

Operator Instruction Manual

FKS PrintBind KB 2000

Perfect Binder
Glue-Binding-Machine
for
Hot-Melt-Adhesive:
Cover-Binding
Padding

Issue: 2004 (No:4011120)
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FKS-HAMBURG Ing. Fritz Schroeder GmbH & Co KG
Germany

Delivery & Visitor-Address: 22041 Hamburg, Neumann-Reichardtstr. 38, Building 36

Postal-Address: 22015 Hamburg, Post Box: 70 15 68

Tel: +49 (0)40 73 60 770 Fax: +49 (0)40 73 60 77 22 E-Mail: info@fks-hamburg.de

Internet: www.fks-hamburg.de

Please Note:

**For any more questions than answered in this manual:
Please contact your supplier.**

**For clear description and identification of item:
Please name the Section (10 Sections are available) and
please name the paragraph of Section in mind as well.**

Sections of this manual:

1. General Information
2. Installation
3. Components & Features
4. Name of each part of machine
. Function of each part.
5. How to handle binding
6. Set up of functions
7. Air-Compressor
8. Accessories
9. Technical Specifications
10. Stand Cabinet (Installation)

Important

1. General Information

Air-Compressor (pump)

The air-compressor (pump with tank) must always be in upright position. After unpacking, the pump has to be placed in upright position for 30 minutes before switching on! This allows the oil in pump to move in place. In case pump had been transported and you are not sure about its upright position in transit: Let have rest the pump in upright position for 30 minutes.

During de-installation of pump – prior to any transport - please seal inlets and outlet of pump with caps. Please follow: Section 7 Air-Compressor in this manual carefully!

Positioning of FKS PrintBind KB 2000

Place the FKS PrintBind KB 2000 on perfect horizontal level. In case the FKS stand-cabinet (on rolls) is part of the delivery: Take care that the stand-Cabinet is positioned on horizontal level as well. Please follow Section 2. Installation

Warm-Up time of glue

Take in account that it must be allowed to wait 30 to 40 minutes after switching on the machine to melt the glue up to desired temperature prior to first binding. For limited interruption whilst binding a stand-by position can be selected. (Please follow section 4 and 5.)

2. Installation

Installation of Stand cabinet

The version: "Complete Mounted" please unpack.
It is ready for use.

The version: "Dismantled to be mounted" ...
please unpack and follow the assembly instructions.
These are described on last page of this instruction book.
An assembly instruction can be found in the box of stand cabinet as well.

Installation of: Air-Compressor

Please see important notes in session 1. General Information
and in session 7. Air-Compressor.

Installation of FKS PrintBind KB 2000

Please note session 1. General Information and the following:

Unpack machine, air-compressor and accessory-package.

Place machine on horizontal level / on stand cabinet
Take off transport seals and locking.

Check all components for complete availability.

Follow instruction to assemble, mount, set and adjust in acc. to this
instruction book.

3. Components & Features

1) This perfect binder **FKS PrintBind KB 2000** is designed for professional binding results with hot melt adhesive. The layout of the main components and features are based on **professional standards** and state of the art technology. Special features incorporate unique functions as like as the **spine preparation** for better glue penetration into set of papers. The extremely strong **pneumatic operated clamping** for paper-set and cover-binding creates perfect binding results. Pre-scoring of cover-sheets only is recommended for the upper level of card board qualities. The **heavy duty** construction led to a sturdy layout of the machine for constant use and long life time. The automated operation procedure guarantees equal steps of finishing binding for binding. The human operator only has to take care for correct loading of papers to be bound and cover to be positioned in cover-station.

2) The operation procedure concentrates on pushing buttons for simplicity of use.

3) The unique spine preparation consists of a most modern designed **Slitting Device** in combination with a **Fanning Device** which **slightly fans the spine** (The Fanning Device is not designed for scuffing the spine!) prior to glue attachment.

4) After clamping the set of papers to be bound in right hand positioned clamp device, the whole process of binding incorporates the spine preparation, glue attachment and cover clamping onto the book in one step of operation by simply touch the start-button..

5) This “**One-Touch-Operation**” enables one operator to achieve up to **320 bindings per hour**.

6) Various **safety** features, devices and functions **prevent failures in binding** and make sure a high level of **safety to the operator**.



Safety hood

for coverage of hot glue-assy area and spine preparation device.

By lifting up the Safety Hood the clamp action stops and main drive is out of action..

The glue remains it´s temperature.

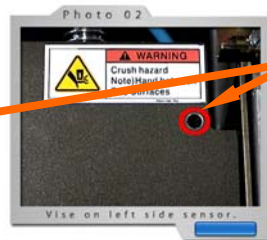
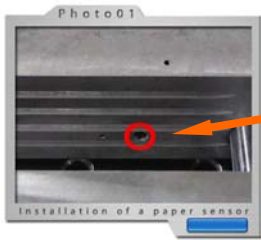
If required the paper can be removed from clamp by touch button on main panel and as well the clamp will return to home position.



Emergency Stop

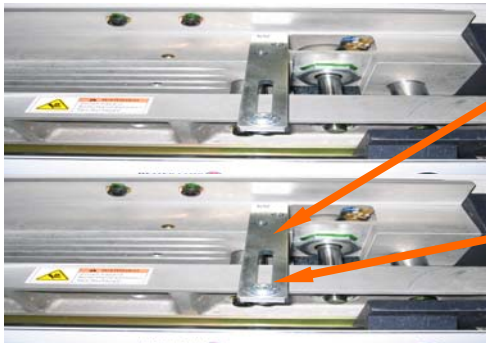
To be used in case of any kind of accident. Main drive will be disengaged.

