

## Operating supplies

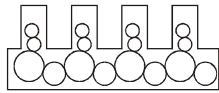
Solvent, Watersoftener, Waterqualities, Washcloth,

for

### **BALDWIN Automatic CLOTH Cleaning Systems**

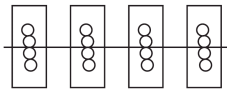
(Impact<sup>®</sup>Flex, Impact<sup>®</sup>Commerical, R300/400, B300/500)

### **BALDWIN-OXYDRY BRUSH Cleaning Systems**



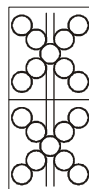
#### **Sheetfed offset presses**

- **In general**
- **MAN**
- **KBA-Planeta**



#### **Web Commercial presses**

- **In General**
- **MAN**
- **KBA**



#### **Newspaper presses**

- **Allgemein**
- **MAN**
- **KBA**

## Contact

**Cloth system**  
**Web commercial / Sheetfed**

**Brush system**  
**Sheetfed / Web commercial /**  
**Newspaper**

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### 1.0 Solvent

(see Safety Data Sheet)

BALDWIN will be responsible for and guarantee the material compatibility of the

- **Automatic Blanket Cleaner** (ABC),
- **Automatic Impression Roll Cleaner** (AIC),
- **Automatic Press Washer** (APW),

only when one of the washing agents that has been approved / recommended by BALDWIN and been tested for the compatibility of materials with a view to the cleaning unit is used.

It has to be taken into account that the use of any solvent in BALDWIN cleaning units requires the appropriate release from the press manufacturer as well.

- To avoid fire and explosion hazards, only cleaning agents with a flash point > 55°C (danger class A III) may be used as per EN 1010-2.
- Damage to components of the washing unit resulting from the use of other washing agents are excluded from the warranty liability.
- BALDWIN decline any responsibility with regard to side-effects of the solvents that will cause damage to the printing plates, the blanket, and any other press components.
- When the cleaning unit is used for washing the plate cylinders, only burnt-in plates may be used.
- The solvent manufacturer is responsible for the uniform formula of the tested solvents.
- Solvents must not be mixed together.
- The approval and recommendation for washing agents refers only to the fresh agents of the manufacturer.
- The solvent selected by the customer must be indicated to BALDWIN when the order is placed.
- Please inform BALDWIN in advance (8 weeks before) and in time when a change to another approved / recommended solvent is made at a later date without fail, since this might require altering the washing programs. The costs incurred by such a change are to be paid by the customer.
- When the alteration that may be required is not carried out and/or when the washing agent is changed during the warranty period, BALDWIN decline any liability. Any costs incurred to be paid by the customer.
- Storing the solvent and water softening agent: The local safety regulations and/or the EC safety data sheets of the solvent used shall be observed. Request the safety data sheet from the supplier concerned without fail.
- Disposal of used solvent, water and softening agent that is no longer required: The local safety regulations and/or the EC safety data sheets of the solvent used shall be observed. Request the safety data sheet from the supplier concerned without fail.
- Cleaning the Ink Rollers When Using Hybrid Inks on sheetfed presses: After completion of the washing program manually apply a roller shampoo or a similar agent onto the rollers at roller washing speed. Allow the applied roller shampoo to work in at roller washing speed for several minutes (follow the instructions given by the ink roller manufacturer). Subsequently clean the ink roller frame either by a plain water program or a solvent/water program. Repeat this process as required so that all residues will be completely removed from the rollers.

### 1.1 Solvents: Cloth system

#### 1.1.1 Recommended Solvents: Cloth system

##### Recommended Cleaning Agents for **sheet-fed** offset general / KBA Rapida 74/105/105-2:

Baldwin guarantees the perfect function of the wash system with regard to handling in the media supply, spray distribution, safety function and material compatibility.

- Uniwash 4 G (DC Druck Chemie) for conventional printing inks
- Böttcherin 60 (Felix Böttcher) for conventional printing inks
- Böttcherin UV 60 – S (Felix Böttcher) for exclusive UV operation
- Balkleen UV (Druck Chemie) for exclusive UV operation
- Hydrosolv AIII (Day) for mixed UV operation
- Novasol HB 10 (Druckerei Service) for hybrid inks

##### Recommended Cleaning Agents for **commercial web offset** general / MAN / KBA:

Baldwin guarantees the perfect function of the wash system with regard to handling in the media supply, spray distribution, safety function (dryer safety) and material compatibility.

- AWC 5000 (DC Druck Chemie) for web commercial offset general / MAN Roland<sup>1)</sup> / KBA (conv. blankets)
- VARN Natural Wash (Day Int.) for web commercial offset general / MAN Roland / KBA (conv. blankets / Metal printing blankets)
- Rotowash Bio - 120 (Druckerei Service) for web commercial offset general / MAN Roland<sup>1)</sup> / KBA (conv. blankets)
- Solstar 7110 (Solco) for web commercial offset general / MAN Roland<sup>1)</sup> / KBA (conv. blankets)
- Böttcherin HS (Felix Böttcher) for web commercial offset general / MAN Roland / KBA (conv. blankets / Metal printing blankets)

1) MAN Roland: Approved, with the exception of the blanket MBB Day EP861 (only Böttcherin HS approved for MBB Day EP861)

##### Recommended Cleaning Agents for **Newspaper presses** offset general / MAN / KBA:

For cleaning systems on newspaper web offset you need to consult Baldwin.

##### Recommended Cleaning Agents for **bank note printing** KBA Super Simultan / Super Orlov:

- Uniwash 4 G (DC Druck Chemie) for conventional printing inks
- Balkleen Nature (DC Druck Chemie) for conventional printing inks
- Balkleen UV (Druck Chemie) for exclusive UV operation

### 1.4.2 Approved Solvents: Cloth system

Baldwin guarantees just the material compatibility of the Automatic Cleaner by using an approved solvent.

The entire approval list is attached in the appendix.

#### **Note on the Approval List**

**Approval list** regarding material compatibility **sheet-fed offset** (see appendix):

The cleaning agents stated there may be used on Baldwin cleaning systems in combination with all sheet-fed offset presses. To be able to use the cleaning agent on the cleaning system on MAN Roland and KBA Planeta sheetfed presses, you need an approval by the press manufacturers, too.

**Approval list** regarding material compatibility **commercial web offset** (see appendix):

The cleaning agents stated there may be used on Baldwin cleaning systems in combination with all commercial web offset presses. To be able to use the cleaning agent on the cleaning system on Koenig & Bauer AG and MAN Roland web commercial presses, you need an approval by the press manufacturers, too.

This approval for Koenig & Bauer AG is subdivided in presses with conventional blankets and presses with metal blankets (MiniGap).

For cleaning systems on the **VSOP 805 / 1250** web offset presses by Drent-Goebel the cleaning agents stated on the approval list sheet-fed offset (general) and commercial web offset (general) may be used.

For cleaning systems on **Flexo printing** you need to consult Baldwin Germany GmbH

For sheet-fed presses and web commercial presses see also the MAN / KBA approval list on the FOGRA website at: [www.fogra.org](http://www.fogra.org). Solvents to used must be listed on the Baldwin-list and separate MAN / KBA approval list.

