

BURKLE PROCESS TECHNOLOGIES **UV-Liquid Coating Line**

Bürkle UV-Liquid Coating Line 1300, 1600 and 2100

UV-Coating line, including drying unit for coating primer and protection lacquers as well as processing full sized finishings of digital printable media, running through with solvent-free UV-lacquers and direct lacquer curing with UV-radiation.

A maximal plate height of 80 mm can be coated steplessly.

Suitable for almost all surfaces within digital- and screen printing. High quality surfaces are guaranteed.

Key Benefits

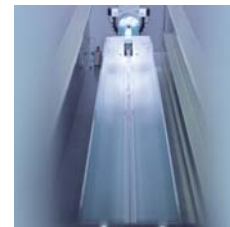
- adjustable UV-power for individual setting up to the different coating requirements
- EVG power supply unit for a building main fuse of 63 A.
The electrical connection will be effected with a Cekon-connector
- central access for compressed air and electricity for the entire machine

Application

- varnishing of all firm materials up to height of 80 mm
- applying of primer e.g. for glass or furniture surfaces
- varnishing of all UV-printed plates
- foil inscription for vehicles
- lacquer and priming of many flexible materials
- displays
- digital pictures, luminous exposure
- inkjet prints
- coloured coatings and many more

BURKLE PROCESS TECHNOLOGIES Equipment Features UV-Liquid Coating Line

- Siemens Touch Screen for operating the coating unit and the UV-modul
- display and adjusting of the height of material in the display
- cleaning friendly lacquer circuit
- rollable application aggregate
- quick change of laquer
- handling of firm and flexible materials
- handling of roll-of materials (with Roll-to-Roll option)
- and lots more



UV-Drying

- UV-projector and reflector to be taken out from top
- automatically swinging reflector during transportation stop
- glair shield on outcoming side
- power setting 50% / 66% or 100% or stepless



Siemens Touch Screen

- for all functions, e.g.: motor-driven lifting of the applying aggregates during feeding stop, when restarting automatic adjustment of the required height
- display of the free passage in the user touch pad

Laquer- and Cleaning Circuit

- pneumatic, gentle treating double membrane pump with pressure reducer, especially suitable also for high viscose solvent-free laquer systems
- big collecting tray on side, made from stainless steel for low contamination of the material flow



Mobile Design

- for cleaning the machine
- chassis with add. synthetic wheels for running track free working space
- incl. tracks



Technical Data	LFC 1300	LFC 1600	LFC 2100
Application Aggregate			
Working width	1.300 mm	1.600 mm	2.100 mm
Working height	1040 mm +/- 20 mm		
Free passage way, steplessly	0,1 bis 80 mm		
shortest working piece	400 mm		
Working side	right		
Feeding rate	5-25 m/min		
Speed feeding roll	2-10 m/min		
Control unit	Siemens SPS		
Weight	approx. 1480 kg	approx. 1700 kg	approx. 2600 kg
Connection Power at 50Hz	3kW		
UV Modul			
Output power	120W/cm max.		
Quantity of extracted air con.	1 piece		
Total extracted air	1200m³/h	1600m³/h	2200m³/h
Air consumption	2 NL/min		
Air pressure	6bar		



BURKLE PROCESS TECHNOLOGIES Product configurations

Bürkle UV-Liquid Coating Line 1300/1600 and 2100

UV-Coating line, including drying unit for coating primer and protection lacquers as well as processing full sized finishings of digital printable media, running through with solvent-free UV-lacquers and direct lacquer hardening with UV-radiation. A maximal plate height of 80 mm can be coated steplessly.

Suitable for almost all surfaces within digital- and screen printing. High quality surfaces are guaranteed.

Part-No.	Description	
LFC1300	Bürkle LFC 1300 incl. EVG	1.300mm width
LFC1600	Bürkle LFC 1600 incl. EVG	1.600mm width
LFC2100	Bürkle LFC 2100 incl. EVG	2.100mm width

Options

LFC00303	Bürkle LFC two containers for closed lacquer circuit, incl. cleaning tray, 1.300mm width	
LFC00302	Bürkle LFC two containers for closed lacquer circuit, incl. cleaning tray, 1.600mm width	
LFC003	Bürkle LFC two containers for closed lacquer circuit, incl. cleaning tray, 2.100mm width	
LFC004	Bürkle LFC Flex - cleaning tray with coating knife for flex. media thinner than 3mm, 1.300mm width	
LFC00401	Bürkle LFC Flex - cleaning tray with coating knife for flex. media thinner than 3mm, 1.600mm width	
LFC00402	Bürkle LFC Flex - cleaning tray with coating knife for flex. media thinner than 3mm, 2.100mm width	
LFC0439391	Bürkle LFC funnel to supply coating	
LFC017	Bürkle LFC 1300 Roll-to-Roll Option	
LFC018	Bürkle LFC 1600 Roll-to Roll Option	
LFC019	Bürkle LFC 2100 Roll-to Roll Option	
LFC197070	Bürkle LFC belt conveyor GF 1300 for automated feed of big substrates	
	Bürkle LFC US version, 480V/60Hz, AWG wiring, largely UL	
	Freight charges, installation and training	

Customized Roller Tables

We can adapt each roller table to your individual application process and requirements. This means that the accessory can be offered in every dimension. According to application the table can be equipped with different kinds of conveyor technology. Your selection may depend on the necessary load capacity, which material should be transported etc.