Further procedure as per description for Safety Hood. Reset by turning the red head on knob.



Paper Sensor in clamp assy

In paper clamp station prevents clamping without paper to be bound positioned between the clamps. Place paper to be bound close onto back side of clamp. Keep the sensor clean from paper dust.



Clamp Opening Stop...

...is factory-set to widest position. In case of serial binding procedure of books with substantial smaller spine it is recommended to set the bolt in front more close to minimize the opening of clamp. A hexagon screw is fixing the bolt. (A driver is included in accessory package). Limiting the clamp opening in acc.to spine of books enables the operator for easier loading of paper-sets into clamp assy.



Open



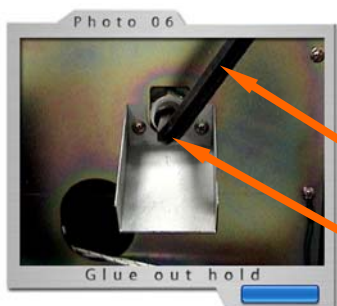
Closed

Cover for Slitting/Fanning Device

Is covered by a sliding coverage whilst clamp is in right position. It opens whilst clamp is moving across and it closed shortly after by pass of clamp. It only is allowed to disengage cover-system by authorized service. The cover system prevents accidents for operator.

Slitting/Fanning-Device is designed that only the upstanding 2 knives are slitting and bending the edge of slit! The "round type of saw "must never touch the spine of book!!! The setting is exactly of level spine for fanning the edges of paper! Function is not scuffing at all!

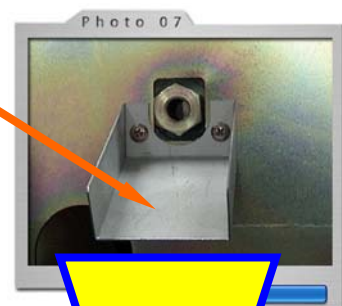
- 7) Taking in account and make use of all safety devices it is possible to **change the glue**.
 The reason might be the choice of another type of glue. Never mix up different types of glue!
 The factory filled glue can be ordered from supplier.
 In case of a wrong set up of temperature for the type of glue in tank the glue might "burn out".
 After very long time of heating without using glue for binding the glue might be overheated.
 In both cases the glue must be changed. (Glue only can be changed in melted condition!)



Outlet of Glue-Tank

Place card board box under shut of outlet. (Steel can might become hot – plastic can might melt!)

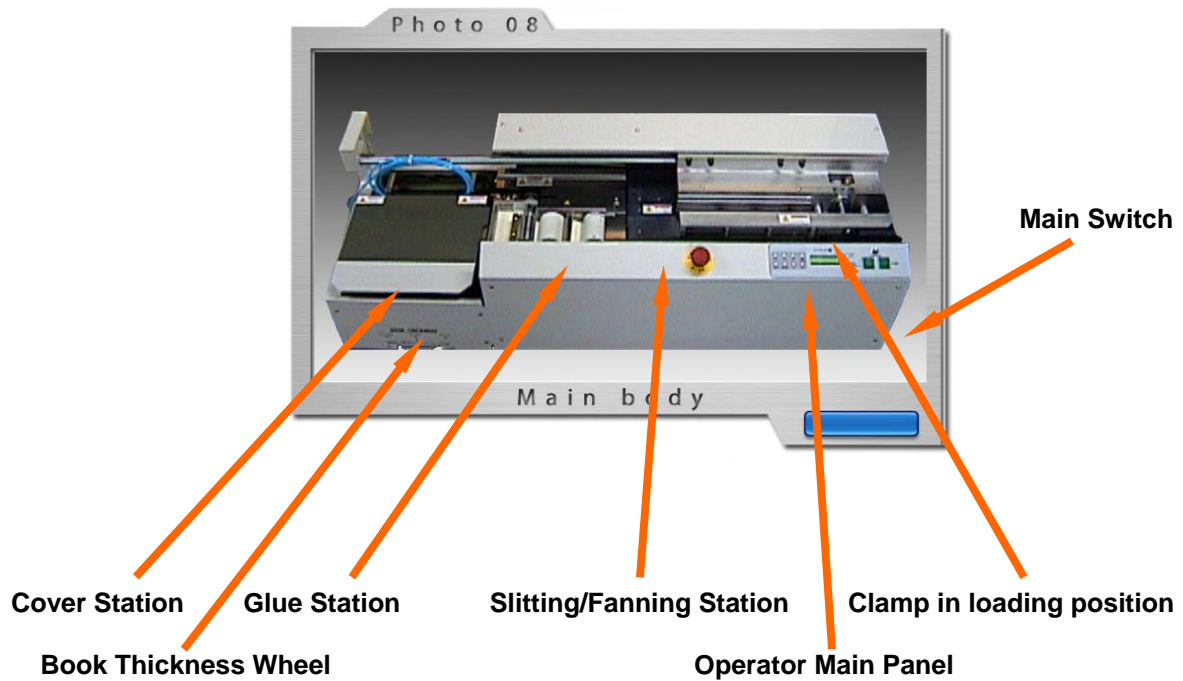
A 10 mm hexagon screw driver is supplied with the accessory package for opening the outlet lock screw.



Release melted glue in card board box. (Not included in accessory-package. (Use any one.)