### 1.5 Solvents: Brush system

#### Cleaning Agents for **commercial web offset presses** inc. heatset dryer general / MAN / KBA:

Solvents for Protec HS -Brush cleaning systems on web commercial presses in combination with Heatset dryer. To be able to use the cleaning agent on the cleaning system on MAN Roland and KBA newspaper presses, you need an approval by the press manufacturers, too.

- Eurostar NV (DC Druck Chemie) for web commercial offset general / Manroland AG<sup>1)</sup> / KBA (conv. blankets)
- Eurostar NV 5.0 (DC Druck Chemie) for web commercial offset general / Manroland AG<sup>1)</sup> / KBA (conv. blankets)
- Rotowash Bio (Druckerei Service) for web commercial offset general / KBA (conv. blankets + Minigap)
- Rotowash Bio-120 (Druckerei Service) for web commercial offset general / Manroland AG<sup>1)</sup> / KBA (conv. blankets)
- Solstar 7110 (Solco) for web commercial offset general / Manroland AG<sup>1)</sup> / KBA (conv. blankets)
- Solstar 7100 (Solco) for web commercial offset general / KBA (conv. blankets)
- Böttcherin HS (Felix Böttcher) for web commercial offset general / Manroland AG / KBA (conv. blankets + Minigap)
- Varn Natural wash (Day Int.) for web commercial offset general / Manroland AG / KBA (conv. blankets + Minigap)
- Schnellreiniger 220 300 (Vegra) for web commercial offset general / Manroland AG / KBA (conv. blankets)
- printcom wash 401B (printcom) for web commercial offset general / Manroland AG<sup>1)</sup>
- printcom wash 402B (printcom) for web commercial offset general / Manroland AG<sup>1)</sup>
- printcom wash 406X (printcom) for web commercial offset general / Manroland AG<sup>1)</sup>
- **Schnellreiniger 220 212 (VEGRA) for web commercial offset general / KBA (conv. blankets + Minigap)**

<sup>1)</sup> MAN Roland: Approved, with the exception of the blanket MBB Day EP861

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### Cleaning Agents for Newspaper presses without dryer general / MAN / KBA:

The cleaning agents stated there may be used on Baldwin Brush cleaning systems in combination with Newspaper presses without dryer (Coldset). To be able to use the cleaning agent on the cleaning system on MAN Roland and KBA newspaper presses, you need an approval by the press manufacturers, too.

- Eurostar 75W (DC Druck Chemie) for Newspaper presses general / Manroland AG<sup>1)</sup> / KBA (conv. blankets)
- Solstar 4105 (Solco) for Newspaper presses general / KBA (conv. blankets)
- Schnellreiniger 220 212 (Vegra) for Newspaper presses general / Manroland AG<sup>1)</sup> / KBA (conv. blankets + Minigap)
- Schnellreiniger 220 215 (Vegra) for Newspaper presses general / KBA (conv. blankets)
- Schnellreiniger 220 063 (Vegra) for Newspaper presses general / Manroland AG<sup>1)</sup> / KBA (conv. blankets + Minigap)
- Rotowash 80 (DS Druckerei Service) for Newspaper presses general / KBA (conv. blankets)
- Anchor 410 (Anchor) for Newspaper presses general / KBA (conv. blankets)
- Böttcherin 80 (Felix Böttcher) for Newspaper presses general / KBA (conv. blankets)
- Böttcherin 100 (Felix Böttcher) for Newspaper presses general / Manroland AG<sup>1)</sup> / KBA (conv. blankets)
- printcom wash 205B - filterable (printcom) for Newspaper presses general / Manroland AG<sup>1)</sup>
- printcom wash 407X (printcom) for Newspaper presses general / Manroland AG

<sup>1)</sup> MAN Roland: Approved, with the exception of the blanket MBB Day EP861

## Operating supplies

### 2.0 Softening agent

(also see the Safety Data Sheet by the manufacturers concerned)

A softening agent is to be added to the washing water of the Automatic Cloth cleaning system.  
(depending on the water quality approx. 1-2 %)

**Check the type of the water softener to be used with BALDWIN.**

This water softener reduces the surface tension of the washing water and also increases its washing efficiency.

- Prevents the water from splashing
- detaches slight troublesome piled-up paper coatings
- counteracts deposits of calcium carbonate on the blanket
- no formation of algae and/or fungi in the water storage tank
- corrosion inhibiting

### 2.1 Table of water softeners cloth system

<b>Geprüfter Wasserzusatz für Tuchwaschanlage: / Approved water softener for Cloth cleaning system:</b> B300/500 <b><u>Bogenoffset allgemein / Sheetfed offset in general</u></b> <b><u>KBA-Planeta RA 72/74 - RA 104/105</u></b> <b><u>KBA-Planeta Grossformat (GF) / Large Format (LF) RA 130...RA 205</u></b>	
<b>Produktname / Product name</b>	<b>Hersteller / Manufacturer</b>
Wasserglätter (Art.-Nr. 03063)	Druck Chemie
Wasserglätter (VP9266)	VEGRA GmbH
Wasserglätter (1605)	DS Druckerei Service
Waterleveller (2005)	DS Druckerei Service
Water Wetting Agent	Anchor
S.T.R.	SOLCO

<b>Geprüfter Wasserzusatz für Tuchwaschanlage: / Approved water softener for Cloth cleaning system:</b> Impact®Flex, Impact®Commerical, Impact®Global, R300/400, B300/500 <b><u>Akzidenz-Rollenoffset allgemein / commercial Web offset in general</u></b> <b><u>Akzidenz-Rollenoffset / commercial web offset Koenig &amp; Bauer AG</u></b> <b><u>Zeitungsdruck allgemein / Newspaper web offset presses general</u></b> <b><u>Bogenoffset / Sheetfed offset MAN-Roland 700 / 900</u></b>	
<b>Produktname / Product name</b>	<b>Hersteller / Manufacturer</b>
Wasserglätter (Art.-Nr. 03063)	Druck Chemie
Wasserglätter (VP9266)	VEGRA GmbH
Wasserglätter (1605)	DS Druckerei Service

Einsatzbereich: Weltweit / Application: Worldwide Market

## Operating supplies

### 3.0 Water quality

BALDWIN will warrant the washing system to work perfectly only when water of perfect quality is used to avoid lime deposits in the system.

#### Attention:

**The water used for washing must have a hardness range and a pH value of**

(see table)

When water of a lower hardness is used, the corrosion hazard is increased. Therefore deionized water, reverse osmosis water or distilled water must not be used.

When water of a higher hardness is used, there may be undesirable lime deposits in the system.

If required, use a suitable water conditioning plant after consulting with BALDWIN.