Part-No.	Description
0302130130	Table with 18 rollers 1.300mm x 1.300mm
0302130131	Table with 72 ball-rollers 1.300mm x 1.300mm

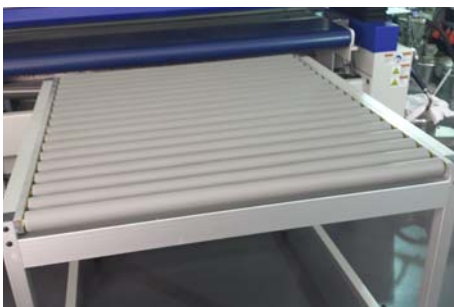


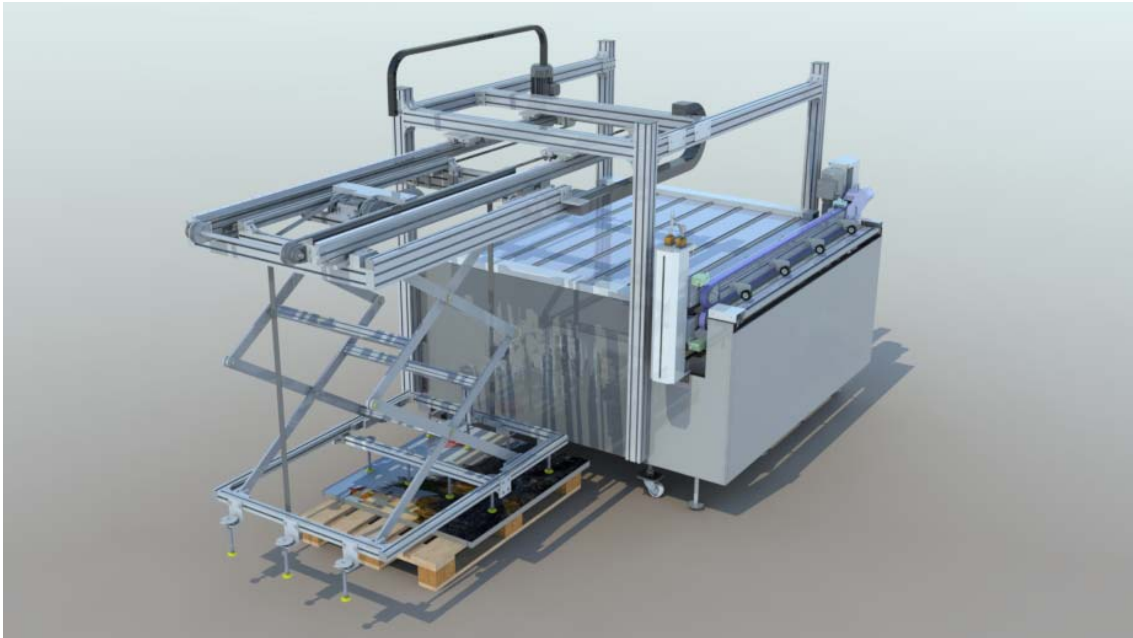
Table with 18 rollers



Table with 72 ball-rollers



Wide Format Autoloader



Fully Automatic Loading and Cleaning System for the Bürkle LFC UV-Liquid Coating Line

This Wide Format Autoloader offers an easy use and flexible solution for a wide range of media types and formats, which need to be handled in the digital printing and finishing industry.

The Wide Fromat Autoloader loads directly from your palette to the loading table. Suction technology lifts the printed substrate by means of the suction effect from the strack on the pallet and moves it on to a lifting table. After that, the media is brought to and through the Wandres Cleaning Unit and then to the Bürkle Unit for coating.

It can transport substrates up to a maximum weight of 10 kilogram per sqm. The system works fully

automatic. The speed is coordinated with the Wandres and Bürkle machines.

The new loading process for the Bürkle LFC Series is suitable for almost all rigid and flexible media.

For media that must not be cleaned, simply disengage the Cleaning Unit and the media will be brought directly to the Bürkle Unit.