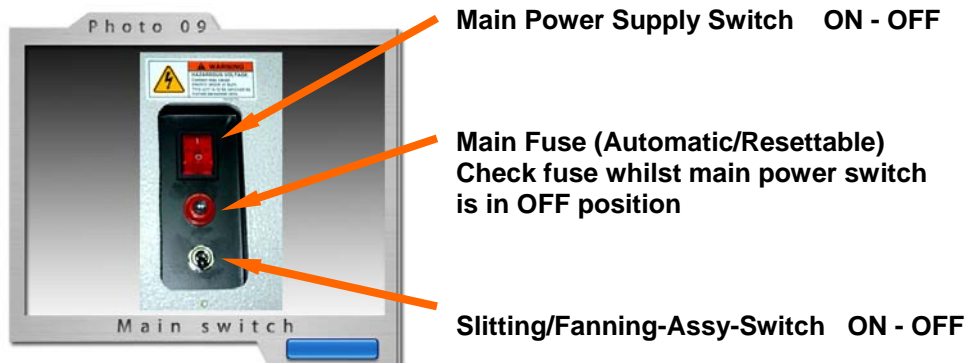
4. Name of each part of machine Function of each part.

1. Main Body and sections

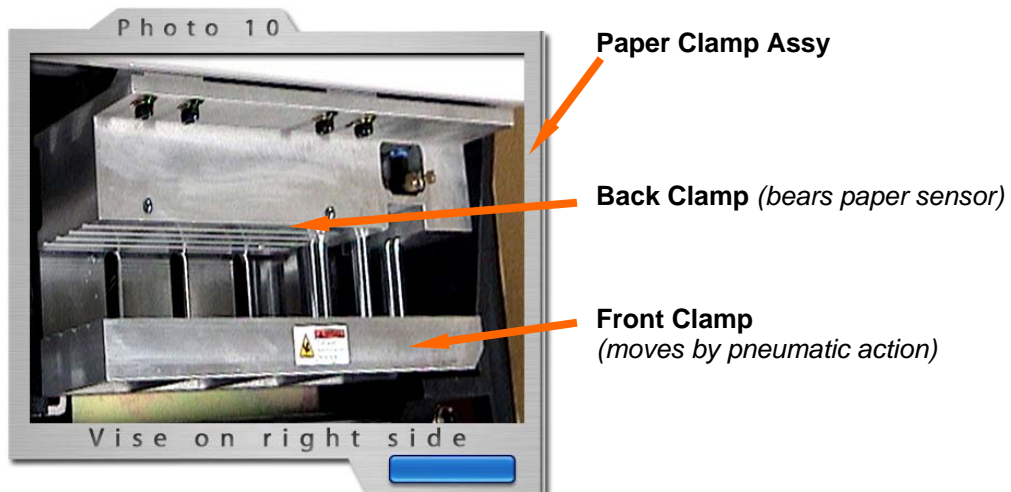


2. Main Switch (panel)

(Positioned on right hand side of machine)



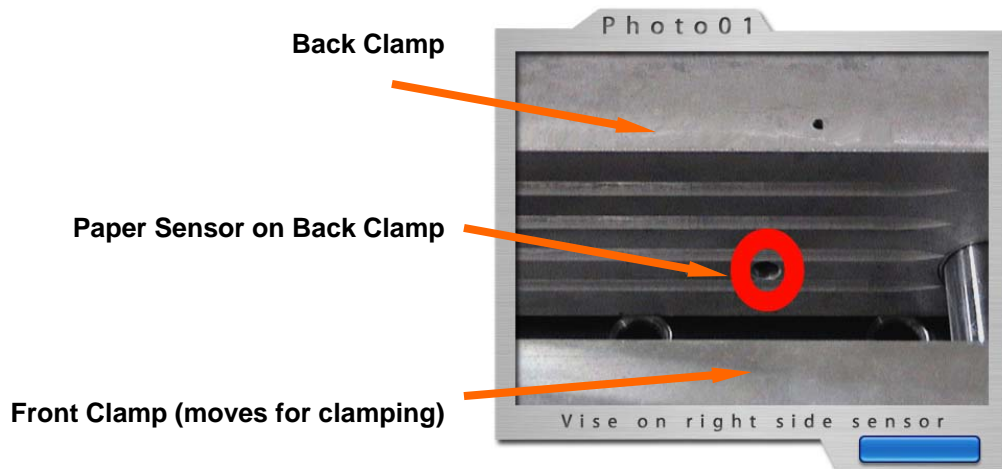
3. Paper- Clamp-Assy (In ground position in right hand side location)



4. Paper- Sensor in Clamp-Assy

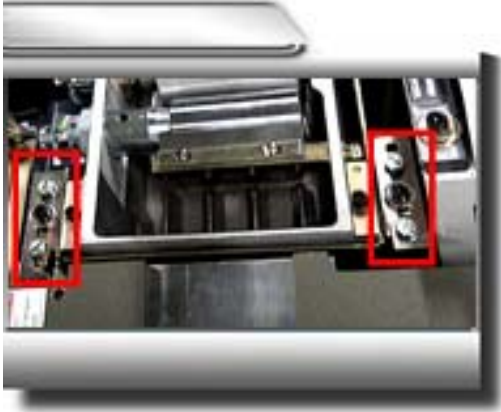
Control: Paper loaded – none loaded.

Clamping and start moving of Clamp Assy possible only if paper is loaded.



5. Cover Positioning Side-Guides

(Position of Guides can be adjusted in correct manner if desired.)

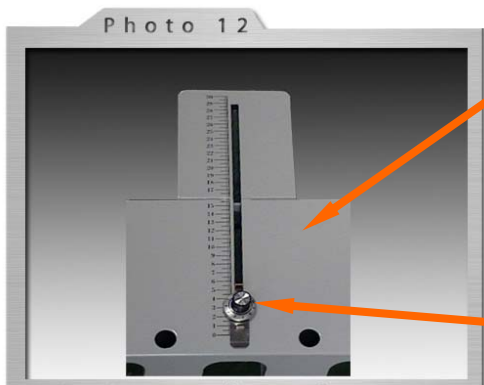


Cover Side Guide assy's (2) (Adjustable if not in correct position)

The cover has to be placed with it's right hand long edge against these guides in order to meet the bound paper-set to be covered in right angle.