### 3.1 Water table

General required water qualities:

Test	Nominal value		
	Cloth system Sheetfed / Web commercial	Cloth system Newspaper	Brush system
Appearance	Colourless, clear	Colourless, clear	Colourless, clear
Odour	odourless	odourless	odourless
Algae	Free of Microorganisms	Free of Microorganisms	Free of Microorganisms
Sediment	none	none	none
Conductivity	100 – 600 µS/cm	100 – 600 µS/cm	ca. 400 mS/cm
pH-Value	6 - 7	6 - 7	6 - 7
Total Hardness	4 – 10 °dH 0,7 – 1,8 mmol/l	4 – 10 °dH 90 – 215 ppm 5.3 – 12.6 grains per gallon	7 – 10 °dH
Chloride (Cl <sup>-</sup> )	<25 mg/l	<25 mg/l	max. 25 ppm
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	<25 mg/l	<50 mg/l	max. 50 ppm
Acid-capacity	1,4 – 3,6 mmol/l	-	-
Carbon	4 – 10 °dH	-	7 – 10 °dH
Kalkaggressive Kohlens.	none	-	-
Nitrate (NO <sub>3</sub> <sup>-</sup> )	<25 mg/l	<50 mg/l	-
Iron, total	<0,05 mg/l	<0,1 mg/l	-
Manganese	<0,02 mg/l	<0,01 mg/l	-
Aluminium	<0,05 mg/l	<0,1 mg/l	-
KMnO <sub>4</sub> -Index	<10 mg/l	-	-
Particle size	-	< 0,005 mm (2x10 <sup>-5</sup> inches)	-
Bacteria	-	< 100 cfu/ml	-
Oil and grease	0	0	0
Ammonium (NH <sub>4</sub> )	-	<0,1 mg/l	-
Chlorine	-	<0,1 mg/l	-
HCO <sub>3</sub>	-	<0,1 mg/l	-
Silt density index	-	0	-
Non-carbon	-	-	7 - 10 °dH
Hydrogencarbonat-content	-	-	max. 400 mg/l

## Operating supplies

### 4.0 Washcloth


In order to guarantee an effective operation of the BALDWIN Automatic Cleaners, the washcloth

- <b>"PREPAC"</b> and <b>"DRYPAC"</b> , Color white
or
<b>"SONTARA PrintMaster 8835"</b> , 1. Qualität, Color türkis by "DU PONT"

must be used.

BALDWIN decline any guarantee for any defects at or complaints about the Automatic Cleaner or the printing press that are caused by the use of another washcloth.

### 4.1 Washcloth "Dry cloth"


<b>Type of washcloth</b>	<b>"SONTARA 8835"</b> premium quality, colour turquoise for <b>web commercial</b> and <b>sheetfed</b> presses	<b>"DRYPAC"</b> , colour white for <b>newspaper</b> , <b>web commercial</b> and <b>sheetfed</b> presses
<b>Packing unit</b>	Washcloth in rolled-up condition, 500 m, that you can cut to length and wind it into the supply shafts by means of a washcloth winding device. 5÷6 rolls washcloth wound onto tubes for use in the supply shaft assemblies	5÷6 rolls washcloth wound onto tubes for use in the supply shaft assemblies
<b>Source of supply</b>	Baldwin	
<b>Description</b>	Dry washcloth	
<b>Storing</b>	Store in a dry place	
<b>Storage temperature</b>	./.	
<b>Storage time</b>	./.	
<b>Handling the washcloth</b>	./.	
<b>Disposing of the used washcloth / packing</b>	<p>The applied water and / or solvent as well as the detached dirt are bound in the washcloth.</p>  <p><b>Attention:</b>  <b>Dispose of the used washcloths in accordance with the relevant rules in force (take it to an incineration plant).</b>  <b>The plastic material of the packing is not suitable for incineration; dispose of it separately.</b>  <b>The customer is responsible to get information on the relevant local rules and regulations at the pollution-control agency.</b></p>	

### 4.2 Washcloth "PREPAC"

	Type	Market	Application	Press type	OEM Release
Type of PREPAC washcloth	1646+	Worldwide	Conv. inks	Sheetfed Web commercial Newspaper	MAN, KBA MAN, KBA MAN, KBA
	1700	Worldwide	Conv. inks	Sheetfed	MAN, KBA
	1701	Worldwide	Conv. inks	Newspaper Sheetfed Web commercial	MAN, KBA MAN, KBA MAN, KBA
	1633 UV+	Worldwide	UV-mixed operation	Sheetfed	MAN, KBA
Packing unit	5÷6 rolls (vacuum packed, on tubes) Tubes onto which "washcloth impregnated with solvent" has been wound for use in the supply shaft assemblies				
Source of supply	BALDWIN				
Description	Washcloth impregnated with solvent				
Storing	<p><b>Caution:</b></p> <ul style="list-style-type: none"> <li>- The washcloth is impregnated with flammable solvent</li> <li>- There is no explosion hazard except near open fire.</li> <li>- Max. 200 rolls of washcloth may be stored in unopened condition.</li> <li>- Packed units do not present any explosion hazard unless they are exposed to open fire.</li> <li>- The packed washcloth must not get into contact with materials above 120°C</li> </ul> <p><b>Note:</b> Make sure the wash cloth is stored in a horizontal position.</p> <p>When the washcloth is stored vertically over a prolonged period, the solvent contained in it will centre on the bottom side of the washcloth. Do not open the packing for safety reasons and for longer life of the product. Only open the packing immediately before using the washcloth. Mount the washcloth in the washing unit immediately after having unpacked it. Storage with the packing opened must be on a metal or plastic base, if wood or paper are used the solvent will penetrate into the wood or paper placed underneath.</p>				
Storage temperature	0-50°C (32-122°F) - at 20-100% relative humidity				
Storage time	in packed condition is some 12 months in unpacked condition (on printing press) approx. 1 month.				
Handling the washcloth	<p><b>Attention</b> The solvent is not volatile. When putting down the washcloth roll and / or when touching it, solvent will be transferred. Wipe off the solvent with a dry towel. Wash your hands with a cleaning agent (soap). Wear rubber gloves when handling the washcloth to avoid any irritations of the skin.</p>				
Disposing of the used washcloth / packing	<p>The detached dirt is bound in the washcloth.</p> <p><b>Attention:</b> Dispose of the used washcloths in accordance with the relevant rules in force (take it to an incineration plant). The plastic material of the packing is not suitable for incineration; dispose of it separately. The customer is responsible to get information on the relevant local rules and regulations at the pollution-control agency.</p>				


## Operating supplies

### Appendix: Approved solvents for Cloth Cleaning System

Freigegebene Waschmittel für Tuchwaschanlage B300/500 / Approved solvents for cloth cleaning system B300/500: <b>Bogenoffset / Sheetfed offset</b>	
<b>Einsatzbereich: Weltweit / Application: Worldwide Market</b>  GTW / ABC: Gummituchwaschanlage / Automatic Blanket Cleaner WVE / APW: Farbwalzenwaschanlage / Automatic Press Washer (Ink rollers) DZW / AIC: Druckzylinderwaschanlage / Automatic Impression Roll Cleaner PZW / PRC: Plattenzylinderwaschanlage / Plate Roller Cleaner KBA-Planeta: RA 72/74 - RA 104/105 & Grossformat / Large Format RA 130...RA 205 700: Freigegeben für MAN Roland 700 / Approved for MAN Roland 700 900: Freigegeben für MAN Roland 900 / Approved for MAN Roland 900 751 / 941: Freigegeben für MAN Roland 700 / 900 (ab Serie 751 / 941) / Approved for MAN Roland 700 / 900 (at serial 751 / 941)	