Key features of Wide Format Autoloader

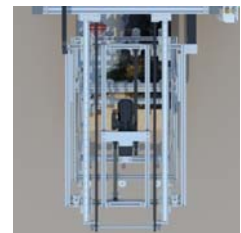
Standard

- Operation speed: compatible with Wandres cleaning unit and synchronisable with Bürkle LFC UV-Liquid Coating Line
- Remote control of all machine functions and remote diagnosis
- Loading table height is adjustable
- The unit is on wheels for easy handling



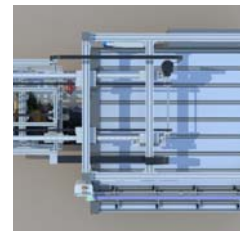
Media

- Media Size: Max.: 1.200mm x 1.600mm (47,24 x 629,9 inches)
Min. : approx. 8 x "A4" Sheets (each 210mm x 297mm)
(8.3 x 11.7 inches)
- Media thickness: Depending on the material
- Maximum weight for media: 10 Kg/sqm
- Media stack height including palette: 1.050 mm
- Speed: coordinated with the Wandres and Bürkle machines



Technical Data

- Electrical connection: 3 Phase 400 NPE, 50 Hz
- Power consumption: 2,5 KW
- Compressed Air: 8 bar, 300 l per min.
- (Wandres unit Power consumption: 0,5 KW)
- (Wandres unit Compressed Air: 8 bar, 570 l per min.)
- Dimensions (BxTxH): 3.940 mm x 2.140 mm x 1.820 mm
- Weight: approx. 940 kg
- Shipping dimensions: 1 crate, (B x T x H) 4.200 mm x 2.400 mm x 2.000 mm
- Shipping weight: 1.050 kg with crate



WANDRES Automatic Micro-Cleaning



The Combi Sword Brush system is ideal to clean furniture panels, plastic and flat glass sheets from above and from below. These surfaces need to be cleaned before lacquering, converting and stacking. The sword brushes wipe transversally across the material surfaces. The micro-moistened brush filaments remove even the most minute particles from the subject surface. The integrated pressure buffer provides for a constant wiping pressure and a premium cleaning result. The adjustment frame allows a vertical adjustment of the sword brushes e.g. to adapt them to the materials thickness or to remove them from the material surface for maintenance purposes.

Wandres Micro-Cleaning 2100

Part-No.	Description
03070001	Single-sided Combi Sword Brush Una X 111/350/2300 complete incl. control cabinet, Ingromat central supply pump, suction Kit, cable package
03070008	Double-sided Combi Sword Brush Una X 121/600/2300 complete incl. control cabinet, Ingromat central supply pump, suction Kit, cable package
03070022	underframe construction UG46-2300 for Combi Sword Brush

Wandres Micro-Cleaning 1600

Part-No.	Description
03070011	Single-sided Combi Sword Brush Una X 111/350/1750 complete incl. control cabinet, Ingromat central supply pump, suction Kit, cable package
03070014	Double-sided Combi Sword Brush Una X 121/600/1750 complete incl. control cabinet, Ingromat central supply pump, suction Kit, cable package
03070021	underframe construction UG46-1750 for Combi Sword Brush

Wandres Micro-Cleaning 1300

Part-No.	Description
03070016	Single-sided Combi Sword Brush Una X 111/350/1500 complete incl. control cabinet, Ingromat central supply pump, suction Kit, cable package
03070018	Double-sided Combi Sword Brush Una X 121/600/1500 complete incl. control cabinet, Ingromat central supply pump, suction Kit, cable package
03070020	underframe construction UG46-1500 for Combi Sword Brush

Accessories for the Wandres Micro-Cleaning Systems

Part-No.	Description
03070005	Ingromat P (cleaning liquid) 30 litre
811000-11	Installation / Training
03070010	Freight charges, Packaging



Marabu UV Liquid Coatings

MaraShield UV Rigid gloss, matt

Base varnish for rigid and partially flexible media, at least 3 years outdoor usability, with application thickness of approx. 20 gr / m². The varnish has a high mechanical and chemical resistance.

Part-No.	Description	Price
98-010	MaraShield UV-RG 5 litre	205,49 €
98-020	MaraShield UV-RM 5 litre	205,49 €

MaraShield UV Flexible

Special varnish for flexible media with elastic properties, at least 3 years outdoor usability, the varnish does not show any points of rupture, even after severe kinking, extensibility approx. 50%, Application thickness approx. 20 gr./qm

Part-No.	Description	Price
98-050	MaraShield UV-FXG 5 litre	210,89 €
98-052	MaraShield UV-FXM 5 litre	210,89 €

MaraShield UV Corrugated Board gloss

UV-CBG was developed for the protective varnishing of corrugated cardboard materials, which were previously printed in digital- or screen printing. Such applications are e.g. Displays, a variety of interior furnishings from Reboard®. Useable for hot bonding.

Part-No.	Description	Price
98-110	MaraShield UV-CBG 5 litre	148,71 €

MaraShield UV Anti Graffiti

Brilliant varnish with additives for protection against contamination, painting / inscription and graffiti.

