensions. A Coating trough pin registration system that allows for 1-up or 2-up coating comes standard with each machine.

TECHNICAL SPECIFICATIONS:	
Drive System	Precision chain drive Variable speed motor
Frame Holder	Fully adjustable frame clamping accommodates frames within the maximum size and a maximum profile depth of 2.25 in. (57 mm).
Controls	Control panel with adjustments for coating trough pressure and separately adjustable number of coatings for both front and backside of the screen.
Air Requirements	Pneumatic equipment requires 90 psi, 7ft3/h dry, clean, filtered air for proper operation of the machine.
Electrical Requirements	Standard electrical 110 volts single phase, 10 –16 A.
Measurements (comes assembled)	W: 81"(2053 mm), H: 78"(1980 mm), D: 21" (523 mm)
Weight	500 Lbs / 230 Kg approx

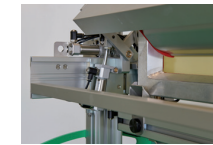
## G-COAT 406 Automatic coating machine

# GRÜNIG

The attractive solution for automatic double-sided screen coating



Control panel



Coating carriage



Upper screen holder



Lower screen holder

### The main features at a glance:

- Recently developed coating machine of extremely compact and low-maintenance construction type
- Single-Size device for screen formats of up to 700 x 1000 mm
- The PLUG & COAT system has been designed for trouble-free installation and commissioning: unwrap – set up – coat
- The machine has been constructed as a bench-top model; it can be operated on any work surface that offers sufficient stability.
- To make sure that the machine can also be set up on the floor, an easy-to-mount sub-construction is available as an option.
- The upper screen holder can easily and rapidly be adjusted within a range of 250 and 1000 mm, to cater to the various screen formats.
- The screen holders can be adapted to match frame profile thicknesses between 5-25 mm or 20-40 mm.
- All the pertinent coating parameters can be smoothly and easily programmed by means of the control panel.
- This machine provides for one-sided or double-sided simultaneous screen coating.
- To optimize the coating surface, the frame profile height can be adjusted within a range of 25 and 100 mm via a rotary knob on the control panel.
- The contact pressure and the trough tipping procedures are controlled by the pneumatic system.
- Extremely smooth operation of the coating carriage thanks to the use of special sliding guides and a special toothed belt drive unit.
- Safely reproducible coating results with direct coating wet-on-wet or during subsequent coating.
- Easy-to-use manual functions

### Coating parameters

- Coating speed (15 - 65 mm/s)
- Number of coatings on squeegee side (0 - 10)
- Number of coatings on print side (0 - 10)
- Flow time (0 - 10 seconds)
- Frame profile height (25 - 100 mm)

### Option U

- Sub-construction for mounting the machine on the floor. The height of the sub-construction is 540mm

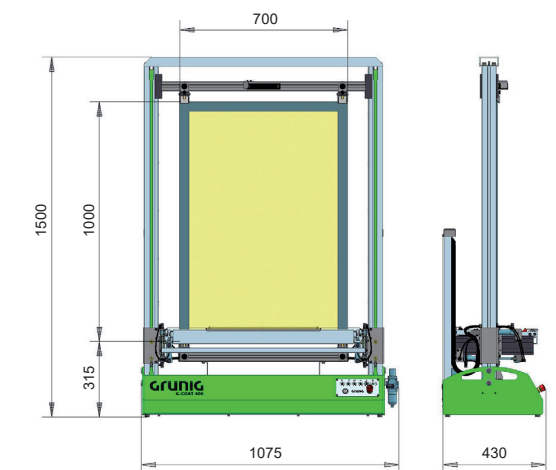


Screen format	SB screen width	mm	max. 700
	SH screen height	mm	250-1000
	Frame profile height	mm	25-100
	Frame profile thickness	mm	5-40
Dimensions	Width	mm	1075
	Height	mm	1500
	Depth	mm	430
Power supply	Voltage	V	1x230+N+PE 1x110+N+PE
	Frequency	Hz	50/60
Permanent sound pressure level		dB (A)	< 70



The machine is in compliance with the EU machinery directives (CE conformity)

Technical changes are reserved August 2017

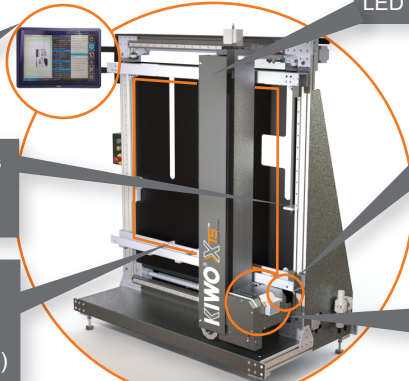


All measures in mm

# KIWO XTS™

Introducing the latest generation of CTS systems brought to you by **KIWO®**  
The KIWO XTS™ offers the highest resolution and speed combination of any other wax-based inkjet system available today.

