



HEIMANN

GRAPHISCHE TECHNIK & HANDEL



ROTOGRAVURE PRINTING **ACCESSOIRES & SERVICES**

PRE-PRESS | PRESS ROOM | SECOND HAND MACHINES | SERVICE



HEIMANN

PARTNER OF THE PRINTING INDUSTRY

Heimann is a medium-sized family business in Hamm, Germany and has been a competent supplier for the graphic industry for more than 45 years.

Sophisticated chemical products for the manufacturing of rotogravure cylinders are developed and produced in-house, based on our extensive experience in all rotogravure printing areas (illustration, packaging and decor).

Although we are specialized in rotogravure printing, we also offer the entire product range of consumables for flexo graphic, offset and digital printing, from prepress to printing and postpress. In addition, we can provide measuring devices for quality control including service and advice.

Thanks to our worldwide network, we are able to supply an extensive range of second-hand machines. On request, we can take over the complete service up to commissioning at the new location.



“Our medium-sized enterprise tradition stands for trust, loyalty and reliability. Our word is our bond.”

A handwritten signature in black ink that reads 'Sabine Heimann'.

Sabine Heimann, Heimann GmbH

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PRE-PRESS

GALVANIC | ENGRAVING | CYLINDER CORRECTION | MEASURING DEVICES

CYLINDER PREPARATION











Order No.	Product	Application / Property
PRODUCTS FOR ELECTROLYTICAL DEGREASING BATHES		
	A03-0106 Degreasing Salt EL	Strong degreasing concentrate, based on phosphate
	A03-0136 Degreasing Salt SIL	Very strong degreasing concentrate, based on alkali (phosphate free)
	A03-0120 Degreasing Concentrate Stron-E	Degreasing salt and decoater for Think-electroplating
	B09-0394 Degreasing Salt CTH	Degreasing salt for Think-electroplating
	A03-0146 Degreasing Concentrate SIL (ABC)	Liquid degreasing concentrates for electrolytical degreasing
	A03-0145 Degreasing Concentrate SIL Duo (AB)	
	A03-0154 Degreasing Concentrate HKS	Liquid degreasing concentrates for electrolytical degreasing very strong
MANUAL DEGREASING		
	B09-0471 Pat.-Helio	Degreasing and desoxidation paste for surface cleaning of gravure cylinders
	B09-0470 Helio VI	Degreasing and desoxidation liquid for surface cleaning of gravure cylinders
SEPARATING SOLUTIONS FOR BALLARD SKIN PROCESS		
	A03-0153 Separating Solution 2020/D-PG	Silver based, dilution 1:20 with distilled water, longer lifetime
	A03-0523 Separating Solution 2020/B	Silver based, dilution 1:20 with distilled water, longer lifetime; customized concentration
	A03-0139 Separating Solution 2000	Silver based, ammonia-free, dilution 1:20 with distilled water
	A03-0134 Separating Powder E	Separating powder E is a non-toxic and non-polluting concentrate based on albumin; dilution 50 g on 10 l distilled water. Coating manual or by spraying nozzles.
COVERING VARNISH		
	B03-0557 Covering Varnish, yellow	For covering the cylinder edges during the galvanic copper-plating or chrome-plating

GALVANIC NICKEL BATH

Order No.	Product	Application / Property
PRODUKTE FÜR ELEKTROLYTISCHE ENTFETTUNGSBÄDER		
	B09-0285 Nickel Sulphate Hexahydrate	Highly pure products for preparation of nickel-bath electrolytes for nickel-plating of the steel-cylinder prior to copper-plating
	B09-0291 Nickel Chloride Hexahydrate	
	B09-0312 Boric Acid	For adjusting of the pH-value in nickel electrolytes
	A05-0002 ff. Nickel Anodes	Highly pure nickel anodes in different types










GALVANIC COPPER BATH

	Order No.	Product	Application / Property
COPPER ANODES			
	B09-0564	Copper Nuggets Of-Cu	Copper anodes with a high chemical purity more than 99,9 %; oxygen-free and phosphorus-free (Of-Cu) resp. With a content of phosphorus from 0,04 - 0,06 % (P-Cu) for sulphuric copper bathes; regular dissolution of copper with very low formation of mud.
	B09-0562	Copper Nuggets P-Cu	
	B09-0502	Copper Balls Of-Cu	
	B09-0568	Copper Balls P-Cu	
	B09-0594	Flat Copper Anodes P-Cu	In various sizes
	M03-0001 ff.	Carbon Brushes	In various sizes
	B09-0508	DisCoP	Non-dissolvable anodes for the DisCoP process
GENERAL PRODUCTS FOR THE GALVANIC COPPER BATH			
	A03-0109	Copper Sulphate, snow shape	Chloride-poor and extra pure product for sulphuric copper-electrolytes
	B09-0314	Sulfuric Acid 96 %, highly pure	Highly pure sulphuric acid for preparation of sulphuric copper-electrolytes
	A03-0133	Hardness Additive HE 10	Concentrate for deposition a ductile copper with a hardness of 200 - 220 HV; dilution 1:14 (resp. 1:9) with distilled water; chloride-free
	A03-0115	Hardness Additive HE 14	
	A03-0164	Hardness Additive HE 14-S	HE14-S is also useful for higher current densities
	A03-0132	Hardness Additive HE 10/EW	Concentrate for deposition a bright, ductile copper with a hardness of 200 - 220 HV; dilution 1:9 (resp. 1:14) with distilled water; as well suitable for phosphorus-containing copper anodes.
	A03-0159	Hardness Additive HE 14/EW	
	A03-0138	Hardness Add. Powder HD 10	Powdery concentrate for deposition of a bright, ductile copper with a hardness of 200 - 220 HV; dilution 350 g in 10 l distilled water
	A03-0189	Hardness Add. Powder HE-S/plus	
	B09-8046	Silver Oxide	Correction substance for precipitation of chloride
PRODUCTS FOR THE ALKALINE COPPER BATH			
	B09-0624	Copper AL-HA	Make Up solution for the alkaline copper bath for direct copper plating of steel; Product with excellent throwing and covering power
	B09-0625	Copper AL-HI	Maintenance solution
	B09-0626	Copper AL-pH-Adjuster	Solution of a pH adjuster and buffer




PRE-PRESS

GALVANIC | ENGRAVING | CYLINDER CORRECTION | MEASURING DEVICES

GALVANIC CHROME BATH









	Order No.	Product	Application / Property
	B09-0504 ff.	Platinised Titanium Anodes	Insoluble mesh anodes for chrome baths with a long life-time, in customized sizes
	B09-0587	Chromic Acid Crystalline	Salt for set-up of hard chrome baths; high-grade chemical purity of 99,75 %
	B09-0602	Chromic Acid Solution 500 CLF	Solution for set-up of hard chrome baths; 500 g/L
	B09-0603	PrintChrome H-A	Chromic acid solution with catalyst; Batch solution
	B09-0588	PrintChrome H-D	Chromic acid solution with catalyst; Dosing solution
	B09-0605	PrintChrome Catalyst H-A	Fast chrome-plating additive for a better current yield; results in lower chrome plating time and lower current consumption (for dosing or set-up)
	B09-0622	PrintChrome Catalyst H-C	
	B09-0607	Defoam Cr-H	Surfactant solution for reduction of bath fumes in the chrome bath; low foaming; high chemical and thermal stability; electrolyte losses are reduced
	B09-0606	Additiv PrintChrome Conversion H-TCC	Additive for platinized titanium anodes (at conversion of lead anodes); reduction of chrome ³⁺ formation
	B09-0229	Barium Carbonate	Correction agent for precipitating of sulphate

DECHROMING

	Order No.	Product	Application / Property
DECHROMING SOLUTIONS			
	A03-0100	HNL	Ready-for-use solutions for activated or purely chemical dechroming. Decchroming is accelerated by additives and corrosion of copper is avoided. HNL and Acecor 15567 are solutions based on hydrochloric acid for chemical dechroming; 84 H is a solution based on sulphuric acid for electrolytically activated dechroming.
	A03-0101	84 H	
DECHROMING CONCENTRATES			
	A03-0099/L	84 HK	Concentrates for self-production of dechroming solutions by adding acids. Decchroming is accelerated and corrosion of copper is avoided. 84 HK, KEHK and HA are concentrates for electrolytically activated dechroming with sulphuric acid; Acecor 11654 is a concentrate for purely chemical dechroming with hydrochloric acid.
	A03-0103 ff.	KEHK und HA	
	M52-M11654	Acecor 11654	
DECHROMING SALT			
	A03-0105	Decchroming Salt	Composition of solid matters for self-production of a dechroming solution based onhydrochloric acid for chemical dechroming.
	A03-0098	Decchroming Salt HE	Additive for self-production of dechroming solution. It accelaretes dechroming and inhibits copper corrosion