Produktname Product name	Allgemein / General GTW / FWW / DZW ABC / APW / AIC	KBA Planeta RA 74 - 205 GTW / FWW / DZW / PZW ABC / APW / AIC / PRC	Manroland AG 700 / 900 GTW / FWW / DZW ABC / APW / AIC	Hersteller Manufacturer
<b>A III Waschmittel (Flammpunkt 55-100°C)</b>				
<b>A III - solvents: (Flash point 55-100°C)</b>				
A 330	✓	✓	-	Anchor
A 331	✓	✓	-	Anchor
ABC Orange	✓	-	✓700 /900	ABC Chemical Company Ltd.
ABC/Alid Orange Wash	✓	-	✓700 /900	ABC/Alid Pressroom Products
Aim 62 C	✓	-	-	AIM Group Australasia Pty. Ltd.
Allied Orange Wash	✓	-	✓700 /900	Allied Pressroom Chemistry
Anchor A 309	✓	-	✓700 /900	Anchor
Anchor A 310	✓	✓	✓700 /900	Anchor
Anchor A 310 SP	✓	✓	✓700 /900	Anchor
Appro HMK 1 WM	✓	✓	✓700 /900	Hydro Dynamic Products
Auto 8060	✓	-	-	GB Graphics,Ltd
Autowash	✓	-	✓700 /900	ABC Chemical Company Ltd.
Autowash 126 E	✓	✓	-	Atécé Graphic Products
Autowash 126 G	✓	✓	✓700 /900	Atécé Graphic Products
Autowash 206	✓	-	✓700 /900	Goldeneye
B-Matic Wash A III	✓	-	✓700 /900	Huber GmbH
Blue wash RS 162	✓	✓	✓700 /900	Blue print products
Blue wash RS 102	✓	✓	✓700 /900	Blue print products
Blue wash FS 160	✓	✓	✓700 /900	Blue print products
Blue wash FS 100	✓	✓	✓700 /900	Blue print products
Böttcherin 60	✓	✓	✓700 /900	Böttcher
Böttcherin 600	✓	✓	✓700 /900	Böttcher
Böttcherin 6003	✓	✓	✓700 /900	Böttcher
Böttcherin 6004	✓	✓	✓700 /900	Böttcher
Böttcherin 80	✓	✓	✓700 /900	Böttcher
Böttcherin 800	✓	✓	✓700 /900	Böttcher
Böttcherin C-29	✓	✓	✓700 /900	Böttcher
BVC Blanket and Roller Cleaning Solution	✓	✓	✓700	Boss Grahic Supplies
CPS Blanket Wash S	✓	-	-	CPS Chemical Products
Deltawash D 60 WM	✓	-	-	Delta Pressroom Products
Dissolin PEL	✓	✓	✓700 /900	PRISCO Europe Ltd.
Digitech 700	✓	✓1)	✓700 /900	Deleet Merchandising Group / Prisco (Printers Service)

## Operating supplies

Freigegebene Waschmittel für Tuchwaschanlage B300/500 / Approved solvents for cloth cleaning system B300/500: <b>Bogenoffset / Sheetfed offset</b>	
<b>Einsatzbereich: Weltweit / Application: Worldwide Market</b>	
<small>GTW / ABC: Gummituchwaschanlage / Automatic Blanket Cleaner  WWE / APW: Farbwalzenwaschanlage / Automatic Press Washer (Ink rollers)  DZW / AIC: Druckzylinderwaschanlage / Automatic Impression Roll Cleaner  PZW / PRC: Plattenzylinderwaschanlage / Plate Roller Cleaner  KBA-Planeta: RA 72/74 - RA 104/105 &amp; Grossformat / Large Format RA 130...RA 205  700: Freigegeben für MAN Roland 700 / Approved for MAN Roland 700  900: Freigegeben für MAN Roland 900 / Approved for MAN Roland 900  751 / 941: Freigegeben für MAN Roland 700 / 900 (ab Serie 751 / 941) / Approved for MAN Roland 700 / 900 (at serial 751 / 941)</small>	


Produktname Product name	Allgemein / General GTW / FWW / DZW ABC / APW / AIC	KBA Planeta RA 74 - 205 GTW / FWW / DZW / PZW ABC / APW / AIC / PRC	Manroland AG 700 / 900 GTW / FWW / DZW ABC / APW / AIC	Hersteller Manufacturer
<b>A III Waschmittel (Flammpunkt 55-100°C)</b> <b>A III - solvents: (Flash point 55-100°C)</b>				
Euroclean 60	✓	✓	✓700 /900	BECA Grafic S.A.
Eurostar 65 / 1.0	✓	-	✓700 /900	DC DruckChemie
Eurowash	✓	✓	✓700 /900	Recordgraf / Samor Italy
Eurowash 265	✓	-	✓700	Sauer Druckwalzenfabrik
G60 Wash	✓	✓	✓700 /900	PCO
GCH 5407/3	✓	-	-	Unitrade Kennermerland B.V.
Gummituchwaschm.GU 63 E	✓	✓	✓700 /900	Helmut Siegel GmbH & Co.KG
Gummituchwaschm.GU 63 G	✓	✓	✓700 /900	Helmut Siegel GmbH & Co.KG
Gummituchwaschm.GU 63 GF	✓	✓	✓700 /900	Helmut Siegel GmbH & Co.KG
H - 15	✓	-	✓700 /900	Helsingborgs HIAB
Hacowash 13	✓	✓	✓700 /900	Hausleiter Druckhilfsmittel GmbH&Co.
Hacowash 23	✓	✓	✓700 /900	Hausleiter Druckhilfsmittel GmbH&Co.
HMK Wash 1	✓	✓	✓700 /900	TechNova Imaging
Infinity Wash HMK 1 WM	✓	✓	✓700 /900	Tower Products Inc.
Inkermatic Super G	✓	✓	✓700 /900	Rabbi & C. Solved s.r.l.
Laveur B	✓	-	-	Graph Imprim
Litho-Wash 8	✓	-	-	ANI Printing Inks GmbH
Lotus Wash AIII	✓	-	✓700 /900	Huber GmbH
Mirific Autowash FA	✓	-	✓700 /900	Abudawool Ind. Co.
MP 60 Wash	✓	-	✓700 /900	MP Chemicals KG
Megawash A 60	✓	✓	✓900	Toyochem Printing Chemical
Pinnacle Wash	✓	✓1)	-	KNAB Industries
Premium wash 60	✓	✓	✓700 /900	Day Int.
Prima Autowash FX	✓	-	✓700 /900	Ultrachem, Ltd.
Prima Autowash FX Star	✓	-	✓700 /900	Ultrachem, Ltd.
Prima Autowash FX WM	✓	✓1)	✓700 /900	Ultrachem, Ltd.
Print Wash 660	✓	✓	✓700 /900	imaf
Print Wash 660-34	✓	-	✓700 /900	imaf
Prontosol A III	✓	✓	✓700 /900	Neuber GmbH
Prontosol A III	✓	✓	✓700 /900	Brenntag CEE
Reiniger B *	✓	✓	-	Xsys
Ronabal E	✓	✓	✓700	Donauchem Handelsgesellschaft m.b.H
Ronaplast E	✓	✓	✓700	Donauchem Handelsgesellschaft m.b.H
Rotowash 60	✓	✓	✓700	DS Druckerei Service
Rotowash 60 1010	✓	✓	-	DS Druckerei Service