6. Cover Top Positioning Guide Assy

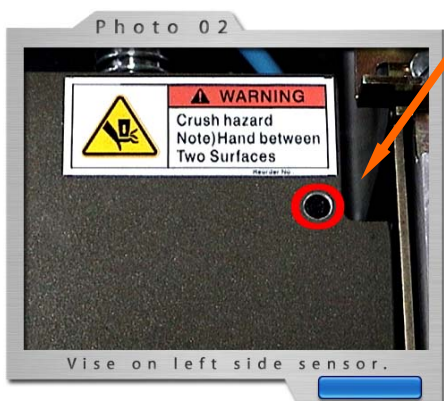
(Position of Stop is related to size of cover)



Cover Top Positioning Guide Assy (to be hooked on whilst installation. It is a content in the accessory package)

Thump screw for positioning the top cover stop.

7. Cover Sensor



Cover Sensor

This Cover Sensor must be covered by cover-sheet for binding.

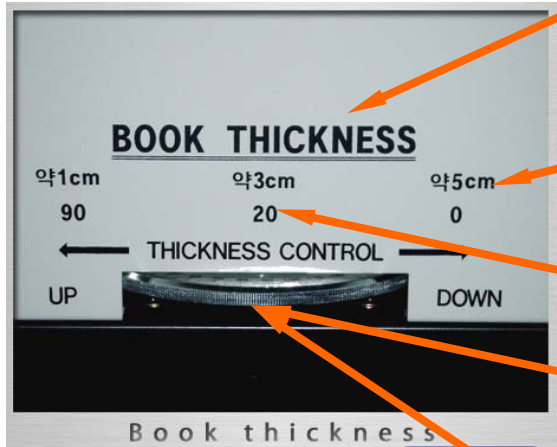
If not covered, the machine will not start clamp moving for binding.

Optional:

If the padding option is installed a Protection-Film has to be positioned instead of a cover sheet. In padding action the cover clamp-device is disengaged. The Protection-Film simulates a cover for the sensor and is a protection for the surface of cover-device. In case by failure a none-cover-book is released too early off clamp and might touch with spine the surface of cover device.

8. Book/Cover Thickness Control

(Adjusting the height position of Cover-Clamp)



Control for individual adjustment in respect to thickness of book and/or thickness of cover-sheet-material.

Average book thickness to be bound:

90 = app. 1 cm thickness of spine of book
20 = app 3 cm thickness of spine of book

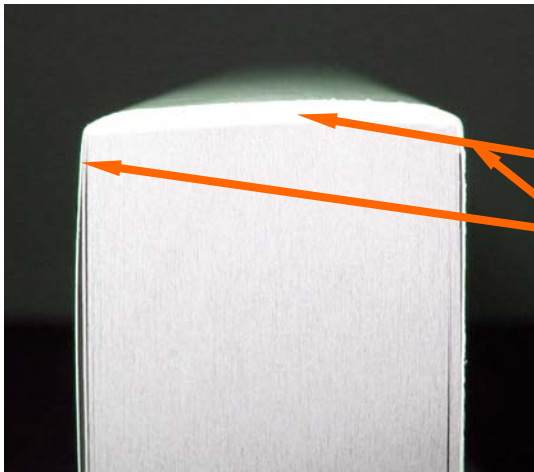
Numbers on scale on Handwheel

Book (Spine) Thickness

Handwheel to be turned to left = UP = thin book or turned to right = DOWN = thick book.

Cover-Sheet Thickness

Handwheel to be turned to left = UP = light weight cover sheet or turned to right = DOWN = heavy weight of cover sheet



Example: Handwheel: Down

Result of adjustment

Thick layer of glue on spine

Remaining glue is slightly pressed sidewise and up between cover and front/back sheets!