ETCHING PROCESSES

	Order No.	Product	Application / Property
	B09-0212	Ferric Chloride, normal 45 °Bé	Ferric chloride solution with a density of 45 °Bé for etching of the cylinders copper coating
	B09-0213	SW One-bath Ferric Chloride. FH 48 °Bé	One-bath etching solution (density 48 °Bé) on ferric chloride basis with additives for constant etching of the cylinders copper coating
	B09-8002	Cupric Chloride Dihydrate	Product for etching of the copper cylinder according to the Think-process
	B03-0541	Laser Lacquer black	Lacquer for rotogravure cylinder production according laser burning technique
	B03-0590	Laser Lacquer H-B 212	For copper
	B01-0593	Laser Lacquer H-BYC 200	For steel
	B01-0554	Laser Lacquer H-MKC	Laser lacquer for rotogravure and embossing cylinders
	B03-0542	Thinner for Laser Lacquer	
	B01-0191	Thinner for Laser Lacquer H-B 212 and H-BYC 200	
	B03-0555	Thinner for Laser Lacquer H-MKC	
	B03-0556	Degreasing and desoxidation solution H-R10	
	A03-0498	Laser-Activator	Cleaning and activation of the copper surface after direct lasering
	B09-0175	Acid-proof Copying Layer HR 100/NS	Set for copy-technical etching in copper by a negative film; hardening by UV light; the layers are acid-proof; removal of not hardened areas with developer
	B09-0169	Thinner HR	
	B09-0172	Developer HR	
	B07-0057	White Shrink Iron	Roller cover for etching machines
	C03-0030	Tampon made of Styrofoam	With round edges
	A03-0165	PEG-Solution	Additive for Copper etching solution. Inhibits formation of stained etching

PRE-PRESS

GALVANIC | ENGRAVING | CYLINDER CORRECTION | MEASURING DEVICES

MILLING OFF AND TURNING OFF COPPER

Order No.	Product	Application / Property
CUTTING OILS		

Sliding agents for cylinders which are treated with a Polishmaster; oils are effective even as very thin film on the surface; no smoke development during cutting off; non-toxic and non-polluting; lifetime of the cutting tools is increased



A03-0531	Cutting Oil T2002	Acecor 15703 and T2002 are completely water-soluble and therefore easy to remove
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M14-00104	Cutting Oil D1	D1 is not completely mixible with water; it differs in content of grease and the removal is more large scale; such greasy oil works as protective film while storing the cylinders
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GENERAL PRODUCTS FOR MILLING OFF AND TURNING OFF COPPER



A03-0534	Hydrofluid 2000	Concentrate for hydrostatics
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A01-0100 ff.	Cutting Tools for Polishmaster	Rough-, fine- and side-cutting tool
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A01-0089 A01-0161/N	Cutting Tool for CFM-Machine Polycrystalline tool for Superperfast	Face cutting tool
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A01-0128	Side Cutting Tool resp. Insert for side cutters	Side cutting tool (for CFM-Machine resp. Superperfast)
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FILTER MATERIAL FOR GALVANIC BATHES

Order No.	Product	Application / Property
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B03-0508 ff.	Depth Filter Cartridges PUR	Polypropylen filters (depth filter) for cleaning of electrolytic solutions; strong dirt adsorption over the whole filter depth; long life-time; wide chemical compatibility; available in various lengths (10", 20") and µm-sizes (1, 3, 5, 10, 20 µm)
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B03-0534 ff.	Wounded filter Cartridges 10" and 20"	Wounded PP filter cartridges in various µm-sizes (e.g. 1 µm, 10 µm, etc.)
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B03-0455 ff.	Activated Carbon Filter Cartridges 10" and 20"	For removal of organic compounds in electrolytical solutions
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B03-0302 ff.	Filter Disks	For cleaning of electrolytic solutions; available with customized sizes and thicknesses; made of paper or card-board
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B03-0450 ff.	Activated Carbon Filter Disks	For removal of organic compounds in electrolytic solutions; available with customized sizes and thicknesses
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B03-0990 ff.	Filter Fleece HM50, T40 or T70 V60 and HD 130	Filter fleece for band filter system, Length: 100 m or 200 m; Width: 480 mm or 750 mm
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GRINDING AND POLISHING

	Order No.	Product	Application / Property
	B04-0014 ff.	Steel Grinding Stones	Available with various grains for grinding of steel surface, Height: 50 mm, Grain: 120, 280, 400
	B04-0001 ff.	Copper Grinding Stones	Available with various grains for rough grinding and fine grinding resp. polishing of the copper surface. The abrasive grains are embedded into a solid plastic mass; due to the self-cleaning effect subsequent treatment is not necessary, Diameter: 195 mm Height: 50 mm oder 70 mm Bore hole diam.: 50 mm or 100 mm Grain: 120, 150, 180, 280, 400, 600, 800, 1000, 1500, 2000, 2500, 3000, 5000
	B04-0027 ff.	Hand Grinding Stones for Copper	Available with various grains; Size: 245 x 124 x 50 mm
	B04-0053	Chrome Grinding Stones	For fine grinding resp. polishing of the chrome surface. The abrasive grains are embedded into a solid plastic mass; due to the self-cleaning effect subsequent treatment is not necessary, Chromstar, Grain 800
	B04-0101 ff.	Zinc Grinding Stones	Diameter: 200 mm, Height: 50 mm, Bore hole diameter: 50 mm, Grain: 1000, 2000, 3000
	B02-0153	Melting Glue Granulate	Special melting glue for sticking of the grinding stones onto the grinding plate

FINISHING TAPES

	B01-5001 ff.	Microfinishingfilm 262L oder 272L Alternatively HA35 bzw. HA50	Flexible, water-proof plastic tapes coated with abrasives (aluminium oxide); for polishing of chrome or pre-grinding of copper before grinding with stones Grain size: 9, 15, 20, 30, 40, 50, 60, 80, 100 µm Width: 100 mm oder 200 mm; Länge: 50 m
	B01-5012 ff.	Imperial Lappingfilm 261X Alternatively HA30	Flexible, water-proof plastic tapes coated with abrasives (aluminium oxide); for polishing of chrome resp. copper or other metal surfaces, generate a very smooth surface Grain size: 3, 5, 9, 12, 30 µm Width: 101,6 mm oder 203,2 mm; Length: 45,72 m
	B01-5004 ff.	Imperial Lappingfilm 261X	Flexible, water-proof plastic tapes coated with abrasives (aluminium oxide); for polishing of chrome resp. copper or other metal surfaces, generate a very smooth surface. Sheets: 215 x 279 mm
	B04-5012 ff.	Lappingfilm	Grinding tapes for metals Grain: 800, 1000, 1500; Width: 100 mm oder 200 mm; Length: 50 m
	B01-5020 ff.	CR-Finishingfilm 5900, 5902, 5910	Grinding tapes for metals Grain size: 9, 12, 20, 30, 40, 50 µm; Width: 100 mm oder 200 mm; Length: 50 m
	B01-5090 ff.	Diamond Lappingfilm 661X Alternatively HD30	Flexible, water-proof plastic tapes coated with abrasives (diamond); for polishing of anilox rolls Grain size: 1, 1,5, 3, 6, 9, 15, 30 µm Width: 50,8 oder 101,6 mm; Length: 15,2 m

PRE-PRESS

GALVANIC | ENGRAVING | CYLINDER CORRECTION | MEASURING DEVICES

GRINDING AND POLISHING










Order No.	Product	Application / Property
GRINDING PAPER		
B04-0691 ff.	Grinding Paper Siawat FC 1727	Water-proof grinding paper with abrasives (silicon carbide) in various grains, 230 x 280 mm
B04-0605 ff.	Grinding Paper Siawat 1913	Water-proof grinding paper with abrasives (corundum) in various grains, 230 x 280 mm
B04-0200 ff.	Economic Reel 611 P, Length 50 m	For surface treatment, available in various grains (80 to 220); water-proof; Width: 40 mm and 50 mm
B04-0401 ff.	Grinding Paper Sianor 1600	Grinding paper in various grains, 230 x 280 mm
B04-2200 ff.	Grinding Paper 991 A or C, waterproof	Water-proof grinding paper in various grains, 230 x 280 mm
B04-2251	Grinding Wheel SC/DH, Ø = 178 mm, blue	For automatic grinding of the cylinder edges
B04-0693	Handpads Scotch Brite	Hand grinding pads 158 x 224 mm
B04-2000	Grinding Paper MIC grey 15 µm	Size: 215,9 x 279 mm