## Operating supplies

Freigegebene Waschmittel für Tuchwaschanlage B300/500 / Approved solvents for cloth cleaning system B300/500: <b>Bogenoffset / Sheetfed offset</b>	
<b>Einsatzbereich: Weltweit / Application: Worldwide Market</b>	
<p>GTW / ABC: Gummituchwaschanlage / Automatic Blanket Cleaner          WWE / APW: Farbwalzenwaschanlage / Automatic Press Washer (Ink rollers)          DZW / AIC: Druckzylinderwaschanlage / Automatic Impression Roll Cleaner          PZW / PRC: Plattenzylinderwaschanlage / Plate Roller Cleaner          KBA-Planeta: RA 72/74 - RA 104/105 &amp; Grossformat / Large Format RA 130...RA 205          700: Freigegeben für MAN Roland 700 / Approved for MAN Roland 700          900: Freigegeben für MAN Roland 900 / Approved for MAN Roland 900          751 / 941: Freigegeben für MAN Roland 700 / 900 (ab Serie 751 / 941) / Approved for MAN Roland 700 / 900 (at serial 751 / 941)</p>	


Produktname Product name	Allgemein / General GTW / FWW / DZW ABC / APW / AIC	KBA Planeta RA 74 - 205 GTW / FWW / DZW / PZW ABC / APW / AIC / PRC	Manroland AG 700 / 900 GTW / FWW / DZW ABC / APW / AIC	Hersteller Manufacturer
<b>A III Waschmittel (Flammpunkt 55-100°C)</b>				
<b>A III - solvents: (Flash point 55-100°C)</b>				
Schnellreiniger 220063	✓	✓	✓700	VEGRA
Schwego Mat 8443	✓	✓	-	Bernd Schwegmann GmbH & Co.KG
Schwego Mat 8444	✓	✓	-	Bernd Schwegmann GmbH & Co.KG
Schwego Mat 8445	✓	✓	-	Bernd Schwegmann GmbH & Co.KG
Simatec VP 803	✓	-	-	Silbermann
Shellsol cleaner IC-1	✓	✓	✓700	Shell Chemicals Europe
Silver wash 60 Plus	✓	✓	✓700 /900	Chimicia
Solstar 4062	✓	-	✓700 /900	SOLCO
Solstar 4065	✓	✓	✓700 /900	SOLCO
Solstar 4065 E	✓	✓	✓700 /900	SOLCO
Solstar 4066	✓	✓	-	SOLCO
Superklin	✓	✓	✓700 /900	graphokem spa
Spectrum clear 4590	✓	✓	✓700 /900	Openshaw
Spectrum 4560	✓	✓1)	-	Goldeneye
Spezialwaschmittel 63 E	✓	✓	✓700 /900	Helmut Siegel GmbH & Co.KG
Tecnoclean AIII	✓	✓	✓700 /900	Tecnographica SRL
Ultra AA Wash	✓	✓	✓700 /900	ABC Chemical Company
Ultra AA Wash	✓	✓	✓700 /900	Alied Pressroom Products
Ultra AA Wash	✓	✓	✓700 /900	ABC / Alied Pressroom Products
Uniclean 65	✓	✓	-	Brenntag CEE GmbH
Uniclean 65	✓	✓	-	Neuber GmbH
Unicum 65 LPW/1	✓	-	-	Magin Holland B.V.
Unilith Dailywash	✓	✓	✓700 /900	Tetterode
Uniclean N-VOC	✓	✓1)	-	Brenntag
Uniwash 4 G	✓	✓	✓700 /900	DC DruckChemie
Uniwash 4 G 4.0	✓	✓	✓700 /900	DC DruckChemie
V-60 plus	✓	✓	✓700 /900	Day Int.
Wash IM / 660	✓	-	-	M.G.F s.r.l
Wash V 60	✓	✓	✓700	Day Int.
Wash 9100	✓	✓	✓700 /900	Graphlito SRL

## Operating supplies

Freigegebene Waschmittel für Tuchwaschanlage B300/500 / Approved solvents for cloth cleaning system B300/500: <b>Bogenoffset / Sheetfed offset</b>	
<b>Einsatzbereich: Weltweit / Application: Worldwide Market</b>	
<p>GTW / ABC: Gummituchwaschanlage / Automatic Blanket Cleaner          WVE / APW: Farbwalzenwaschanlage / Automatic Press Washer (Ink rollers)          DZW / AIC: Druckzylinderwaschanlage / Automatic Impression Roll Cleaner          PZW / PRC: Plattenzylinderwaschanlage / Plate Roller Cleaner          KBA-Planeta: RA 72/74 - RA 104/105 &amp; Grossformat / Large Format RA 130...RA 205          700: Freigegeben für MAN Roland 700 / Approved for MAN Roland 700          900: Freigegeben für MAN Roland 900 / Approved for MAN Roland 900          751 / 941: Freigegeben für MAN Roland 700 / 900 (ab Serie 751 / 941) / Approved for MAN Roland 700 / 900 (at serial 751 / 941)</p>	


Produktname Product name	Allgemein / General GTW / FWW / DZW ABC / APW / AIC	KBA Planeta RA 74 - 205 GTW / FWW / DZW / PZW ABC / APW / AIC / PRC	Manroland AG 700 / 900 GTW / FWW / DZW ABC / APW / AIC	Hersteller Manufacturer
<b>A III Waschmittel (Flammpunkt 55-100°C)</b> <b>A III - solvents: (Flash point 55-100°C)</b>				
Washtex 600	✓	✓	✓ 700 / 900	Texprint s.r.l.
Winwash A 60	✓	✓	✓ 700 / 900	PCO
Winwash A 60	✓	✓	✓ 700 / 900	Optima
Xtra Wash Plus 60	✓	✓	-	AGFA Geveart
Xtra Wash 60	✓	-	✓ 700	Phoenix Xtra Print GmbH
<b>Hochsieder: (Flammpunkt &gt; 100°C)</b> <b>High boiling point solvents: (Flash point &gt; 100°C)</b>				
Böttcherin 100 *	✓	✓	✓ 700 / 900	Böttcher
Böttcherin 1000 *	✓	✓	✓ 700 / 900	Böttcher
Crystal Wash *	✓	✓	✓ 700 / 900	Day Int.
Eurostar NV *	✓	✓	-	DC Druck Chemie
Non V.O.C. Wash	✓	-	✓ 700 / 900	Day Int.
Prepac 1646+	✓	✓	✓ 700 / 900 / 200	Baldwin
Prepac 1700	✓	✓	✓ 700 / 900 / 200	Baldwin
Prepac 1701	✓	✓	✓ 700 / 900 / 200	Baldwin
Printcom Wash 407 X	✓	-	✓ 700 / 900	Printcom
Rotowash 100 *	✓	✓	✓ 700 / 900	DS Druckerei Service
Schnellreiniger 220212	✓	-	✓ 700	VEGRA
Solstar 4100 *	✓	✓	✓ 700 / 900	SOLCO
Sun wash CS H8873 *	✓	-	✓ 700 / 900	Hartmann Druckfarben GmbH
Ultra Low VOC Wash	✓	-	✓ 700 / 900	Hydro Dynamic Products LTD
VOC-Free Pressroom Cleaner Green 200 400 Zi *	✓	✓	-	VEGRA
<b>UV-Waschmittel:</b> <b>UV-solvents:</b>				
<b>reiner UV-Betrieb: / pure UV-operation:</b>				
<b>Flammpunkt 55-100°C / Flash point 55-100°C</b>				
A-1310 UV	✓	✓	✓ 941	Anchor
Balkleen UV *	✓	✓	-	DC DruckChemie
Böttcherin UV – 60 S *	✓	✓	-	Böttcher
Solstar UV 1076	✓	-	✓ 941	SOLCO
UV Wash 1076	✓	-	✓ 941	DS Druckerei Service
<b>Flammpunkt &gt;100°C / Flash point &gt; 100°C</b>				
SchwegoMat 8455 UV *	✓	-	-	Schwegmann