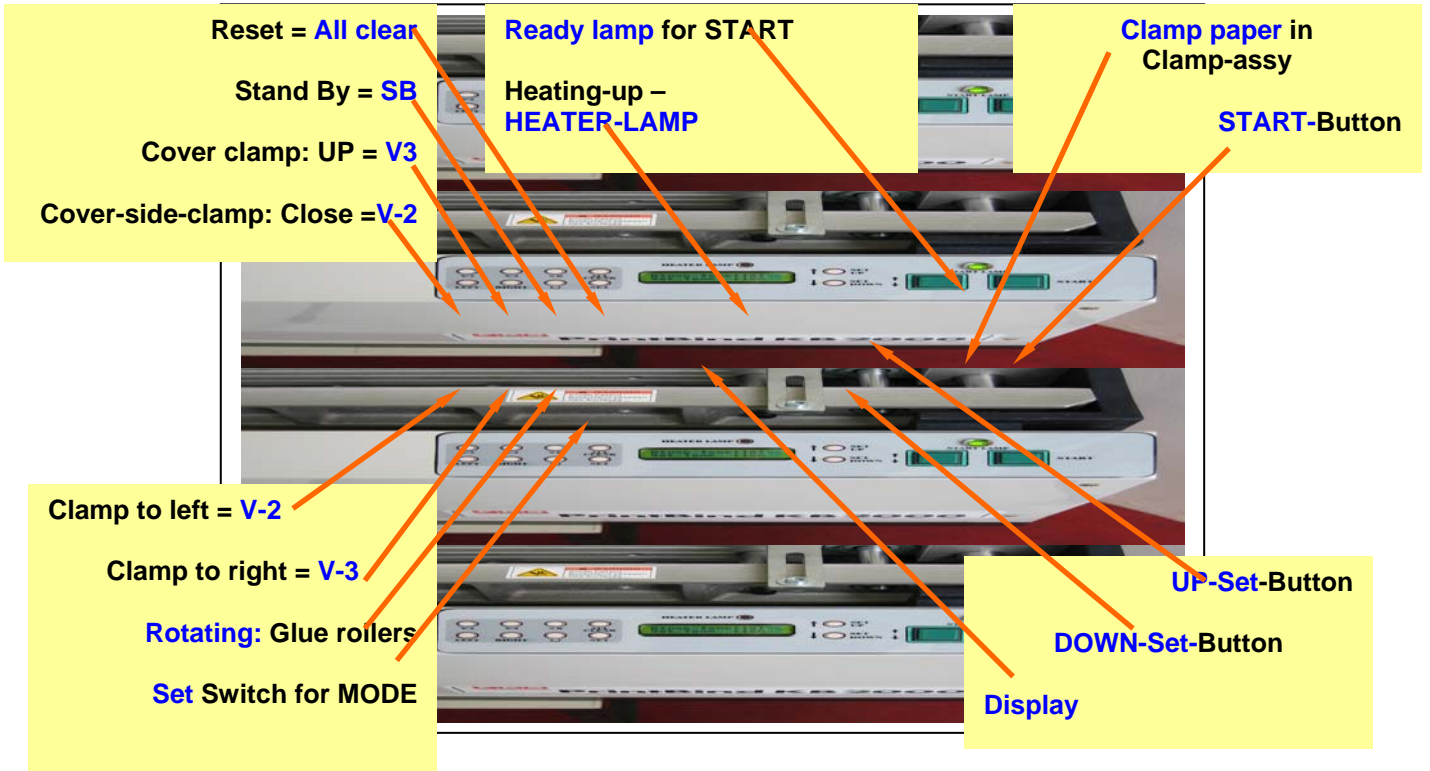
Example: Handwheel: UP

Result of adjustment:

Thin layer of glue on spine.

Remaining glue is slightly pressed sidewise and up between cover and front/back sheets!

9. Main Operating Panel (Control board for binding)



Panel-Indications are shown on next pages:



9.1. Main Operating Panel (Control board for binding)



Main Operating Panel located right hand on front of machine.

Buttons and signal-lights (LED)
Numbers indicate function



Start Button

In case all other functions are set it is possible to start machine with this button straight after loading cover and paper..

1



Clamp Button

Clamps loaded paper in clamp assy. In case paper had been clamped press again for release.

2



Start Indicator Lamp (LED)

Lights **green** : ready to start binding.

3



Time-Up-Button for:

Temperatur-Set: UP

Paper- and Cover-Clamping = UP

= for clamping cover and brochure

(Depends on selection of mode/ function)

4



Time-Down-Button for:

Temperatur-Set: DOWN

Paper- + Cover – Clamping= DOWN =

for clamping cover and brochure

(Depends on selection of function)

5

9.2. Main Operating Panel (Control board for binding)



Heater Lamp

Indicates that glue heating is in ON position

6



Reset (All Clear) Button

*All (pneumatic) clamping actions for paper and cover-device opens.
Counter sets to "0"*

7



Stand-By-Button (Switch)

*First press = glue temperature in stand-by
Second press = stand by released to normal
Stand-by temperature = 130 degree*

8



Button for: Cover clamp up

In cover station the cover press-plate moves up.

9



Button for: Cover side clamp close

In cover station the cover side-pressing plates move onto cover/book.

10

9.3. Main Operating Panel (Control board for binding)



Button: Clamp assy move left

As long as pressed the cpl clamp assy moves in right hand direction.i



Button: Clamp assy move right

As long as pressed the cpl. clamp assy moves in right hand direction.



Button: Manual rotating of glue rollers

As soon as temperature raised up to 130 degree this button allows to start rollers to rotate frequently until the set temperature is reached.



Set Switch for modes

The display shows: **SET TEMP.**

First press: Display changes to **VICE 2** = cover-station.

Now the clamping- and pressing-time in cover station can be adjusted for long or short time by selection of 16 steps from 0 to 15.



Display: LCD

Shows different modes:

BLOCK TEMP = Temperature of glue tank

SET TEMP = desired temperature

COUNT = Counter

VICE 2 = Cover station assy

7

13

14

15

5. How to prepare for Binding Generals



FKS PrintBind KB 2000

Must be placed on **horizontal surface**.
 Plug in 220 –240 V outlet.
 Start machine for heating up.



FKS PrintBind KB 2000 with Stand Cabinet

Or place on special designed **FKS-stand-cabinet** to be supplied from local dealer.
 Air Compressor finds it's place in FKS Stand-Cabinett. Plug in outlet and switch on.
 In right hand side of Cabinet spare glue can be stored



Smoke exhauster (integrated)

should be switched on with switch on right hand side of housing..
 On reverse side of exhauste-housing is the round opening for connexion of a flex-tube to led to outside of room or building. – if required.
 (Flex-tube is not supplied with machine and can be found in local trade.)



Glue Temperature on display

Shows the current temperature in glue-tank by: **Tank Temp :XXX** and the desired and set temperature by: **Set Temp :XXX**
 Power is set after first start of machine, the temperature will raise up to 180 degree shown in display. This does not effect the desired and set temperature of – for example: **170degree C – which is the recommended temperature for glue in tank upon delivery from FKS-HAMBURG..**

The **heating-Up-time** is app. **30 to 40 minutes** after start.
Having reached the desired/set temperature the Glue-rollers revolve 3 times, the beeper signals: "READY" and the start-lamp is lightning. Thereafter the glue-rollers rotate frequently.