FURTHER ARTICLES

Order No.	Product	Application / Property
B01-0019	Acid-proof Gloves	For handling of corrosive electrolyte solutions
B01-0010	Working Gloves	Made of leather
B01-0151 ff.	Rubber Squeezer	Available in customized measurements
B03-0700 ff.	Measuring Cup	Made of polypropylen in various sizes (1, 2, 3 l)
B03-0545	Contact Grease Cu20	For electroplating department
B03-0047 ff.	Copper Tape KF 181	In customized measurements
B03-0022 ff.	Copper Brushes	In various sizes; for rotogravure cylinder clean
B01-0397 ff.	Fiberglass Brushes	In various sizes; for rotogravure cylinder cleaning



FURTHER ARTICLES

	Order No.	Product	Application / Property
	B03-0815	Files	For subsequent polishing; in various finesses
	C03-0603 ff.	Rubber Printing Blanket	For proof-presses in various sizes
MAGNIFIER			
	B01-0184 ff.	Linen Tester	Magnification: 5x, 6x, 8x, 10x, 12x
	B07-0409 ff.	Folding Magnifier	Magnification: 6x, 8x, 10x, 12x, 15x, 20x
	B07-0400 ff.	Eye Clamped Magnifier	Magnification: 6x, 10x
	B07-0404 ff.	Pocket Microscope	In various types and magnifications
ANALYSIS			
	on request	Analysis Test Kit for copper bath electrolytes	For determination of sulphuric acid and copper sulphate
	on request	Analysis Test Kit for chrome bath electrolytes	For determination of sulphuric acid and chromic acid
	C01-0269	Hull Cell Case	Set for checking electrolyte solutions
	B01-0163 ff.	Bottles for solution samples	Made out of PE in different sizes
	B07-0803	Areometer 0 – 30 °Bé	For determination of electrolyte solution density
	B07-0800	Areometer 0 – 50 °Bé	
	B07-0900	Areometer 1,000 – 1,200 g/cm³	
	B07-0784	ADR Transport box	UN-approved transport case made of aluminum for sending electrolyte samples
CLEANING CHEMICALS			
	A03-0575	Cleaning Concentrate UBIX	Cleaning Concentrate for ultrasonic bathes for cleaning of ESA bars
	B03-0912	Paint Remover HO	Cleaning of machine parts (removing of ink rests like correction lacquer or toluene based ink)
	B05-0352	Cold Cleaner H/L	Special detergent for removing of oil, fat and not aged printing ink from surfaces (machines, gravure cylinders, floors)
	A03-0567	Cleaning Concentrate UB/L	Special detergent for use with ultrasonic bathes for removing of printing ink (water-based ink) from gravure cylinders
	A03-0573	Cleaning Concentrate TU	Special detergent for use with small ultrasonic bathes for removal of oil, fat and not aged printing ink from small parts
	B09-0581	Cleaning Powder	Cleaning powder for use with cylinder cleaning machines; based on baking powder
	B01-0049 ff.	Cleaning Clothes	In various types and sizes

PRE-PRESS

GALVANIC | ENGRAVING | CYLINDER CORRECTION | MEASURING DEVICES

CHEMICALS FOR THE ELECTROMECHANICAL GRAVURE

Order No.	Product	Application / Property
ENGRAVING SLIDING OILS		

With engraving sliding oil a good sliding performance of the sliding shoes and an excellent cutting capability of the burr cutters is achieved. Styli do not stick and lifetime of the diamond tools will be increased.



A03-0564	Engraving Sliding Oil CIDI XIII/19	Water-soluble sliding agent for engraving
A03-0572	Engraving Sliding Oil HM	Solvent containing engraving sliding oil. Dries fast without residue
A03-0577	Engraving Sliding Oil HM-13/19	Solvent containing engraving sliding oil. Dries fast and generates a water-soluble sliding film
A03-0579	Engraving Sliding Oil HM-E4	Solvent containing engraving sliding oil. Dries fast and generates a non- water-soluble sliding film
A03-0580	Engraving Sliding Oil HM-DP	Solvent-based oil; Dries quickly and creates a non-stick sliding film
B09-0565	Engraving Sliding Oil AR19	Silicone emulsion as sliding oil for diamond styli

GENERAL PRODUCTS FOR THE ELEKTROMECHANICAL GRAVURE



A03-0560	Film Cleaner CIDI XIV	Cleaning fluid for scanning cylinders, various films and surfaces with high-grade cleaning performance; fast drying without residues
B07-0132	Adjustable, blue	For adjusting the engraving tools

CONSUMABLES FOR ENGRAVING

Order No.	Product	Application / Property
SPARE PARTS FOR HELIOKLISCHOGRAPH		



B01-0148 ff.	Suction Nozzles	Straight or bent
C01-0733 ff.	Filter	In various sizes



On demand: Puller for stylus, Stylus setting gauge, Dumping plate for Heliosprint

DIAMOND TOOLS FOR ENGRAVING



A01-0001 ff.	Engraving Styli	High quality diamond tools for electromechanical engraving machines
A01-0011 ff.	Burr Cutter	
A01-0013 ff.	Sliding Shoe	

GENERAL PRODUCTS FOR ENGRAVING



B07-0155	Stylis Cleaner	Special plastic mass for styli cleaning
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A03-0012	Elder Mark	Natural product for stylus cleaning
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C03-0328	Cleaning Fleece K500/K6	Oil and cleaning fleece for the Helioklischograph K500 or K6; Roll size 97 mm x 60 m
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B04-5000	Polishing Paper, yellow	For removal of venetion effect of cylinders which are treated with Polishmaster
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DIAMOND TOOLS/ ENGRAVING STYLUS FOR GRAVURE

Order No.: A01-0001 ff.

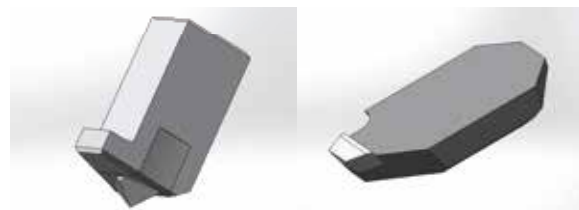
We only use high-class quality diamonds. The raw diamonds are thoroughly selected and do not have any defects like ruptures, enclosures or intergrowths. In order to achieve a maximum lifetime, we choose a special orientation for sharpening. All work is done by qualified skilled diamond cutters who have long experience in treatment of industrial diamonds. This quality standard is valid for styli, burr cutters and sliding shoes.

Diamond styli:

New tools and resharpener with inspection certificate

- Diamond styli – new 110°, 115°, 120°, 125°, 130°, 140° L, S*
- Diamond styli HP (Pisa-Cut) – new – 110°, 115°, 120°, 125°, 130°, 140° L, S* (styli with a 2° enlarged free angle)
- Diamond styli – resharpener
- Diamond styli HP (Pisa cut) – resharpener
- One-way styli – L, S*
- One-way styli HP (Pisa cut) – L, S*
- Diamond styli – 12 kHz
- Burr Cutter – new – diamond in holder
- Burr Cutter – new – in existing holder
- Burr Cutter – new – complete with cassette
- Burr Cutter – resharpener
- Burr Cutter – 12 kHz
- Sliding Shoe – new
- Sliding Shoe – resharpener
- Sliding Shoe – 12 kHz
- Diamond styli T 40 for coarse screen – new
- Diamond styli T 40 for coarse screen – resharpener
- OHIO Gravostar 320220 styli – new
- OHIO Gravostar 320220 styli – resharpener
- OHIO styli – new – 110°, 115°, 120°, 125°, 130°
- OHIO styli – one-way
- OHIO styli – resharpener
- OHIO sliding shoe – new
- OHIO sliding shoe – resharpener
- OHIO burr cutter – new
- OHIO burr cutter – resharpener







* Different angles available on request
L = long holder, S = short holder



PRE-PRESS



GALVANIC | ENGRAVING | **CYLINDER CORRECTION** | MEASURING DEVICES

PLUS CORRECTION



	Order No.	Product	Application / Property
	B09-0232	Acetic Acid 20 %	Non-polluting and non-toxic cleaning agent for the cylinder surface
	B03-0012	Tripel Powder	
	A02-0003 ff.	Hand Roller	Rubber roller for applying the re-etching ink onto the cylinder; in various designs
	B09-0710	Hardener, based on alcohol	Solution for hardening of the re-etching Ink
	B03-0550	Talcum	Protection powder for hardening of re-etching Ink
	B03-0001	Polishing Paste CIDI 20	Polishing paste for application after cylinder correction for polishing of the copper cylinder
	A03-0541	Re-etching Solution 36 °Bé	Ferric chloride for etching in copper, also available in further concentrations (e.g. 33 °Bé, 45 °Bé, 48 °Bé)

RE-ETCHING SOLUTIONS FOR CHROMIUM

Solutions for etching in chrome, the products are etching very evenly and have different etching rates; good wetting of the correction area; no formation of chromate while etching.