## Key Features



**LED Exposure Unit option now available**

**Touch-screen user interface**

**New!** Automatic Wiping System helps increase printhead life using Xerox wiper blade.

- Processes images up to 35"W x 34"H (89cm x 86cm)
- Handles frames up to 42" x 42" O.D. (107cm x 107cm)

- Single Xerox® inkjet head, capable of resolutions up to 1200 dpi
- Imaging throughput speeds averaging <1 min./screen

Solid ink (wax) for universal emulsion compatibility, better density and sharper image quality than any water-based inkjet system.

## Advantages of solid ink (wax) over water-based systems

- Solid ink has higher optical density than water-based inkjet systems, offering the opacity required to **properly** cure thick or very light sensitive (fast) photo-emulsions
- Solid ink does not bleed or wick into the unexposed emulsion like water-based ink, offering superior edge definition, halftone dot control and integrity
- Solid ink is not susceptible to running, absorbing, beading (due to surface tension), or other variables that affect emulsion compatibility
- Solid ink does not stain mesh

## Fast Return On Your Investment

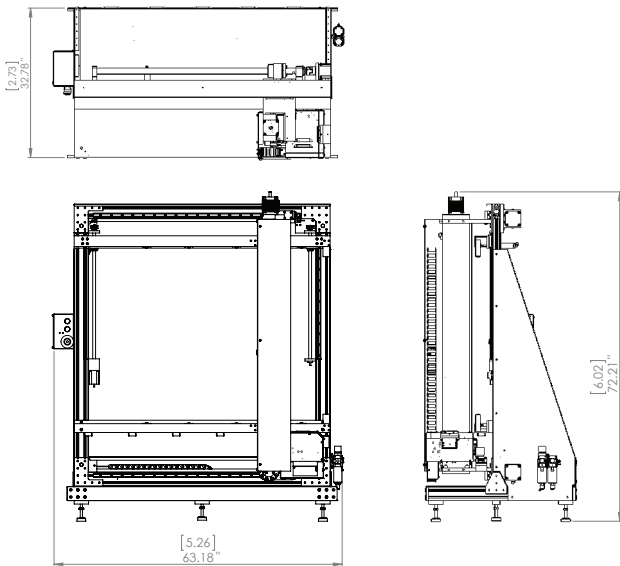
The advantages of the digital workflow with the KIWO XTS™ lead to a rapid ROI by:

- Eliminating film costs
- Reducing reject rates in screenmaking by virtually eliminating pinholes
- Reducing exposure times by approximately 40% (no film or glass)
- Repeatable & accurate registration for faster job setup and turn-around
- Reduction of the work steps from 13 (traditional film process) to only 4
- No film storage
- Faster set-up times at the printing press
- Higher productivity and shorter delivery times

## Equipment Package

- KIWO XTS™ Computer-to-Screen machine with LINUX-based industrial machine controller, Touch-screen monitor & mount
- Mac-based Harlequin RIP-station including FTIFF license
- Three-point registration standard
- Safety floor mat

## KIWO XTS™ Specifications



Maximum Screen Frame Sizes:	42"W x 42"H / 107 x 107 cm (Side Loading) 42"W x 40"H / 107 x 102 cm (Front Loading)
Minimum Screen Frame Sizes:	20"W x 20"H / 51 x 51 cm
Maximum Frame Profile Thickness*:	2" / 5 cm Standard roller frames or box profile stretch & glue frames. <small>*Other frame profiles need to be verified with KIWO for suitability.</small>
Minimum Image Margins**:	Top & Bottom: 4.5" / 11.5 cm Left & Right: 3.5" / 9 cm <small>**Minimum margins between image file and outside edge of frame. (Values based on 2" frame profile/ verify margins with KIWO for other frame dimensions.)</small>
Maximum Image Size***:	35"W x 34"H / 89 x 86 cm (On max. frame size with 2" profile) <small>***Maximum Image Size with LED exposure unit option is reduced.</small>
Maximum Frame Profile Thickness:	2" / 5 cm Standard roller frames or box profile stretch & glue frames.
Controller Type:	LINUX-based industrial PC controller with touch-screen user interface
Data Format / RIP:	1-bit TIFF / Mac-based Harlequin RIP
Head Technology: Resolution:	Xerox® industrial solid ink print head (880 nozzle) Auto-detect: 900 / 1200 / 1500 dpi.
Compatible Stencil Material:	Compatible with all typical stencil making materials.
Network Interface:	Ethernet 100/1000 Mbps.
Environmental Conditions: Operating temperature: Humidity:	Dust free office-type environment. 60-80°F 45-75% Non-condensing
Voltage Requirements: Power Min - Max:	120VAC / 60Hz. - (10 Amp dedicated circuit) 250 - 1000 Watts
Weight:	700 lbs / 318 kg.

KIWO provides innovative solutions for all of your screen making needs.  
We would love to discuss your application needs, and how we can help to optimize your process.

Please contact us today!

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