Select: Cover Binding Mode by: **Padding OFF**
 Select by button: SET



Adjust time of clamp release (for cover binding + padding)

Push button: **Set**

Display shows = "**Vice 2-Time:**" or "**Finish Time:**"

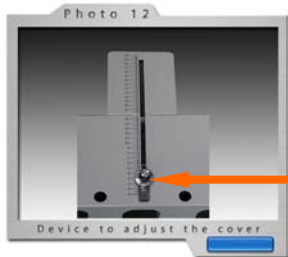
Push button: **Set Up** or **Set Down** for desired time of paper release off clamp.

Set time by 15 steps:

In mode: "**Cover Binding** = 1 Step = app. 0,7 seconds

In mode: "**Padding**" = 1 Step = 5 seconds

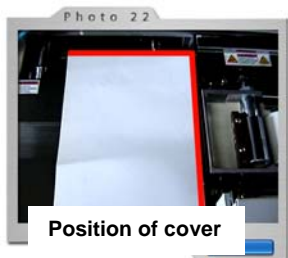
5.1. How to handle Cover-Binding



Device to set cover

Has to be set for correct position of cover sheet in relation of type of book to be bound.

Back-Stop can be unlocked/locked with thumb screw and moved into desired position.



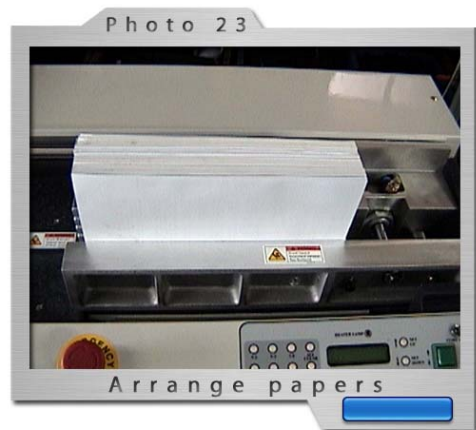
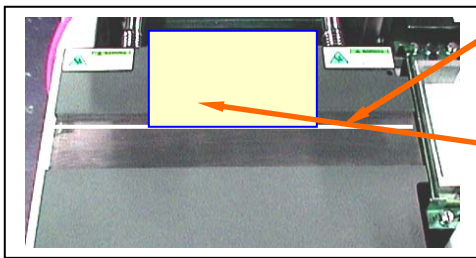
Cover Sheet Position

Place cover sheet correct onto back-device—stop for cover sheet and position the cover sheet onto the guides on right side of cover – close to glue tank.

*Set the cover-sheet with **Back-Stop** so, that the back-fold of cover from finished book is in line with **Indicator-Line** on bottom plate of cover-pressing unit.*

This is easy done in case the front print of cover is in size of inner pages of book. (Final dimension of book):

*A sheet of inner pages of book with edge to be bound, place exact **onto Indicator-Line** and set the back stop against the outer edge of placed inner sheet.*



Load paper to be bound in Clamp-device

Paper to be bound must be positioned in clamp in full right side against the round right hand guide-rod.

The sensor on back clamp must be covered always by paper.

Make sure that all sheets are knocked down to get an even spine and a neat glue appliance.

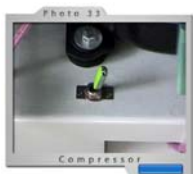
For clamping press the button for compression (No 2, see section 4)

And start the binding procedure by pressing the start-button (No1, see section 4)



For serial binding procedure repeat all steps as described above.

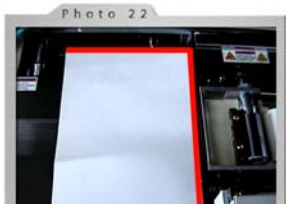
For interruption of binding production it is recommended to switch into Stand-By mode. (See section 4)



In emergency press emergency stop button.

End of binding: Shut off main switches on machine and on air compressor!

5.2. How to handle Padding



Position of sheet for protection

Protect Cover-clamp-station (Finishing Station) by white sheet of card board for:

- 1) Keeping the clamps in finishing station protected by a sheet of cardboard or paper in case a padded binding might fall onto it after release of clamps without holding it by hand!
- 2) The card board or paper must cover the sensor for positioned binding-cover. (simulating a cover). Otherwise the machine does not start!



Select: Padding Mode by: **Padding ON**

Press button: **"Set"**

Display should show: **"Padding On"**

Press button: **"All Clear"** for selection of "Padding OFF" or "Padding On"



Adjust time of clamp release (for padding)

Push button: **Set**

Display shows = **"Vice 2-Time:" or "Finish Time:"**

Push button: **Set Up** or **Set Down** for desired time of paper release off clamp.

Set time by 15 steps:

In mode: "Padding" = 1 Step = 5 seconds

In mode: "Cover Binding" = 1 Step = app. 0,7 seconds



Load paper to be bound in Clamp-device

Paper to be bound must be positioned in clamp in full right side against the round right hand guide-rod.

The sensor on back clamp must be covered always by paper.

Make sure that all sheets are knocked down to get an even spine and a neat glue appliance.

For clamping press the button for compression (No 2, see section 4)

And start the binding procedure by pressing the start-button (No1, see section 4)



In emergency press emergency stop button



For serial binding procedure repeat all steps as described above.

If desired: Shut Off the slitting and milling device. (Production of padded tear-off blocks!)