	A03-0518	Plus Correction CIDI III/HMG	Plus Correction HMG is zinc-free
	A03-0508	Plus Correction E	Plus Correction E is zinc-free with longer etching time
	B03-0011	Etching Powder No. 1	Promotes a more even etching in chrome and avoid undesirable penetration

MINUS CORRECTION



	Order No.	Product	Application / Property
	B09-0232	Acetic Acid 20 %	Non-polluting and non-toxic cleaning agent for the cylinder surface
	B03-0012	Tripel Powder	
	A05-0020 ff.	Nickel Anodes	Anodes covered with felt for activation of the cylinder surface, available in various sizes (e.g. 10 × 10 cm), with plug or bow



MINUS CORRECTION

	Order No.	Product	Application / Property
	A03-0502	Activation VB 4	Nickel solutions for application of a firmly sticking and even nickel coating on the chrome; the solutions do not etch the chrome immediately; chloride-free
	A03-0500	Activation GPI	
	M73-M10879	Acecor Nickel solution 10879	Nickel solutions for activation of the chrome surface according to Merck, M73-M10879 Acecor Nickel Solution 10879 rather more aggressive
	A05-0011 ff.	Copper Anodes	Anodes covered with felt for precipitating copper onto the cylinder surface; available in different sizes (e.g. 10 x 10 cm); with plug or bow
	A03-0570	Quick Copper	Copper solution for precipitation of an even and well adhesive copper coating on nickel
	B03-0530	Covering Varnish Special TD	Lacquer for protection of the walls resp. the dots with Special TD during galvanic minus correction
	A03-0541	Re-etching Solution 36 °Bé	Ferric chloride for removal of unnecessary minus correction; for etching in copper and nickel
	B04-6004	Lime Charcoal	For grinding-off copper on the chrome walls









FURTHER CORRECTIONS

	Order No.	Product	Application / Property
	B01-0592	Correction Lacquer, medium	Lacquer based on alcohol for fast minus correction with proofing; insoluble in toluene
	B09-0175	Acid-proof Copying Layer HR 100/NS	Set for copy-technical re-etching in copper and chrome by means of a negative film; hardening by UV light; the layers are acid-proof; removal of not hardened areas with developer
	B09-0169	Thinner HR	
	B09-0172	Developer HR	
	A03-0094/K	TD Copper SL	Solution of copper salt for non-galvanic copper plating

PRE-PRESS

GALVANIC | ENGRAVING | **CYLINDER CORRECTION** | MEASURING DEVICES

FURTHER CORRECTIONS

	Order No.	Product	Application / Property
	B03-0003	Cylinder Laquer No. 10	For repair of damaged cylinders with small holes in the base copper
	B09-9101	Watt's electrolyte	Nickel solution for treating the cylinder edges
	B03-0801 ff.	Hand Styli for Copper resp. Chrome	For manual subsequent engraving in copper resp. chrome; with WIDIA tip
GRAPHITE ANODES			
	B08-0045	Anode X13L	Set for correction according the Dalic procedure and B08-0036 Anode X10L for repair of damages
	B08-0036	Anode X10L	
	B08-0035	Anode T8	
ANODE HOLDER			
	B08-0061	Anodenhalter AX	Set for correction according the Dalic procedure and for repair of damages
	B08-0060	Anodenhalter AT	
ANODE COVERS			
	B08-0015	Bonettes with graphite BF13	Set for correction according the Dalic procedure and for repair of damages
	B08-0016	Bonettes without graphite	
	B01-0348 ff.	Paint Brush No. 1510	Fine paint brushes made of red marten hair in various sizes (1 – 12)
	C03-0404 ff.	Paint Brush No. 550	Wide paint brushes made of goat hair in various sizes (15 – 100 mm)
	B01-0180	Spray Gun Mod. B1, Nozzle 0,3 mm	Spray gun for lacquer coating
	C02-0802 ff.	Correction Instrument 15 V	Rectifi er for galvanic minus correction. (15 A, 30 A, 60 A or 100 A)

PRE-PRESS

GALVANIC | ENGRAVING | CYLINDER CORRECTION | MEASURING DEVICES

ROUGHNESS TESTER PS10

Order No.: C01-0463



Absolute Mobility – with Roughness Tester PS10

With increasing manufacturing and machine quality, the quality of technical product's surface finishes is becoming ever more important.

This makes it all the more crucial to offer metrological solutions with instrument designs that provide quick and simple yet standards-compliant measuring options. In some cases measurements are transferred from the inspection room to production to save time and money. Components may be too large or heavy to be transported, leaving no alternative but to carry out measurements directly on the component or machine.

- Error-free operation thanks to an integrated, removable roughness standard.
- Automatic cutoff selection (patented) so that even non-specialists are ensured correct measuring results.
- 31 parameters offer the same range of functions as a laboratory instrument.
- Data is saved in the device, e.g. TXT, X3P, CSV and PDF file

The Roughness Tester PS10-Set contains:

- PS10 base unit
- Drive unit (removable)
- 1 standard pick-up (conforming to standards)
- built-in battery
- Roughness standard integrated (removable) into base unit incl. calibration certificate
- Height adjustment accessory (integrated)
- Pick-up protection
- Charger/ mains adapter with 3 mains power adapters
- Operating instructions
- Carrying case with shoulder strap
- USB cable
- Extension cable drive unit

WALL THICKNESS GAUGE ULTRASONIC TN-60

Order No.: C01-0517/ TN60



The Wall Thickness Gauge Ultrasonic is a handy, easy to use, battery operated standard wall thickness measuring device based on the ultrasonic method with an external probe. The measuring device is suitable for measuring the wall thickness of numerous parts: e.g. cylinders, pipes, storage tanks, etc. Measuring range: 3-60 mm (echo-echo) or 0.65-600 mm (pulse echo)

PRESSURE MEASURING UNIT N-5000

Order No.: C01-0230



With N-5000 pressure measuring unit the impression pressure on polishing machines in the electroplating department as well as the doctor blade pressure on proof printing presses and production run can be measured quickly and precisely. These measuring results are important factors to achieve constant production conditions for cylinder production and for printing presses.

PRE-PRESS

GALVANIC | ENGRAVING | CYLINDER CORRECTION | MEASURING DEVICES

COATING THICKNESS TESTER MINITEST 2500/4500

Order No.: C01-0477



The coating thickness tester Minitest **2500/4500** includes the following **parts**:

- Indicating unit 2500 or 4500 (LCD display) with measuring and control electronics
- FN 1.6 probe for measuring of copper on charger Steel (as an option)
- N 08 Cr probe for measuring of chrome on copper (as an option)
- Calibration foils
- Mains unit with 220 V or 110 V
- NiMH accumulator battery with charger
- Carrying case for the instrument
- Dust protective cover
- Operating manual

For determination the coating thickness of all coatings (except nickel) on ferrous resp. steel and all insulating coatings on non-ferrous metal substrates. The small portable instrument is designed for the fast measuring of copper and chrome coating thickness of rotogravure cylinders.

Measurements are effected either by the magnetic induction or the eddy current method and are non-destructive.

The measurement values are shown on the display in μm . The measuring range is for the FN 1.6 probe (for copper) 0 - 1600 μm and for N 08 Cr probe (for chrome) 0 - 80 μm .