## Operating supplies

Freigegebene Waschmittel für Tuchwaschanlage B300/500 / Approved solvents for cloth cleaning system B300/500: <b>Bogenoffset / Sheetfed offset</b>	
<b>Einsatzbereich: Weltweit / Application: Worldwide Market</b>	
<p>GTW / ABC: Gummituchwaschanlage / Automatic Blanket Cleaner          WWE / APW: Farbwalzenwaschanlage / Automatic Press Washer (Ink rollers)          DZW / AIC: Druckzylinderwaschanlage / Automatic Impression Roll Cleaner          PZW / PRC: Plattenzylinderwaschanlage / Plate Roller Cleaner          KBA-Planeta: RA 72/74 - RA 104/105 &amp; Grossformat / Large Format RA 130...RA 205          700: Freigegeben für MAN Roland 700 / Approved for MAN Roland 700          900: Freigegeben für MAN Roland 900 / Approved for MAN Roland 900          751 / 941: Freigegeben für MAN Roland 700 / 900 (ab Serie 751 / 941) / Approved for MAN Roland 700 / 900 (at serial 751 / 941)</p>	

Produktname Product name	Allgemein / General GTW / FWW / DZW ABC / APW / AIC	KBA Planeta RA 74 - 205 GTW / FWW / DZW / PZW ABC / APW / AIC / PRC	Manroland AG 700 / 900 GTW / FWW / DZW ABC / APW / AIC	Hersteller Manufacturer
<b>UV-Waschmittel: UV-solvents:</b>				
<b>UV- Mischbetrieb: / UV-mixed operation:</b>				
<b>Flammpunkt 55-100°C / Flash point 55-100°C</b>				
A-1310 UV	✓	✓	✓751 /941	Anchor
BVD Blanket &Roller	✓	✓74/106/105U	-	BOSS Graphic Supplies
Böttcherin UV – 60 S *	✓	✓	-	Böttcher
Printcom Wash 701 X combi	✓	-	✓	Printcom
E 9039/1	✓	✓	✓700 / 900	Day
Hydrosolv A III	✓	✓74/106/105U	✓700 /900	Day Int.
Solstar UV 1076	✓	✓	✓751 /941	SOLCO
Sun wash A 1310	✓	✓	✓751 /941	Sun Chemical
Sun Wash UV AIII H 8802	✓	✓	✓751 /941	Hartmann Druckfarben
UV Wash 1076	✓	-	-	DS Druckerei Service
Wash Max UVC 60.30 MI	✓	✓	✓751 /941	Pressmax
<b>Flammpunkt &gt;100°C / Flash point &gt; 100°C</b>				
A-1400 UV *	✓	✓	✓700 /900	Anchor
NBR Wash UV 4351 *	✓	✓	✓700 /900	Fuji Hunt
Solstar UV 1100 *	✓	✓	✓700 /900	SOLCO
Schnellreiniger 939 *	✓	-	-	VEGRA
Prepac 1633 UV+	✓	✓	✓700 / 900 / 200	Baldwin
UV Wash 1810 *	✓	✓	✓700 /900	DS Druckerei Service

## Operating supplies

Freigegebene Waschmittel für Tuchwaschanlage B300/500 / Approved solvents for cloth cleaning system B300/500: <b>Bogenoffset / Sheetfed offset</b>	
<b>Einsatzbereich: Weltweit / Application: Worldwide Market</b>	
<small>GTW / ABC: Gummituchwaschanlage / Automatic Blanket Cleaner          WVE / APW: Farbwalzenwaschanlage / Automatic Press Washer (Ink rollers)          DZW / AIC: Druckzylinderwaschanlage / Automatic Impression Roll Cleaner          PZW / PRC: Plattenzylinderwaschanlage / Plate Roller Cleaner          KBA-Planeta: RA 72/74 - RA 104/105 &amp; Grossformat / Large Format RA 130...RA 205          700: Freigegeben für MAN Roland 700 / Approved for MAN Roland 700          900: Freigegeben für MAN Roland 900 / Approved for MAN Roland 900          751 / 941: Freigegeben für MAN Roland 700 / 900 (ab Serie 751 / 941) / Approved for MAN Roland 700 / 900 (at serial 751 / 941)</small>	

Produktname Product name	Allgemein / General GTW / FWW / DZW ABC / APW / AIC	KBA Planeta RA 74 - 205 GTW / FWW / DZW / PZW ABC / APW / AIC / PRC	Manroland AG 700 / 900 GTW / FWW / DZW ABC / APW / AIC	Hersteller Manufacturer
<b>Hybrid-Waschmittel: (Flammpunkt &gt; 100°C)</b> <b>Hybrid-solvents: (Flash point &gt; 100°C)</b>				
A 1410 UV	✓	-	-	Anchor
Böttcherin Hybrid	✓	✓	✓700 / 900	Böttcher
Hybrid 4.0	✓	-	-	DC Druck Chemie
E 9039/1	✓	✓	✓700 / 900	Day
Novasol HB 10 *	✓	✓1)	-	DS Druckerei Service
Schnellreiniger 939 *	✓	-	-	VEGRA

<sup>1)</sup> Keine Freigabe für Walzen der Fa. Westland / No approval given for rollers manufactured by the Westland company

\* Mit Stern markierte Waschmittel sind bezüglich Einsatz in automatischen Waschanlagen BALDWIN nur mit der Option "Zweispühdrukregelung" für RA 74 / RA105-U und RA 105-2 zu empfehlen.


Als Faustregel gilt: Zweispühdrukregelung als Option empfohlen beim Einsatz von

- UV-Waschmittel (reiner UV- und Mischbetrieb)
- Hybrid-Waschmittel
- Hochsieder
- Waschmittel auf Pflanzenölbasis
- Dyn. Viskosität: > 2,6 mPa (20°C) Zu entnehmen aus Sicherheitsdatenblatt

\* With an "\*" marked solvents are only recommended for the usage in BALDWIN Automatic Cleaner with the option "Pressure regulator (two different pressure settings)" for RA 74 / RA105-U and RA 105-2. Pressure regulator (two different pressure settings) recommended for

- UV-solvents (pure UV and mixed operation)
- Hybrid-solvents
- High boiling point solvents
- Vegetable oil derivatives and preparations based on vegetable oils and their derivative
- Dyn. viscosity: > 2,6 mPa (20°C) See Material safe ty data sheet