For interruption of binding production it is recommended to switch into Stand-By mode. (See section 4)

End of binding:

Shut off main switches on machine and on air compressor!

6. SET-UP of Functions

1. Important Information:

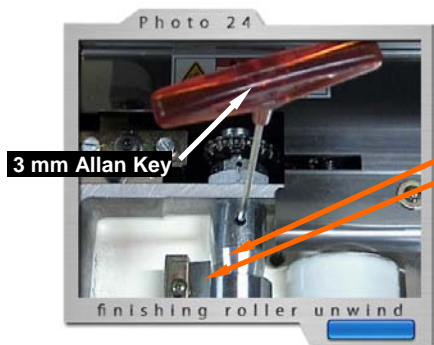
Cleaning of Sensors

The sensor for covers in Cover Station and the sensor for paper in Paper Clamp Assy must be free from dust or other items in order to achieve correct function. Errors might be caused in case sensors indicate something without cover placed, nor paper loaded: In this case the machine might start operation without paper upon start by start-button use.

Only "clean" paper must be bound

In case there are affixed staples or clips or any other subjects onto paper to be bound it might harm the notching/slitting device seriously! Please prevent those items. In case those papers have to be bound please under all circumstances shut off the notching/slitting device by switch on right hand side of machine – next to main switch

2. How to adjust amount of glue on spine



Steps to adjust amount of glue....

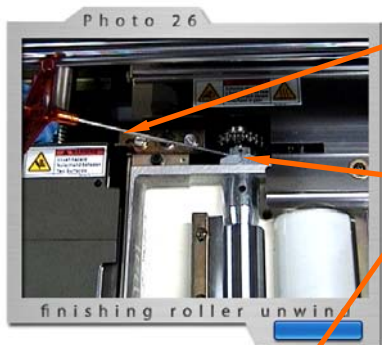
...for thin or thick glue layer on spine of book.
This is a general adjustment in glue-assembly for the **doctor-roller**. The doctor-roller is always clean from glue by its **scraper** and levels the glue layer which had been applied by the 2 glue attachment rollers in the glue-assy.

The height-position of the doctor roller controls the amount of glue which should remain on the spine of book.

How to adjust:

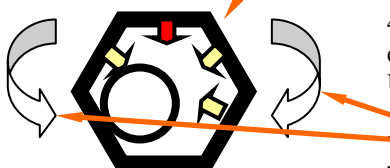
Step: 1

A **3mm Allan Key (hexagon-screw-driver)** (delivered with accessory-package) is used to loose/fix the fixing screw of doctor roller.



Step: 2

The hexagon-shaped adjustment-ring on outer side of glue assy (on shaft of axle of doctor-roller) has an eccentric function by turning.



4 of the 6 flat sides of the surface of the said adjustment-ring are equipped with a centre hole.

Use the 3mm-hexagon driver as a pin for turning the ring.

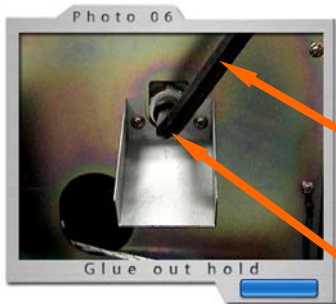
Turn right = **less glue**

Turn left = **more glue**

Standard set: To be seen from top set hole = 1 hole more on left hand side and 2 holes more on right hand side.

3. How to change glue

Taking in account and make use of all safety devices it is possible to **change the glue**. The reason might be the choice of another type of glue. Never mix up different types of glue! The factory filled glue can be ordered from supplier. In case of a wrong set up of temperature for the type of glue in tank the glue might “burn out”. After very long time of heating without using glue for binding the glue might be overheated. In both cases the glue must be changed. (Glue only can be changed in melted condition!)



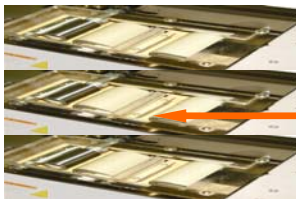
Outlet of Glue-Tank

Place card board box under shut of outlet. (Steel can might become hot – plastic can might melt!)

A 10 mm hexagon screw driver is supplied with the accessory package for opening the outlet lock screw.



Release melted glue in card board box. (Not included in accessory-package.(Use any one.)



Max. Filling-Level of glue in Glue-assy:

Refill glue-substrate max. up to level of screws from **Spine-Scraper** in picture left..

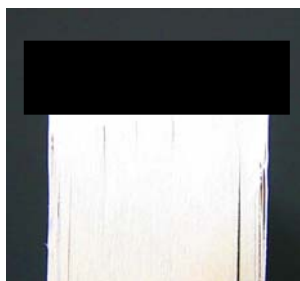
3. How to operate the book thickness control

For main description please see section 4, point 8

The basic set of the handwheel is 90 which is related to a book with spine of 10 mm.

If the spine is smaller = turn the handwheel in UP-direction.

If the spine is thicker = turn the handwheel in DOWN-position.



Spine width and figures on handwheel scale:

Width of spine in mm(app)	figure on handwheel (app)
5	120
10	90
20	70 – 80
30	50 – 60
40	40 - 50
50	30 – 40
60	< 30

4. How to set Temperature



Basic Display Version

If power is switched on, the present temperature is shown in display (LCD).
Shown example = **Block Temp: 085** = (degree C)

The desired and set Temperature:
Shown example = **Set Temp: 140** = (degree C)

Set Temperature

Set desired temperature with button No 4 and No 5 (see above)

The temperature for glue in machine as per factory delivery is set to 170 degree C. (The typical standard.)