HARDNESS TESTER SD-H3

Order No.: C01-0412



For determination of copper respectively chrome hardness of rotogravure weight have the advantage that they are supposed to be non-destructive as cylinders -simple - fast - accurate. Hardness tests in Vickers range of light the lasting surface indentation is microscopically small. Measuring is effected by Vickers penetration procedure by electro acoustic evaluation of the indentation (UCI process). Different instrument adjustments (calibration values, penetration times, tolerance thresholds) for various metals can be stored in the device (e. g. copper, chrome, steel, zinc). A transfer to PC via USB interface for long-term storing is possible on a very easy way. The measuring values and the current average value are shown simultaneously and colored (green = good; red = poor) on the display in Vickers hardness HV. Furthermore, the whole measurement-series (statistic results, single measurement values) can be displayed at a glance.

The Hardness Tester includes the following parts:

- Indicating unit with measuring and control electronics with rechargeable accumulator
- Swivelling housing holder and stable unit stand with tooth rack guide
- Measuring probe with connection cable
- Protection sleeve for the measuring probe
- Charger
- Hardness comparison plate with certificate
- Operation manual
- Communication software

CONDUCTIVITY MEASURING DEVICE SIGMASCOPE SMP 350

Order No.: C01-8099

Sigmascope SMP 350 - Hand-held eddy current conductivity tester for NF-metals with automatic normalization of the conductivity values to 20°C through temperature sensor.



3D-VOLUME MEASURING SYSTEM

Order No.: C01-8057

Confocal 3D microscope for the measurement of gravure cylinders and anilox rolls (length, width, depth, area, screen and volume of cells). It is also possible to measure the roughness of surfaces (printing cylinders, paper, etc.) as well as measurements on printed structures. Also available as laboratory instrument (C01-8087).





CHECK-MASTER II

Order No.: C01-1122



Options:

- Colour camera
- Software for measurement of mechanical engraved cells
- Calibration plate
- Connection to Excel
- Laptop (instead of PC)

The CHECK-MASTER II is an advanced measuring instrument for automatic measurement of all types of cells. Its main application is in situations where the highest accuracy and the ease of use are of great importance. Many additional accessories allow it to be used for final checking and goods inwards checking of rotogravure cylinders.

Unlike Dot-Check, the measurements are taken automatically. False measurements due to incorrect operation are hereby excluded.

The basis of this new measuring system is the world-wide known Check-Master microscope, which has been substantially modified and equipped with a digital camera having a high-performance image processor running under Windows 10 and a high-resolution monitor.

The user surface can be individually modified to ensure optimum ease of use for every application. Due to help facilities operating of the CHECK-MASTER II has still become more easy and comfortable in addition to the already existing possibilities offered by Dot Check and CHECKMASTER. The illumination of the microscope is adjusted fully automatically and operation is as usual, extremely simple. Only a PC mouse and keyboard are used to operate the instrument.

The use of a PC with Intel or AMD processor allows many other features to be provided such as storage of images and readings, connection of a laser or inkjet-printer, links to other programs and networking with other PC's.

CHECK-MASTER II offers:

- Correct and quick automatic measurement of the longitudinal and transverse diagonals and channel in one operation.
- Precise automatic determination of the screen including longitudinal and lateral repeat (feed) and angle output.
- In addition, the cells can be measured manually by using the mouse.
- Exact output of the surface of a cell in μm^2 .
- Determination of the volume for electromechanical engraving in ml/m^2 .
- Adjustment of the measuring position by 15 mm in longitudinal and transverse directions.
- Several optical magnification/measuring ranges so that both coarse and fine screen sizes can be accurately measured.
- Selection of individual or multiple measurements.
- Possibility of digital switching to 2 x and 4 x image magnification, all measurement functions remaining active.
- Considerable simplification of the series measurement of up to 24 ribbons each with up to 15 tones in one operation.
- Automatic change of measuring range with on-screen display of selected objective.
- Measurement can be made in live mode or from stored images.
- Measurement results and images can be stored on the hard disk or CD-ROM.
- Interfaces for data communication and various types of printers.
- Program for calculation of screen rollers after entry of the known data.
- Entry of cylinder characteristic data.

CIRCUMFERENCE METER D.MESS

Size I: Order No.: C01-0400
Size II: Order No.: C01-0410
Size III: Order No.: C01-0407



D.Mess – the next generation of the reliable digimess, already proven throughout the world wide industry, with increased measuring accuracy (+/- .00002 in.). D.Mess – the measuring system for those who need to measure diameter, circumference and roundness of printing cylinders, rollers etc.

D.Mess measures with the utmost precision and reproducibility. The D.Mess fulfills the highest demands on measuring accuracy. D.Mess is very easy to use; even unskilled users can properly operate the instruments with full accuracy.

The entire body of the D.Mess is made of distortion free reinforced cast aluminium. This construction guarantees long time precision. A precise measuring probe, a microprocessor for the conversion of distance measurements, a temperature probe and a data printer are built into the instrument.

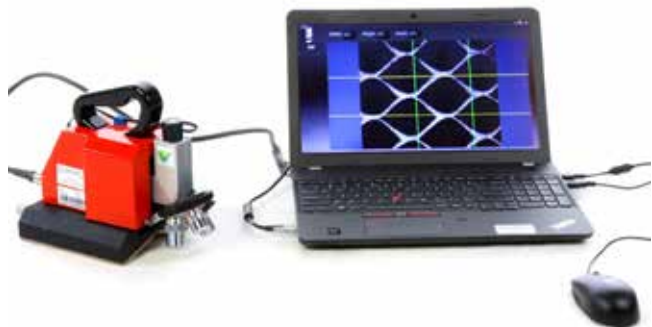
The digital LED-display can be switched over to show either diameter or circumference.

The measurement principle is a vertex measurement by means of a precision-angle-piece, with motorized, highly precisioned digital measuring probe and subsequent calculation to diameter and circumference.

The external temperature influence to the object to be measured is compensated.

DOT-CHECK TYP WH360

incl. objectives 20x, 40x and Laptop
Order No.: C01-0473



The world-wide known Dot-Check is a measuring device for the manual measurement of all types (measurement of lateral, longitudinal diagonal and depth). The main application area is the control of engraved, etched or lasered gravure cylinders as well as screen rollers.







The Dot-Check consists of a microscope with a high-resolution CCD camera and a Laptop as computing unit. The microscope is equipped with a special base so that it can be set up directly onto the cylinder. Two adjustable screws ensure an additional moving of the measuring position in directions x and y.

The measuring lines are administered in the image on screen. The distance between these lines is indicated in μm . Since the measuring lines can be arranged both horizontally and vertically, it is simple to measure the longitudinal and lateral diagonals of the cells. The depth can be specified by the adjustment of the surface to zero and the subsequent focus of the cell ground. The adjustment in the z-direction is done by a motor.