## Operating supplies

Freigegebene Waschmittel für Tuchwaschanlage B300/500 / Approved solvents for cloth cleaning system B300/500: <b>Bogenoffset (USA) / Sheetfed offset (US)</b>	
<b>Einsatzbereich USA: Ergänzung zur weltweiten Waschmittelliste</b> <b>Application for US-market: Supplement to the Worldwide Approval List</b>	
<small>           GTW / ABC: Gummituchwaschanlage / Automatic Blanket Cleaner            WWE / APW: Farbwalzenwaschanlage / Automatic Press Washer (Ink rollers)            DZW / AIC: Druckzylinderwaschanlage / Automatic Impression Roll Cleaner            PZW / PRC: Plattenzylinderwaschanlage / Plate Roller Cleaner            KBA-Planeta: RA 72/74 - RA 104/105 &amp; Grossformat / Large Format RA 130...RA 205            700: Freigegeben für MAN Roland 700 / Approved for MAN Roland 700            900: Freigegeben für MAN Roland 900 / Approved for MAN Roland 900            751 / 941: Freigegeben für MAN Roland 700 / 900 (ab Serie 751 / 941) / Approved for MAN Roland 700 / 900 (at serial 751 / 941)         </small>	

Produktname Product name	Allgemein / General GTW / FWW / DZW ABC / APW / AIC	KBA Planeta RA 74 - 205 GTW / FWW / DZW / PZW ABC / APW / AIC / PRC	Manroland AG 700 / 900 GTW / FWW / DZW ABC / APW / AIC	Hersteller Manufacturer
<b>Konventionelle Waschmittel:</b> <i>Conventional solvents: (hydrocarbon based)</i>				
A - Wash	✓	✓	-	Allied
Auto Wash 6000	✓	✓	-	Prisco
Auto Roller Wash	✓	-	-	Posco
Böttcherin HS <sup>4)</sup>	✓	✓	✓700 / 900	Böttcher
Dissolin VF	✓	✓	-	Prisco
Litho solvent 7005	✓	✓	-	Anchor
Feboclean Bio-3 <sup>3)</sup>	✓	✓	✓700 / 900	Böttcher
Prepac 1700 <sup>3)</sup>	✓	✓	✓700 / 900 / 200	Baldwin
Prepac 1701	✓	✓	✓700 / 900 / 200	Baldwin
<b>UV-Waschmittel:</b> <i>UV-solvents:</i>				
<b>reiner UV-Betrieb: / pure UV-operation:</b>				
Balkleen UV *	✓	✓	-	DC DruckChemie
Böttcherin UV 60 – S *	✓	✓	-	Böttcher
<b>UV- Mischbetrieb: / UV-mixed operation:</b>				
Böttcherin UV 60 – S *	✓	✓	-	Böttcher
Böttcherin Hybrid * <sup>3)</sup>	✓	✓	✓700 / 900	Böttcher
Hydrosolv A III	✓	✓74/105/105U	✓700 / 900	Day Int.
A-1400 UV *	✓	✓	✓700 / 900	Anchor
Prepac 1633 UV+ <sup>3)</sup>	✓	✓	✓700 / 900 / 200	Baldwin
<b>Hybrid-Waschmittel:</b> <i>Hybrid-solvents:</i>				
A 1410 UV	✓	✓1)	-	Anchor
Böttcherin Hybrid * <sup>3)</sup>	✓	✓	✓700 / 900	Böttcher
Novasol HB 10 *	✓	✓1)	-	DS Druckerei Service

<sup>1)</sup> Keine Freigabe für Walzen der Fa. Westland / No approval given for rollers manufactured by the Westland company

<sup>3)</sup> Waschmittel darf in Kalifornien eingesetzt werden (VOC Gehalt < 100g/L) /  
Solvent can be used in California (VOC content < 100g/L)

<sup>4)</sup> VOC Gehalt < 30% / VOC content < 30 %

## Operating supplies

Freigegebene Waschmittel für Tuchwaschanlage / Approved solvents for cloth cleaning system: Impact®Flex, Impact®Commerical, R300/400 <b>Akzidenz-Rollenoffset / Commercial Web offset</b>	
<b>Einsatzbereich: Weltweit / Application: Worldwide Market</b>	
GTW / ABC: Gummituchwaschanlage / Automatic Blanket Cleaner WWE / APW: Farbwalzenwaschanlage / Automatic Press Washer (Ink rollers)	

Produktname Product name	Allgemein / General		Manroland AG	KBA Konv. Gummitücher / Conv. blankets	KBA Metalldrucktücher (Minigap) / Metal printing blankets (Minigap)	Hersteller Manufacturer
	GTW / ABC	WWE / APW				
<b>A III Waschmittel (Flammpunkt 55-100°C)</b>						
<b>A III - solvents: (Flash point 55-100°C)</b>						
Anchor A 330	✓	✓	-	-	-	Anchor
Autowash 80	✓	✓	-	-	-	Rycoline
AWC 2000	✓	✓	-	-	-	DC DruckChemie
Masterclean-NVOC	✓	-	✓ <sup>2)</sup>	✓	✓	Brenntag CEE GmbH
Primalogic Autow.50:50WM	✓	✓	-	✓	-	Ultachem Ltd.
<b>Printcomwash 212 P</b>	<b>✓</b>	<b>-</b>	<b>✓</b>			<b>Printcom</b>
Rotoclean-NVOC	✓	-	✓ <sup>2)</sup>	✓	✓	Brenntag CEE GmbH
Rotowash 60-1010	✓	✓	-	-	-	DS Druckerei Service
Rotowash 80	✓	✓	-	✓	-	DS Druckerei Service
Solstar 4066	✓	✓	-	-	-	SOLCO
SchwegoMat 8447	✓	-	✓	✓	-	Bernd Schwegmann GmbH & Co.KG
Sun wash U H8803	✓	✓	-	-	-	Hartmann Druckfarben GmbH
Topkleen E	✓	✓	-	-	-	Rabbi & Solved
Uniclean-NVOC	✓	-	✓ <sup>2)</sup>	✓	✓	Brenntag CEE GmbH
Varn Natural wash	✓	-	✓	✓	✓	Day Int.
Web wash 180	✓	✓	-	-	-	Web Xtras
<b>Nur Farbwalzenwaschen / Only for Automatik press washers (Ink rollers)</b>						
Böttcherin Blau	-	✓	-	-	-	Böttcher
Rapid wash 220063	-	✓	✓	✓	-	VEGRA
Premium Wash 60	-	✓	✓	-	-	Day Int.
Schnellreiniger 220 063	-	✓	✓	-	-	VEGRA
Solstar 4061	-	✓	-	-	-	SOLCO
Universal 60	-	✓	-	-	-	DS Druckerei Service
V-60 plus	-	✓	✓	✓	-	Day Int.
Walzenwaschmittel A III	-	✓	✓	✓	-	DC DruckChemie
WashMax 60.40 NM	-	✓	-	-	-	PressMax
<b>Hochsieder und Reinigungsmittel auf Pflanzenölbasis: (Flammpunkt &gt; 100°C)</b>						
<b>High boiling point solvents and vegetable oil based solvents: (Flash point &gt; 100°C)</b>						
Anchor A 410	✓	-	-	✓	-	Anchor
Anchor A 420	✓	-	-	✓	-	Anchor
Anchor A 430	✓	-	-	✓	-	Anchor
Anchor A 431	✓	-	✓ <sup>2)</sup>	✓	-	Anchor
Anchor A 434	✓	-	-	✓	✓	Anchor
Autowash 100	✓	-	-	-	-	Rycoline Products Inc.
AWC 5000	✓	-	✓ <sup>2)</sup>	✓	-	DC DruckChemie
Balkleen Nature	✓	-	-	-	-	DC DruckChemie