This protective varnish enables the removal of graffiti in public places Buildings / means of transport, e.g. in the tram very easily.

Part-No.	Description	Price
98-090	MaraShield UV-AG 5 litre	407,36 €
98-198	MaraShield UV-AG FLEX 20 litre	1.629,46 €





Marabu UV Colour Coatings for glass to handle with UV-Coating System

Marashield Glass Colours

For coloured coatings on glass marabu offers nearly every colour you like. On request all colours (e.g. RAL, Pantone, etc.) are producible. The colour-prices varying, due to the different weight density. The colours are processed on glass as a **two-component** system with UVHV8 (4%) hardener.

Part-No.	Description	Price
98-153	MaraShield UV-CGL Rollercoating white 5 litre	386,25 €
98-154	MaraShield UV-CGL Rollercoating white 20 litre	1.515,95 €
98-155	MaraShield UV-CGL Rollercoating white 230 kg = 154 litre	5.832,13 €
98-098	Colour - extra pay (will be charged one-time per colour)	65,00 €
Please request your colour!		

Marashield UV-PMMA white

White topcoat for acrylic/plexiglass/pmma. A typical application example is a digital back print coated with white so that an opaque layer is formed. In combination with UV-PMMA primer the most materials can be applied. The topcoat is only for indoor using. **A performance test before finishing is indispensable!**

Part-No.	Description	Price
98-088	MaraShield UV-PMMA-White 5 litre	343,70 €

Marashield Gold and Silver

For mixing with a basecoat, for example, to produce a golden wallpaper. 15% gold or silver, 85% basecoat.

Part-No.	Description	Price
98-196	MaraShield Gold 1 kg	90,82 €
98-197	MaraShield Silver 1 kg	72,05 €



Primer / coating system for digital print on different materials

Marashield UV Primer Glass

Primer for glass and metal, without after-treatment (annealing) good scratch resistancy at 2 x 120W/ cm lamp power, homogeneous finishing with glass and also useable as sandwich with primer - printing - topcoating. **A two-component** system with UVHV8 (4%) hardener.

Part-No.	Description	Price
98-080	MaraShield UV-PGL 5kg	270,38 €

Marashield UV-PMMA + UV-PP Primer

Primer for materials made of Plexiglass, for a connection between Ink and Plexiglass which can be milled. The Primer is transparent and can be used for the most transparent products. **A performance test before finishing is indispensable!**

Part-No.	Description	Price
98-084	MaraShield UV-PMMA Primer 5kg	270,38 €
98-193	MaraShield UV-PP Primer 5 litre	212,93 €

Marashield Adhesive Layer UVHV 8

The adhesive layer is necessary with specific products and creates a two-component product with an open-time of generally 8 hours. The added quantity amounts usually 4 % of the varnish quantity. Using the kit of closed closing-off finishing brackets on the LFC the required varnish quantity can be considerable reduced!

Part-No.	Description	Price
98-072	MaraShield Adhesive Layer UVHV 8 - 100ml	26,31 €

Welte UV-CFG white for Glas and Acrylic

1K UV-Topcoat white, ideal for back-coating of digitally printed glass or acrylic glass. A **single-component** system. For improved processing we commend the Welte additive for UV varnish (5% of the varnish quantity)

Part-No.	Description	Price
98-328	Welte UV-CFG white for Glas and Acrylic - 10kg bucket	264,06 €
98-329	Welte additive for UV varnish - 500g can	102,20 €

Welte UV primer coating-system for highly stressable digital printed furniture boards

One component UV curing System for printing and finishing of melamine-boards. Multilayer composition: 1. UV-primer build a connection to the substrate 2. UV print base scratch-resistant matt for a printing without final coating 3. UV-HPC special base corundum for abrasion classification 4. final coating matt 10 GU, semigloss or high gloss! Due to the compatibility of the products the passages of each layer is possible nearly without lags by cleaning-times for the machine.

Part-No.	Description	Price
98-302 (1.)	Welte UV Primer - 20kg	728,00 €
98-300 (2.)	Welte UV print base scratch-resistant matt	on request
98-301 (3.)	Welte UV-HPC special base corundum - 20kg	336,00 €
98-303 (4.)	Welte UV final coating matt 10GU - 20kg	404,00 €
98-305 (4.)	Welte UV final coating high gloss - 20kg	568,00 €

UV Crystal

UV-Topcoat with the "Crystal" structure. Developed for display applications. **Scratch resistant!**

Part-No.	Description	Price
98-320	Welte UV Crystal - 25kg	1.396,00 €

UV Anti Slip

UV-Topcoat with slip resistance test of floorings R9, test method, requirements: DIN 51130 (02.2014) and ASR A1.5/1,2. Developed for the floorgraphics applications. **Slip resistant!**