PRESS ROOM

CHEMICALS/CONSUMABLES | MEASURING DEVICES | SPECIAL ENGINEERING | STROBES












PRODUCTS FOR THE ROTARY PRESS

	Order No.	Product	Application / Property
GENERAL PRODUCTS FOR ROTARY PRESS			
	B02-0151	Autopaster Glue 3101	Adhesive for flying web splice; with very high adhesive power
	A03-0152	Autopaster Glue 3300, blue	Water-soluble solvent based adhesive for flying web splice
	B07-1000	Hand Roller	Applicator for autopaster glue
	B02-0154 ff.	Pattex belt band adhesive	compact or classic / Power adhesive for the field of driving belts
	B02-0047 ff.	Double Side Tape	For flying web splice, also water-soluble
	B02-0173	Splice Band 9353R	Adhesive tape for easy flying web splice of paper, 50mm x 55m
	B02-0176	Splittable Flying Splice Tape H-8387	Adhesive tape for easy flying web splice of foils, 50mm x 50m
SELFADHESIVE LABELS (FOR AUTOMATIC REELCHANGE, IN DIFFERENT DESIGNS)			
	B01-0201	Selfadhesive Labels 100 x 35 mm	White, with marking, middle perforation and adhesive-free zone (roll 5.000 pce.)
	B01-0190	Selfadhesive Labels 115 x 53 mm	White, with arrow-shaped punching (roll 2.500 pce.)
	B01-0188	Selfadhesive Labels 93 x 19 mm	With lateral punching and adhesive-free zone; orange (roll 5.000 pce.)
	B01-0205	Selfadhesive Labels 93 x 19 mm	With lateral punching and adhesive-free zone; white (roll 5.000 pce.)
	B01-0204	Selfadhesive Labels 101 x 25 mm	White, with 3 mm inner punching (roll 5.000 pce.)
	B01-0203	Selfadhesive Labels 101 x 25 mm	White, with inner punching 31 – 11 mm (roll 5.000 pce.)
	B01-0233	Selfadhesive Labels, red marking	50 x 29 mm (roll 2.500 pce.)
	B01-0234	Selfadhesive Labels 101 x 25 mm	White with red marking inside 31 x 11 mm (roll 2.500 pce.)
	B01-0246	Selfadhesive Labels 114 x 50 mm	With 20 mm adhesive-free zone and horizontal perforation (roll 2.500 pce.)
	B01-0207	Selfadhesive Labels „Belt Lables“	With perforation/punching (air cushion label); 105 x 28 mm (roll 5.000 pce.)
	B01-0208	Selfadhesive Labels „Belt Lables“	With perforation/punching (air cushion label); 120 x 28 mm (roll 5.000 pce.)
	B01-0221	Selfadhesive Labels „Belt Lables“	With perforation/punching (air cushion label); 28 mm width, endless (100 m roll)
	B01-0217	Selfadhesive Labels „Butterfly“	For flying web splice, 148 x 140 mm
	B01-0220	Selfadhesive Labels „Butterfly“	For flying web splice, 108/50 x 142 mm
ALU-SELFADHESIVE LABELS			
	B01-0187	Alu-selfadhesive Labels 70 x 100 mm	For sensor in autopaster; gold and silver coloured (roll 1.000 pce.)
	B01-0194	Alu-selfadhesive Labels 50 x 110 mm	

SHRINKING HOSE

	Order No.	Product	Application / Property
	B01-0341 ff.	Shrinking Hose HW	Ink cover roller, in various sizes: - Blue: Length 20 m, d = 76/89; 89/105; 105/135; 118/160 - White: Länge 20 m, d = 82/100; 89/110; 105/135; 118/160; also in customized pieces available

FURTHER PRODUCTS FOR ROTATION

	Order No.	Product	Application / Property
	B02-0058	Flock Tape	White 16 m x 16 mm x 5 mm
	B02-0077	Velvet Tape	Brown 15 mm x 10 m
	B02-0114 ff.	Tefl on foil	Available in different sizes
	B01-0397 ff.	Fiberglass Brushes	In various sizes; for rotogravure cylinder cleaning
	B03-0022 ff.	Copper Brushes	
	B01-2001	Eliminators (Lametta), rolls Box of 2 rolls	For elimination of electrostatic charge
	B06-0001 ff.	Cutting bars	Available in different sizes
	M02-0001 ff.	Quality Knives for Rotogravure	In different versions
	B09-1001	Silicon Oil Emulsion 50%	Separating and sliding agent for printed paper; dilution before using: 1:25 up to 1:100
	A02-1502	Silicone Spraying System	Prevent stripes and streaks on printing products
	B07-0267 ff.	Frikmar Cup	Viscosity cup with different nozzles (2 mm, 3 mm, 4 mm, etc.)
	D02-3506 ff.	K-Handcoater	Wired bars for various µm coating thicknesses
	A03-0602 ff.	UV-Lacquer	For refining of cover pages
	B05-0050	Antistatic Cloth	Cleaning cloth
	B01-0014	Reinigungstuch DDM 1919	Reinigungstuch für Digitaldruckköpfe

PRESS ROOM

CHEMICALS/CONSUMABLES | MEASURING DEVICES | SPECIAL ENGINEERING | STROBES

OVERVIEW BLADES

Our doctor blades are being used for rotogravure and flexographic printing. Our doctor blades are usable with solvent, UV and water based inks as well as with varnishes. The excellent steel qualities guarantee an unrestricted operation of press-, anilox- or coating rollers for the operator.

Our doctor blades are available in different types and dimensions. Please contact us and we will cooperatively find the perfect solution for you.

Standard Doctor Blade

The standard doctor blade offers an even doctor blade peak which results in a constant doctoring on all printing cylinders. The tonal values remain unchanged within the whole durability of this doctor blade. The specially polished peak moreover guarantees a rapid stripe-free printing start.

Lamella Doctor Blade

It is the superior self-sharpening specialized doctor blade with a rounded lamella. The inner edge of the lamella is edged; the area of contact is rounded, very smooth, highly polished and ready for usage. The parabolic profile of the standard – lamella is successfully in use. It optimizes the resistance towards printing bends, achieves the best doctoring possible on the whole lamella width. Upon request another type of lamella with a different edge and modified contact angles can be supplied.

Stainless Steel Blade

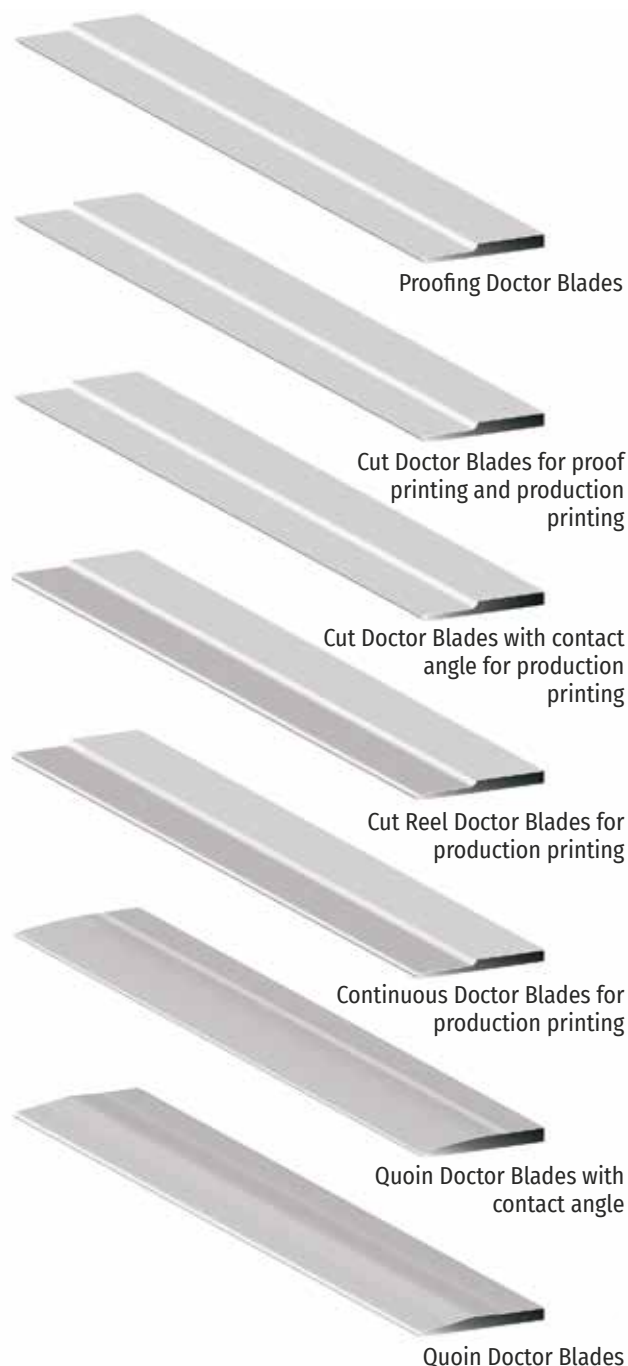
These doctor blades are the perfect solution for corrosive water based inks, coatings and varnishes. They are being used for printing applications with water based inks and coatings with high pH-values. Thanks to the longer durability less blade changes are necessary.

Coated Doctor Blades

Coated doctor blades are the best choice for coping with printing issues. The coated doctor blade offers an even doctoring and a perfect ink application, reduces dryouts and increases the durability of the cylinders. With the hardened coating which increases the durability of the doctor blade considerably, down times of the printing press and the misprints are being reduced. This doctor blade also is specifically suitable for the usage of abrasive and corrosive inks and coatings.

Ultra Doctor Blade

This premium doctor blade has a specific coating which was designed for the elimination of scumming and streaking. Ideally this doctor blade is used for printing volumes of short up to medium-length. Because of the fine surface and the even wear and tear characteristics of the doctor blade's peak the durability of the printing cylinder will be increased.