## Operating supplies

Freigegebene Waschmittel für Tuchwaschanlage / Approved solvents for cloth cleaning system: Impact®Flex, Impact®Commercial, R300/400 <b>Akzidenz-Rollenoffset / Commercial Web offset</b>	
<b>Einsatzbereich: Weltweit / Application: Worldwide Market</b>	
GTW / ABC: Gummituchwaschanlage / Automatic Blanket Cleaner WWE / APW: Farbwalzenwaschanlage / Automatic Press Washer (Ink rollers)	

Produktname Product name	Allgemein / General		Manroland AG	KBA Konv. Gummitücher / Conv. blankets	KBA Metalldrucktücher (Minigap) / Metal printing blankets (Minigap)	Hersteller Manufacturer
	GTW / ABC	WWE / APW				
<b>Hochsieder und Reinigungsmittel auf Pflanzenölbasis: (Flammpunkt &gt; 100°C)</b> <b>High boiling point solvents and vegetable oil based solvents: (Flash point &gt; 100°C)</b>						
Böttcherin HS	✓	-	✓	✓	✓	Böttcher
Enviro Wash MI 4301	✓	-	-	✓	-	Fuji Hunt
Enviro Wash MI 4304	✓	-	-	✓	-	Fuji Hunt
Enviro Wash MI 4307	✓	-	-	✓	-	Fuji Hunt
Enviro Wash MI 4309	✓	-	✓ <sup>2)</sup>	✓	-	Fuji Hunt
Eurostar NV	✓	-	✓ <sup>2)</sup>	✓	-	DC DruckChemie
Eurostar NV 5.0	✓	-	✓ <sup>2)</sup>	✓	-	DC DruckChemie
Feboclean BIO 3	✓	-	-	✓	✓	Böttcher
GU 115 E	✓	-	-	✓	✓	Helmut Siegel GmbH & Co. KG
H - 18 Envirom.cleaner	✓	-	-	✓	✓	Helsingborgs HIAB
H - 20 Cocos Cleaner	✓	-	-	-	-	Helsingborgs HIAB
Hydrowash Roto	✓	-	-	✓	-	Agfa-Gevaert N.V
Power clean wash 1.0	✓	-	✓ <sup>2)</sup>	✓	-	Baldwin
Printcom wash 401B	✓	-	✓ <sup>2)</sup>	-	-	printcom
Printcom wash 402B	✓	-	✓ <sup>2)</sup>	-	-	printcom
Printcom wash 406X	✓	-	✓ <sup>2)</sup>	-	-	printcom
Prepac 1646+	✓	-	✓ <sup>2)</sup>	✓	-	Baldwin
Prepac 1701	✓	-	✓	✓	✓	Baldwin
Rotowash 100-1480	✓	-	-	✓	✓	DS Druckerei Service
Rotowash Bio	✓	-	-	✓	✓	DS Druckerei Service
Rotowash Bio 120	✓	-	✓ <sup>2)</sup>	✓	-	DS Druckerei Service
Schnellreiniger 220 212	✓	-	-	✓	✓	VEGRA
Schnellreiniger 220 300	✓	-	✓ <sup>2)</sup>	✓	-	VEGRA
Solstar 4105	✓	-	-	✓	-	SOLCO
Solstar 7000	✓	-	-	✓	-	SOLCO
Solstar 7100	✓	-	-	✓	-	SOLCO
Solstar 7110	✓	-	✓ <sup>2)</sup>	✓	-	SOLCO
Solstar 7111	✓	-	-	✓	✓	SOLCO
Sun wash HS H 8853	✓	-	✓ <sup>2)</sup>	✓	-	Hartmann Druckfarben GmbH
Sun wash 3000	✓	-	✓ <sup>2)</sup>	✓	-	Sun Chemicals Ink Division
Sunwash 2500	✓	-	-	✓	-	Sun Chemicals Ink Division
Topkleen 105	✓	--	-	-	-	Rabbi & Solved
Web wash 3604	✓	-	-	✓	✓	Sun Chemical
WashMax 100.10 MI	✓	-	-	✓	✓	PressMax
WashMax 100.20 Bio	✓	-	✓ <sup>2)</sup>	✓	-	PressMax
Wash IM 820	✓	-	-	-	-	MGF

<sup>2)</sup> MAN Roland: Aus der Freigabe ausgeschlossen ist das Gummituch MBB Day EP861  
MAN Roland: Approved, with the exception of the blanket MBB Day EP861

## Operating supplies

Freigegebene Waschmittel für Tuchwaschanlage / <i>Approved solvents for cloth cleaning system:</i> Impact®Flex, Impact®Commerical, R300/400 <b>Akzidenz-Rollenoffset (USA) / Commercial Web offset (USA)</b> <b>Einsatzbereich USA: Ergänzung zur weltweiten Waschmittelliste</b> <b>Application for US-market: Supplement to the Worldwide Approval List</b>	
GTW / ABC: Gummituchwaschanlage / <i>Automatic Blanket Cleaner</i> WWE / APW: Farbwalzenwaschanlage / <i>Automatic Press Washer (Ink rollers)</i>	

Produktname <i>Product name</i>	Allgemein / <i>General</i>		Manroland AG	KBA Konv. Gummitücher / Conv. blankets	KBA Metalldrucktücher (Minigap) / Metal printing blankets (Minigap)	Hersteller <i>Manufacturer</i>
	GTW / ABC	WWE / APW				
<b>A III Waschmittel (Flammpunkt 55-100°C)</b> <b>A III - solvents: (Flash point 55-100°C)</b>						
7750 – Envirowash 220 SR-WM <sup>4)</sup>	✓	-	-	-	-	FujiFilm Graphic Systems U.S.A., Inc. / Tower
Nova-410 <sup>4)</sup>	✓	-	-	-	-	Nova Pressroom Products
Saphira PW 3209A <sup>4)</sup>	✓	-	-	-	-	Heidelberg
Varn Natural wash	✓	✓	✓	✓	✓	Day Int.
<b>Hochsieder und Reinigungsmittel auf Pflanzenölbasis: (Flammpunkt &gt; 100°C)</b> <b>High boiling point solvents and vegetable oil based solvents: (Flash point &gt; 100°C)</b>						
Anchor A 431	✓	-	✓ <sup>2)</sup>	✓	-	Anchor
Böttcherin HS <sup>4)</sup>	✓	-	✓	✓	✓	Böttcher
Feboclean Bio 3 <sup>3)</sup>	✓	-	-	✓	✓	Böttcher
Prepac 1701	✓	-	✓	✓	✓	Baldwin
Printcom wash 401B	✓	-	✓ <sup>2)</sup>	-	-	printcom
Printcom wash 402B <sup>3)</sup>	✓	-	✓ <sup>2)</sup>	-	-	printcom

<sup>2)</sup> MAN Roland: Aus der Freigabe ausgeschlossen ist das Gummituch MBB Day EP861  
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<sup>3)</sup> Waschmittel darf in Kalifornien eingesetzt werden (VOC Gehalt < 100g/L / Methode 24) /  
*Solvent can be used in California (VOC Content < 100g/L / Method 24)*

<sup>4)</sup> VOC Gehalt < 30% / *VOC content < 30 %*