Part-No.	Description	Price
98-346	Welte UV Anti Slip - 5kg	199,45 €
98-345	Welte UV Anti Slip - 25kg	964,75 €

Accessory

Cleaner + Cleaning Cloth + Gloves

Part-No.	Description	Price
98-060	Marabu UR 3 general purpose cleaner 30 litre	130,20 €
98-065	Marabu UR 5 cleaner 5 litre	55,43 €
LFC11064	Cleaning cloth, white, fuzz-free, 10 kg	35,00 €
0831025	Gloves Nitrile single-use gloves VPE 100 pcs. - size L-M-S	26,50 €
LFC00027	Tin bucket, incl. lid with locking ring 15 litre	8,50 €

Calculation for laquer

The values used are based on our experienced settings, parameters can change.
Therefore the price can increase or reduce itself.

	price per litre	density kg/litre	grams per m ²	price per kg	price per m ²
Marashield UV Rigid gloss					
MaraShield UV-RG 5 L	41,10 €	1,08	20	38,05 €	0,76 €
MaraShield UV-RG minimum order quantity 100 L	37,85 €	1,08	20	35,05 €	0,70 €
Marashield UV Rigid matt					
MaraShield UV-RM 5 L	41,10 €	1,15	20	35,74 €	0,71 €
MaraShield UV-RM minimum order quantity 100 L	37,85 €	1,15	20	32,92 €	0,66 €
Marashield UV Flexible gloss					
MaraShield UV-FXG 5 L	42,18 €	1,05	20	40,17 €	0,80 €
MaraShield UV-FXG minimum order quantity 100 L	38,93 €	1,05	20	37,08 €	0,74 €
Marashield UV Flexible matt					
MaraShield UV-FXM 5 L	42,18 €	1,10	20	38,34 €	0,77 €
MaraShield UV-FXM minimum order quantity 100 L	38,93 €	1,10	20	35,39 €	0,71 €
Marashield UV Corrugated Board gloss					
MaraShield UV-CBG 5 L	29,74 €	1,05	17	28,33 €	0,48 €
MaraShield UV-CBG minimum order quantity 100 L	26,50 €	1,05	17	25,24 €	0,43 €
Marashield UV Anti Graffiti					
Marashield UV-AG 5 L	81,47 €	1,10	20	74,07 €	1,48 €
Marashield UV-AG minimum order quantity 100 L	81,47 €	1,10	20	74,07 €	1,48 €
Marashield UV Anti Graffiti FLEX					
Marashield UV-AG 20 L FLEX	81,47 €	1,08	20	75,44 €	1,51 €
Marashield UV- CGL Rollercoating white					
MaraShield UV- CGL Rollercoating white 5 L	77,25 €	1,49	46	51,85 €	2,38 €
MaraShield UV- CGL Rollercoating white 20 L	75,80 €	1,49	46	50,87 €	2,34 €
MaraShield UV- CGL Rollercoating white 230 kg	37,78 €	1,49	46	25,36 €	1,17 €
Marashield UV-PMMA white					
UV-PMMA white 5 L	68,74 €	1,37	46	50,18 €	2,31 €
UV-PMMA white minimum order quantity 100 L	61,43 €	1,37	46	44,84 €	2,06 €
Marashield adhesive layer UVHV 8					
Marashield adhesive layer UVHV 8 100ml	26,31 € (per 100ml)	1,01	1,84	26,57 €	0,05 €
MaraShield UV-CBG blue RAL5015 5 L					
MaraShield UV-CBG blue RAL5015 5 L	45,78 €	1,20	46	38,15 €	1,76 €
MaraShield Pale Gold S 182					
MaraShield Pale Gold S 182 1kg	15% with CBG		28	32,98 €	0,92 €
MaraShield Aluminium non smear S 190					
MaraShield Aluminium non smear S 190 1 kg	15% with CBG		28	31,11 €	0,87 €
Marashield UV Primer Glass					
MaraShield UV-PGL 5kg	58,40 €	1,08	7	54,08 €	0,38 €
MaraShield UV-PGL minimum order quantity 100 L	54,90 €	1,08	7	50,83 €	0,36 €

Calculation for laquer

The values used are based on our experienced settings, parameters can change.
Therefore the price can increase or reduce itself.