PRE-PRESS

PRESS ROOM

SERVICE

Wedge Doctor Blade

The specially sharpened doctor blade's peak eventuates in an increased thickness and stability of the doctor blade and reduces the misalignments of the area of contact at the same time that are caused by a too high printing pressure und too high press speeds. The sharp edge of the doctor blade and the stiff peak of the doctor blade yield a clean doctoring with reduced break offs of the peak. This doctor blade is furnished with a standard wedge sharpening of 15°.

Soft Doctor Blade

This carbon steel doctor blade is coated with a material based on nickel, which shows a good resistance against corrosive inks, coatings and varnishes. The soft doctor blade is especially suitable for water based inks as it shows anticorrosive characteristics. The soft self-curing coating significantly reduces the occurrence of score line formation. Soft doctor blades have a very soft and flexible area of contact.

Doctor Blade with rounded edge

This doctor blade with a flat 30° sharpening is equipped with an enhanced rigidity and a reduced bend, which is evoked by a high printing pressure and fast printing Press Rooms. The thin peak of the doctor blade eventuates in a clean ink application and helps with reducing the occurrence of scumming, as well as a long durability. The peak enlarges proportionally to a 3° sharpening. On request other sharpening are possible as well.

Synthetic doctor blades

The main operational fields of the synthetic doctor blades are the packaging industry, the fold package manufacture, the label industry, the production of envelopes and many coating applications. This reasonable doctor blade enables the operation of virtually all flexographic printing applications with its high resistivity to chemical substances and solvents. It has a lithely doctoring and thus supports the longevity of the ceramic anilox roller. This lock-up doctor blade is often used in combination with a metallic working doctor blade, whereby the costs and the cutting risks can be reduced. Particularly mentionable is its exceedingly hydrophobic feature by what it is predestinated for water based applications.

Blade (Blade support)

A blade is used when the pressure on the doctor blade is too high or the proportion of the clamp is not optimal. The deflection of the doctor blade has to be prevented to guarantee a evenly sharp and constant area of contact. The backing blade caters for a perfect flatness and rigidity and guarantees a reliable support for the doctor blades. With a material intensity twice as much as the doctor blade, the function of the blade is used perfectly.

Our doctor blades are available in different dimensions and designs

Intensity of material mm	0.15–0.40
Width of material mm	15–90
Angle °	3–60
Thickness of lamellas mm	0.055–0.300
Width of lamellas mm	0.8–1.7

DOCTOR BLADES

Order No.: D02-0008 ff.

BACKING BLADE

Order No.: D02-4103 ff.



For proofing and production printing; available in different types (normal steel, stainless steel and coated) sizes; without or with lamella.

SETTING GAUGE FOR DOCTOR BLADE ANGLE

Order No.: D02-0008 ff.



Setting gauge for doctor blade angle

Advantages: Print without stripes, maximum blade life
Available for cylinder circumference sizes 200–700 mm and 700–1400 mm

PRESS ROOM

CHEMICALS/CONSUMABLES | MEASURING DEVICES | SPECIAL ENGINEERING | STROBES

SPECTRODENS – SPECTRO-DENSITOMETER

All Colors under perfect Control

Order No.: C01-0204 ff.



A measurement device for all applications

Using measurement technology for quality assurance in print is a universally accepted practise this days. SpectroDens is your all-purpose, modern measurement device. Whether it be in pre-print for verifying proofs, for ongoing quality control at the printing press, during delivery inspection of paper and print products or in a color lab, SpectroDens is exceptionally suitable, whatever your application. Thanks to the individually adjustable display functions, you can quickly set up the device for your particular job.

FUNCTIONS

We supply SpectroDens in three types of performance packages: The model Basic with the essential density functions, the Advanced version which adds extended densitometry functions, colorimetry and a color library and as the flagship model the comprehensive Premium device. You can upgrade the devices post-purchase to higher performance levels by program upload.

SpectroDens Basic

- Automatic density
- Density CMYK (with reference measurements)
- Dot area
- Dot gain
- Print contrast
- Gray and color balance
- Ink trapping
- Printing curve (short scan)
- Density spectrum
- Spectral density for spot colors
- Trend function ExPresso mini
- Slur/doubling
- Dot area to Yule-Nielsen for printing plates
- Spot Colour Tone Value (SCTV)
- Spot Colour Tone Value (SCTV) Printing curve (short scan)
- Average

SpectroDens Advanced

Same functions as SpectroDens Basic and additionally:

- CIE L*a*b*
- CIE L*a*b* + D
- G7™ (short scan)
- $\Delta E^*a^*b^*$
- CIE L*C*h*ab
- CIE XYZ
- CIE color circle
- ΔE^*cmc
- ΔE^*CIE94
- $\Delta E^*CIE2000$
- Remission spectrum
- InkCheck: Color control of spot colors
- Color library with up to 20 color books and a total number of 25000 reference values
- Memory capacity for 3000 sample values and 300 reference values

SpectroDens Premium

Same functions as SpectroDens Advanced and additionally:

- Ugra/Fogra media wedge evaluation (short scan)
- ISO-Check: Color control based on CIE L*a*b* values (short scan)
- CIE L*u*v*
- CIE L*C*h*uv
- CIE xyY
- DIN Lab99
- Metamery index
- Whiteness
- Yellowness
- Universal scan measurement
- Pass/fail tolerance
- Opacity
- OBA-Check

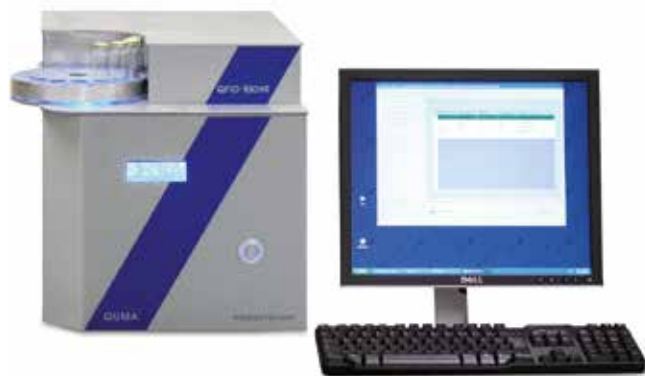
PRE-PRESS

PRESS ROOM

SERVICE

ANALYTIC INSTRUMENT QFID-100HR

Order No.: C01-0147



The QFID-100HR measures automatically samples of all kinds. He includes both, a headspace- sampler and a gas chromatograph. Fast, reliable and with a very high precision the headspace-samples will be analyzed. The instrument can separate 18 most important solvents (the analyses of different solvents is possible). A complete analyse of a 20ml HSS-vial needs approx. 8 minutes. The result will be printed out in mg/m², for example. The instrument is easy to handle because of the auto sampler. The operation does not make it necessary anymore to have qualified personnel.

The analyse consists of 3 steps:

1. Cut out a defined quantity of the sample (e.g. 50 cm²), give it into the HSS vial of 20 ml and lock it
2. Put it into the heating block
3. Announce the sample at the PC --- Ready!

System description:

The QFID-100HR integrates a headspace-sampler and an EPC gas chromatograph. The headspace-sampler works automatically in the system, which aims at a high reproducibility. This system is precise pressure controlled. The EPC gas chromatograph increases the carrier gas pressure dependent of the retention time. A special chromatographic column separates all solvents in a special analyse-oven. The oven can be controlled heated between room temperature and 200 °C. Only by controlling pressure and temperature a stabile retention time is possible. The sample, which is separated into the different solvents, gets after the oven to the Flame Ionisation Detector (FID). The FID amplifier sends analogue signals to the PC, where you can see the result.

PRESSURE MEASURING UNIT N-5000

Order No.: C01-0230



With N-5000 pressure measuring unit the impression pressure on polishing machines in the electroplating department as well as the doctor blade pressure on proof printing presses and production run can be measured quickly and precisely. These measuring results are important factors to achieve constant production conditions for cylinder production and for printing presses.

BAR CODE MEASURING DEVICE REA PC-SCAN

Order No.: C01-9004



The REA PC-Scan combines a motor-controlled precision measuring unit with a red-light semiconductor laser. The reflection values determined by the REA PC-Scan as well as the widths of the bars and gaps in a bar code are transmitted to a PC, laptop or notebook via the serial interface.

The evaluation software of the REA PC-Scan works under Windows and takes over the recognition of the individual barcode types as well as the checking of the agreement of the measured values with the specifications and standards valid for each code type.