	price per litre	density kg/litre	grams per m ²	price per kg	price per m ²
Marashield UV-PMMA Primer + UV-PP Primer					
MaraShield UV-PMMA Primer 5 kg	56,78 €	1,05	9	54,08 €	0,49 €
MaraShield UV-PMMA Primer min. order quantity 100 L	53,37 €	1,05	9	50,83 €	0,46 €
MaraShield UV-PP Primer 5 L	42,59 €	1,02	9	41,75 €	0,38 €
Welte UV-CFG white for Glas and Acrylic					
Welte UV-CFG white for Glas and Acrylic	-	-	46	26,41 €	1,21 €
Welte additive for UV varnish - 500g can	-	-	2,3	51,10 €	0,12 €
Welte UV-Primer Coating System					
Welte UV Primer 20kg	39,79 €	1,0930	7	36,40 €	0,25 €
Welte UV-HPC special base corundum 20 kg	23,49 €	1,3982	25	16,80 €	0,42 €
Welte UV final coating matt 10GU 20 kg	25,52 €	1,2636	9	20,20 €	0,18 €
Welte UV final coating high gloss 20 kg	31,52 €	1,11	9	28,40 €	0,26 €
Supercoat Interieur					
Supercoat 950 UV Interieur Lustre 10 kg	59,83 €	1,14	9	52,48 €	0,47 €
Welte UV Anti Slip					
Welte UV Anti Slip - 5 kg	-	-	22	39,89 €	0,88 €
Welte UV Anti Slip - 25 kg	-	-	22	38,59 €	0,85 €

As an option to able to simplify your production, we can offer a colour taking station with the conversion of container sizes from 20 litre to 230 kg containers. We are looking forward to your inquiry.

BURKLE Electricity
PROCESS TECHNOLOGIES

	Machine Number	Capacity	Estimated Engine Power	
		kW	kW	
LFC 1600	12304			
RCLM 1600		2,2	1,54	1,54
TRUV - transport and ventilation		5,5	3,85	3,85
TRUV - heater at 80 W/cm			14,04	
TRUV - heater at 120 W/cm				21,06
			19,43	26,45
	Machine Number	Capacity	Estimated Engine Power	
		kW	kW	
LFC 2100	12305			
RCLM 2100		2,6	1,82	1,82
TRUV - transport and ventilation		7,3	5,11	5,11
TRUV - heater at 80 W/cm			18,24	
TRUV - heater at 120 W/cm				27,36
			25,17	34,29

► LIQUID COATING ANLAGE

e.d.sy-Line LFC

Zum Auftrag von Primern, Grundierungen oder Schutzlacken für die vollflächige Veredelung digital bedruckter Medien im Durchlauf mit lösungsmittelfreien UV-Lacken und direkter Lackhärtung mittels UV-Strahlung von oben

► LIQUID COATING LINE

e.d.sy-Line LFC

For the continuous application of primary coatings, base coats or protective lacquers for the upgrading of digitally printed media using solvent-free UV lacquers and direct UV curing from the top



LACKIERSYSTEME
FINISHING SYSTEMS

WELTE

WELTE GMBH

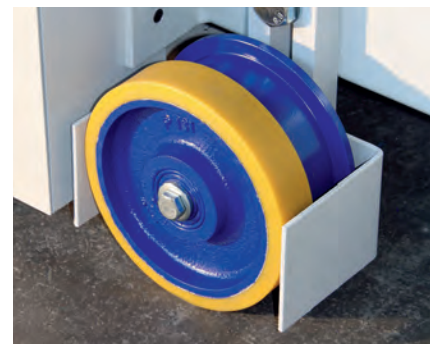
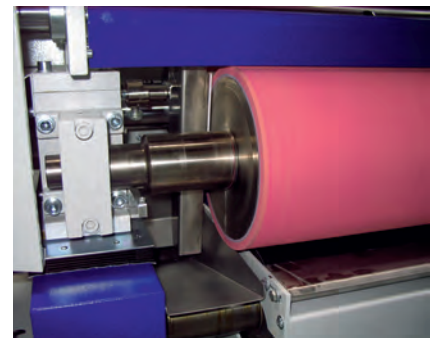
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BURKLE 
PROCESS TECHNOLOGIES



WALZENAUFTRAGSMASCHINE **ROLLER COATING MACHINE** e.a.sy-Coater RCLM

Die Bürkle Walzenauftragmaschine RCLM ist das Resultat langfristiger Praxiserfahrung und bietet die aktuell besten technischen Möglichkeiten zur Lösung der heutigen und zukünftigen Beschichtungsaufgaben.

EINSATZBEREICHE

- Auftrag UV-basierter Lacksysteme zum Schutz und zur Veredelung groß-formatiger Digitaldrucke.
- Lackierung flexibler und starrer Medien mit einer Dicke von 0,1 bis 80 mm.
- Verarbeitung einer Vielzahl an Digitaldruckerzeugnissen hergestellt aus Verbundplatten, Karton, Wellpappe, Folien, Holzwerkstoffplatten usw.

MASCHINENAUSFÜHRUNG

- Solider Maschinenrahmen mit schwingungsdämpfenden Gussteilen.
- Separate, in den Maschinenrahmen integrierte Transporteinheit, für Wartungsarbeiten schnell herausnehmbar.
- Rakel zur Reinigung schnell wechselbar.
- Separate Direktantriebe für Auftrags-, Dosier- und Transportwalze, frequenzgeregelt.
- Verchromte Dosierwalze, feinfühlig einstellbar.
- Schnellwechselsystem für die Auftragswalze.