PRESS ROOM

CHEMICALS/CONSUMABLES | MEASURING DEVICES | **SPECIAL ENGINEERING** | STROBES

AUTOMATIC IMPRESSION ROLLER CLEANING SYSTEM – APR

for Rotogravure Presses

Order No.: C02-0070



Advantages of the system:

- The sensitive rubber impression roller is protected. Cleaning of the impression roller is absolutely guaranteed and it does not cause damages e. g. due to the use of brushes or mechanical cleaning tools.
- A great advantage of the APR is clear reduction of set-up time for impression roller cleaning.
- Based on a monthly set-up time of approx. 10 hours, the investment in such cleaning system will amortize already after ½ - ¾ year.

AUTOMATIC CYLINDER CLEANING SYSTEM – AZR

for Rotogravure Presses

Order No.: A02-2000



without AZR



with AZR

Advantages:

- No colour pigments remain on the cylinder front sides. The cylinders can be removed from the press with clean front sides and do not have to be washed in a washing machine.
- Degree of soiling of the press in the splash-guard area sensibly decreases. Therefore time for cleaning after production can be clearly reduced.
- These evident advantages have a favourable effect in more than 700 units installed world-wide. With our automatic cylinder cleaning system we have developed an equipment which meanwhile is part of all new rotogravure presses.

WEB CLEANING SYSTEM

Order No.: C02-0070



Heimann provides as a reliable partner for the printing industry, surface cleaning systems for different applications. Our web cleaning systems are suitable for all types of materials. The systems can dust off one or two sides, moreover, they are designed for high and low amount of dust. All our dusting systems can be controlled manually or pneumatically. The systems are specially constructed for permanent contact cleaning. The dirt particles will be lifted off the surface through the use of special polymer wheels and absorbed by adhesive rollers, there is no need for chemicals or cleaning cloths. The adhesive power of the polymer rollers can be variable. The systems are available in many face widths. We are convinced that we can develop a suitable system solution for you and your dust problem. We will consult you with the objective of achieving maximum performance with minimum investment.

CLEANING SYSTEMS FOR THE ROTOGRAVURE PRINTING AND COATING INDUSTRY



Heimann distributes cleaning systems of a prestigious European manufacturer as an agent in Germany and beyond. Please contact us we always have a solution for your cleaning problems in the rotogravure printing sector. You can also use our systems in the coating industry. The standard machines are controlled by a microprocessor and are recommended, if non-flammable and environmentally friendly cleaners are used. All units can also be manufactured customer-specific. Our cleaners are environmentally friendly and usable for almost all fields of application.

Parts cleaning

Order No.: A02-0039

Cylinder cleaning/roller cleaning

Order No.: A02-0040

PRESS ROOM

CHEMICALS/CONSUMABLES | MEASURING DEVICES | SPECIAL ENGINEERING | **STROBES**

POCKET STROBE ROLUX 2.0

Order No.: C02-9002

Hand stroboskop based on Xenon light-technology.

Technical data:

- Xenon technology
- 1200 Lux
- Flash duration < 9µs
- 2 hours continuous use time with battery
- Lithium-Ion battery technology
- Continuous use possible with power supply unit
- Measuring range from 30 to 12,500 flashes per minute (fpm)
- Longevity of Xenon lamp more than 200.000.000 flashes (@ 6.000 fpm) (6.000 pro Minute)
- Dynamic rotary encoder
- LC display

Scope of delivery:

- Stroboscope supplied in portable case with trigger plug, 4 country plugs, powersupply unit
- Operating manual
- Device-specific test certificate



RT STROBE POCKET LED

Order No.: C02-9007

The ultimate high-performance LED-hand stroboscope.

Super fast. Super bright. Super sealed.

Worldwide most powerful handheld stroboscope with LED-technology. For heavy duty application (protection class IP65) and ultra-fast movements.

Technical data:

- Max. 300.000 flashes per minute
- Protection class IP65 (splash water and dust)
- Light emission 1500 Lux @ 6000 FPM @ 20cm
- Wide range of influencing light emission, frequency and trigger signal
- Heavy duty design with rubber holster
- Model T with trigger in/output

Scope of delivery:

- Stroboscope
- 6 pcs. AA-Batteries
- Manual
- Quality certificate
- Rigid case



RT STROBE QBLED

Order No.: C02-9014

The extremely bright, hand-held stroboscopes comprising the RT STROBE qbLED range are unrivalled in terms of brightness, operation and technology. These extremely robust and precise hand-held stroboscopes are specially designed for maintenance work/ commissioning and inspections.

Scope of delivery:

- Stroboscope
- Operating instructions
- Calibration certificate
- Charger with connector set
- Trigger plug
- Handle
- Case



RT STROBE 3000, 5000 UND 7000

Order No.: C02-9004 ff.

Stationary stroboscope with convincing technical data.

Technical data:

- Frequency range: 0 - 12500 FPM
- Flash duration: < 5µs
- Illumination intensity: single flashes 10 MegaLUX @ 30cm / 12"
- 500 LUX @ 30cm / 12" (@ 6000 FPM)
- Flash energy: 600 mJoule @ 1200 FPM
- Illumination area: 20 x 30 cm
- Housing material: aluminium
- Dimensions: 150x130x112mm
- Weight: approx. 870g

Scope of delivery:

- Stroboscope RT STROBE 3000
- Alternative with LED illumination (RT Strobe 3000 LED);
Frequency range: 0 - 120000 FPM; Light intensity:
single flash approx. 0,7 Mega-Lux @ 30 cm/12", maximum 6000 Lux
@ 30 cm/12"
- Operating instructions
- 1 plug for trigger input and power supply
- Alternative with or without power supply unit



RT STROBE CONTROL

Order No.: C02-9006

Powerful control unit for stroboscopes with extensive possibilities of the signal influence.

Units of the display

- FPM = Flash per minute
- RPM = Revolutions per minute
- Hz = Frequency of the movement (movement per second)

Scope of delivery:

- Stroboscope control unit Rt Strobe control
- Operating instructions
- Trigger cable 1,5 m
- Certificate
- Case



SERVICE

LABORATORY ANALYSES

As our laboratory is equipped with latest analysis equipment, we also offer upon request to analyze electrolytes of galvanic bathes or waste water. If desired, we will be glad to submit our offer concerning legally required waste water analysis. The following lists will give you a general view of different analysis parameters:

Copper bath electrolyte

Order No.: A03-0144

Analysis of:

- Copper sulphate
- Sulphuric acid
- Chloride
- Iron
- Titanium

Chrome bath electrolyte

Order No.: A03-0181 bzw. A03-0185

- Chromic acid
- Chrom-III-oxide
- Sulphate
- Chloride
- Catalyst C
- Density
- Iron
- Copper
- Zinc
- TCC
- Conductivity
- Surface tension

Waste water analysis

Order No.: A03-0123

Analysis of:

- pH-value
- Conductivity
- With petroleum spirit extractable substances
- Depositable substances
- Sulphate
- Copper
- Nickel
- Chromium total
- Iron
- Silver

Additional we can offer hardness measurements, microscopical investigation, etc.



SERVICE IN THE FIELD OF MEASURING DEVICES

Our measuring device specialists carry out repairs and calibrations on your devices. In addition, we train your employees in handling the individual devices on site. If you would like to carry out test measurements and rent a measuring device for this purpose: please contact us.





NEGOTIATION AND SALE OF SECOND HAND MACHINES

For magazine printing, packaging printing and cylinder production
Our good worldwide contacts to publishing and printers offer an optimal access to used printing machines and equipment.
We have an extensive supply of used machinery and we take on worldwide moving of complete printing houses.

We are in the position to quote machines for the following fields:

- Repro equipment
- Electroplating
- Gravure
- Rotogravure printing presses
- Flexo printing presses
- Offset printing presses
- Proof presses
- Peripheral equipment
- Print converting

If you intend to purchase or sell a second hand machine, please do not hesitate to contact us and ask for our service.

We have an international data base of best second hand production systems and assure full assistance concerning realization of purchase and sale including disassembly and re-assembly as well as transport.

For an up-to-date and detailed list of our second hand machines please have a look at our web site www.heimann-hamm.com.

Upon request we will glad to send your our up-to-date list by e-mail or bay fax on a monthly basis.



PRE-PRESS

PRESS ROOM

SERVICE



GRAPHISCHE TECHNIK & HANDEL

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