ENTSCHEIDENDE VORTEILE

- Solider Maschinenbau ermöglicht qualitativ hochwertige Beschichtung bis zu einer Medienbreite von 2.100 mm.
- Konstante und reproduzierbare Beschichtungsergebnisse liefern die Grundlage für eine Gewährleistung der der Haltbarkeit von Druckprodukten.
- Verarbeitung von Glanz- oder Mattlacken mit Auftragsstärken von 5 bis 30 Micron.
- Effiziente und kostengünstige Möglichkeit zur vollflächigen farbigen Beschichtung von Platten, auch bei geringen Stückzahlen.

The Bürkle roller coating machine RCLM is the result of longtime practical experience and provides the best possible technical solution to meet your application requirements of today and tomorrow.

FIELDS OF APPLICATION

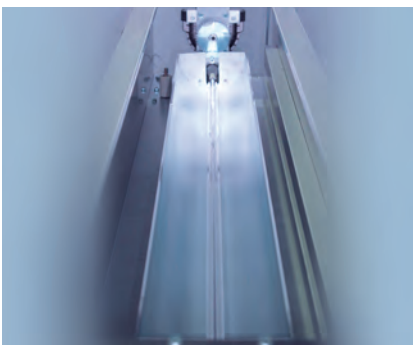
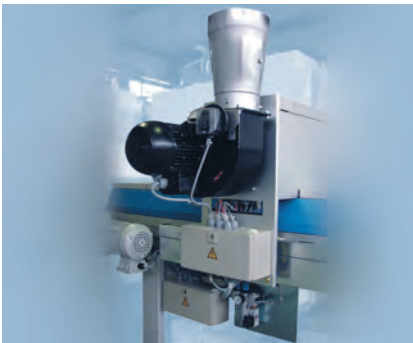
- Application of UV-based lacquers for the protection and the enhancement of large format digital prints.
- Liquid coating of flexible and rigid materials with a thickness between 0,1 and 80 mm.
- Processing of digitally printed products made from numerous materials such as composite panels, cardboard, corrugated cardboard, foils, wood based panels etc.

DESIGN OF THE MACHINE

- Stable machine frame built with vibration-absorbing cast-iron.
- Independent transport system mounted into the machine frame. For maintenance the transport system can be removed easily.
- Scraper blades, quickly exchangeable for cleaning.
- Separate, frequency-controlled direct drives for applying, doctor and transport roller.
- Chromium-plated doctor roller with a sensitive roller adjustment.
- Quick change coupling for the applying roller.

DECISIVE ADVANTAGES

- Stable machine design ensures a high quality lacquer application on work pieces with a width of up to 2.100 mm.
- Steady and reproducible coating results are the basis to offer guarantees on the durability to the end-user.
- Processing of gloss and matt coatings with application amounts between 5 and 30 micron.
- Efficient and economic technology to coat work pieces with coloured lacquers, also for small batch sizes.



UV-ANLAGE *e.a.sy-Cure UV*

EINSATZBEREICHE

- Einseitige Härtung (Teil- und Vollpolymerisation) von UV-härtenden Lacken auf planen Werkstücken von oben.

MASCHINENAUSFÜHRUNG

- Gurtförderer mit integriertem Saugtisch zum sicheren Transport speziell leichter Werkstücke.
- Stufenlos regelbarer FU-Direktantrieb.
- Angetriebene Übergangsrollen am Einlauf für kleine Werkstücke.
- Schaltschrank für die Gesamtanlage platzsparend im Untergestell der UV-Anlage montiert.

UV-MODUL

- UV-Strahler und Reflektor von oben zu entnehmen.
- Automatisch schwenkender Reflektor bei Transportstop.
- Auslaufseitiger Blendschutzvorhang.

ENTSCHEIDENDE VORTEILE

- Einstellbare UV-Leistung zur Anpassung an unterschiedliche Beschichtungsanforderungen.
- Elektronisches Vorschaltgerät (EVG) optional erhältlich für eine maximale bauseitige Absicherung von 63 A. Stromanschluss erfolgt in diesem Fall mittels einer Cekon-Steckverbindung.
- Zentraler Anschluss von Strom und Druckluft für die gesamte Anlage.
- Aktivkohlefilter für Betrieb ohne den Anschluss an eine externe Absaugung optional erhältlich.

UV UNIT *e.a.sy-Cure UV*

FIELDS OF APPLICATION

- *Single-sided curing (partial or full polymerisation) from the top of UV lacquer on flat workpieces.*

DESIGN OF THE MACHINE

- *Belt conveyor with integrated vacuum table for the secure transport especially of light workpieces.*
- *Steplessly adjustable, frequency-controlled direct drive.*
- *Driven transition rollers at the infeed for short workpieces.*
- *Switch cabinet for the complete LFC machine conveniently placed underneath the UV-Unit.*

UV MODULE

- *UV lamp and reflector removable from the top.*
- *Automatic swivelling reflector in case of transport stop.*
- *Light protection curtain at the outfeed.*

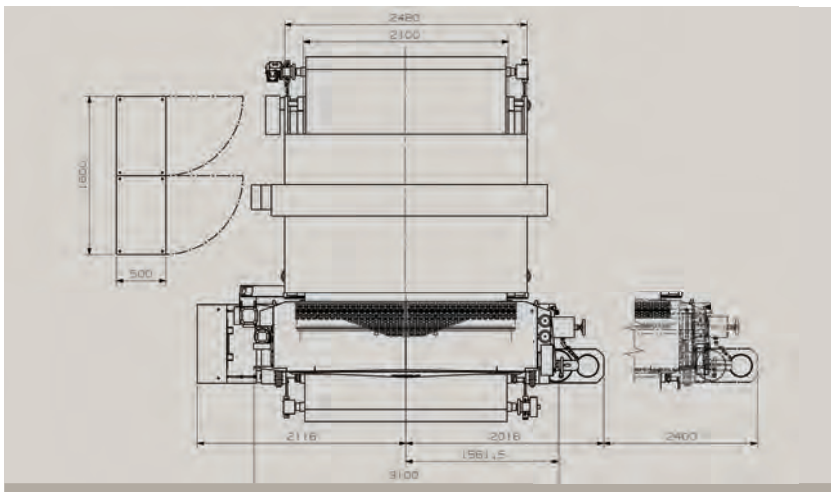
DECISIVE ADVANTAGES

- *UV power adjustable to the specific requirements of each coating process.*
- *Electronic ballast optionally available for a maximum fuse protection of 63 A on site. The power connection in this case happens with a Cekon-Plug & Socket connection.*
- *Central connection point for electrical power and compressed air for the entire coating line.*
- *Optional available charcoal filter enables to operate the machine without connection to an external exhaust system.*

Technische Daten Liquid Coating Anlage e.a.sy-Line LFC				Technical Data Liquid Coating Line e.a.sy- Line LFC	
Arbeitsbreite	1300	1600	2100	mm	Working width
Arbeitshöhe	1040 ± 20	1040 ± 20	1040 ± 20	mm	Working height
Vorschubgeschwindigkeit	5 – 25			m/min.	Feed speed
Durchlasshöhe	0,1* – 80	0,1* – 80	0,1* – 80	mm	Passing height
Anlagenlänge ca.	2930			mm	Length of line approx.
Anlagenbreite ca.	3350	3650	4150	mm	Width of line approx.
Bedienungsseite rechts, auf Wunsch links					Operating side right-hand, on request left-hand
*Erfordert Zusatzausrüstungen				* Requires optional equipment	

Technische Daten Walzenauftragmaschine e.a.sy-Coater RCLM			Technical Data Roller Coating Machine e.a.sy-Coater RCLM	
Gummierte Auftragswalze Ø	240	mm	Rubber covered applying roller Ø	
Verchromte Dosierwalze Ø	172	mm	Chromium plated doctor roller Ø	
Geschwindigkeit Dosierwalze	2 – 10	m/min.	Speed of doctor roller	
Antriebsleistung ca.	3	kW	Driving power approx.	
Maschinenlänge ca.	800	mm	Length of machine approx.	

Technische Daten UV-Anlage e.a.sy-Cure UV				Technical Data UV Unit e.a.sy-Cure UV	
Gurtförderer				Belt Conveyor	
Länge ca.	2000	mm	Length approx.		
Antriebsleistung ca.	0,55	kW	Driving power approx.		
UV-Modul				UV Module	
Strahleranzahl	1		Number of lamps		
Spezifische Strahlerleistung max.	120	W/cm	Specific lamp power maximum		
Dotierungsart	Quecksilber o. Gallium mercury or gallium			Lamp medium	
Lichtbogenlänge ca.	1420	1755	2280	mm	Arc length approx.
Anschlussleistung	17,8	21,8	30,6	KW	Connected load
Abluftmenge je Strahler ca.	1200	1600	2200	cbm/h	Exhaust air volume per lamp approx.
Sicherheitseinrichtung gemäß CE				Safety devices as per CE	
Technische Änderungen vorbehalten				Subject to technical modifications	



Liquid Coating Anlage e.a.sy-Line LFC 2100
Liquid Coating Line e.a.sy-Line LFC 2100

Schaltschrank entfällt bei Einsatz eines elektronischen Vorschaltgerätes anstatt Transformator.
Switch cabinet is not applied when using an electronic ballast instead of a transformer.



Finishing
Machines

Accessories

Further Processing
Consumables



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