The measured temperature is shown on display in steps of 5 degree C

5. How to set time of Cover- Pressing

The time between start of cover-pressing onto spine of book until release of book by opening the clamps which hold the books in cover-Station is adjustable in 16 steps from 0 to 15.



Set Time of Cover-Pressing or Padding

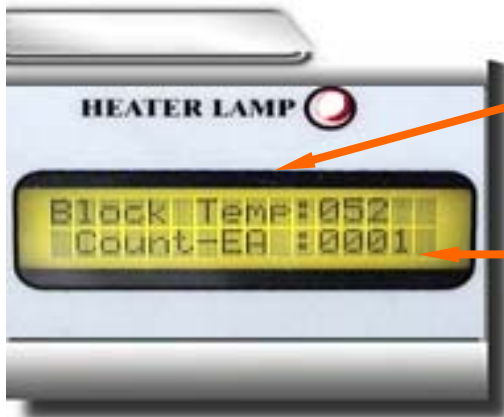
Display shows in first line:
Block Temp: 085 = actual glue-assy temperature = (in heating-up-mode)

Display shows in second line:
Vice2-Time: 08 = set for medium time of pressing and releasing book with cover out of clamp assy in left position (in cover station)

Set of time of pressing:

Press Button No 14 and choose by button No 2 a step between 0 and 15 by selecting the best result.

6. How to read and reset Counter



Read and reset Counter

Display shows in first line:

Block Temp: 025 = actual glue-assy temperature
= (in heating-up-mode)

Display shows in second line:

Count-EA: 0001 = the counter counts from 1 to
any number with 4 digits the books which had
been bound.

Reset of Counter:

Press Button No 14 and Button No 7 for clearing
the counter to 0

Another touch of Button No 7 return the display
back to standard mode.

7. Emergency Switch – Guide-Lines



Emergency Switch

In case there is a jam or accident caused by
operation of machine, please push the
emergency switch.

If so, then:

All movements of machine are stopped.

Turning the red head of the emergency switch
will release it and former mode is set again.

**In case the emergency stop had been
actuated whilst book is clamped in clamp
assy in any position, please do as follows:**

1. Open safety hood.
2. Hold book in clamp by hand.
3. Push button No 2 = clamp opens.
4. Take book out.
5. Press Button No 12 = clamp returns back in
home position. (Right hand / loading
position)

8. Trouble Shooting, more:

Start Switch = Button 1 = does not start action:

1. Check cover-sheet is placed correct over sensor in cover station.
2. Check paper in clamp is clamped correct and sensor in clamp-assy is covered by paper.

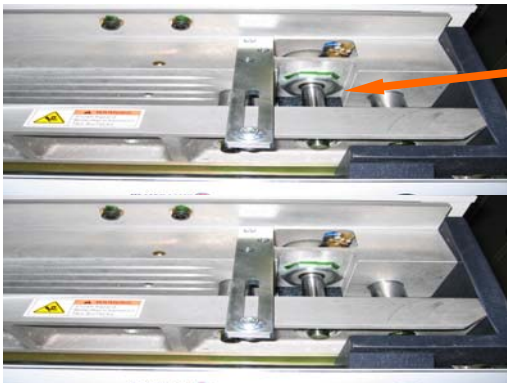
A alarm-beep sounds if 1 and 2 happened wrong.

Display shows: " Error to right"

This happens whilst starting machine and whilst clamp-assy is not in right hand home position.

= Press Button No 12 for moving clamp assy in home position.

For Technical Service only:



Do not touch:

Adjustment-Screw for pneumatic power for paper-clamp-assy.

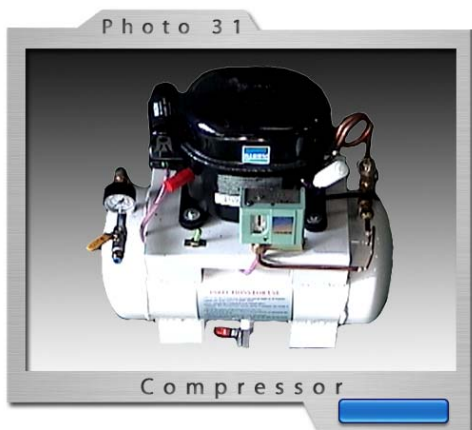
In use only for technical service!

Others

In case any other failure which can be solved or reason found = Please call your local supplier for help. Explain failure by using this Operator Instruction Book for identification of items.

7. Air-Compressor

1. Name of parts and function of Air-Compressor



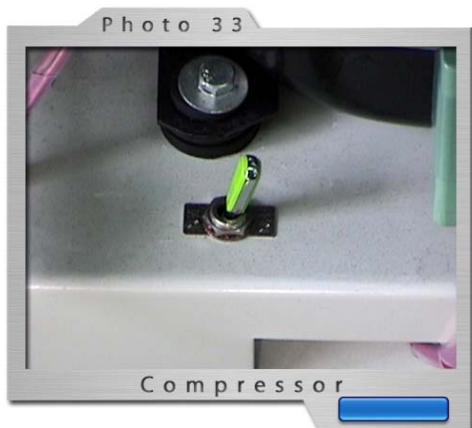
Air-Compressor complete

This compressor uses oil for lubrication. Once a year the oil should be replaced by new oil. A spare bottle of oil – 100 ml – is the full refill and to be found in the accessory-package.

Due to the oil filling of the compressor it is important that the compressor is moved always in upright position!

After transport the compressor should rest for 1 hour before use!

A extra air-gun is supplied with compressor and should be assembled as well as the binding machine. The air-gun is a helpful cleaner for machine against dust etc.

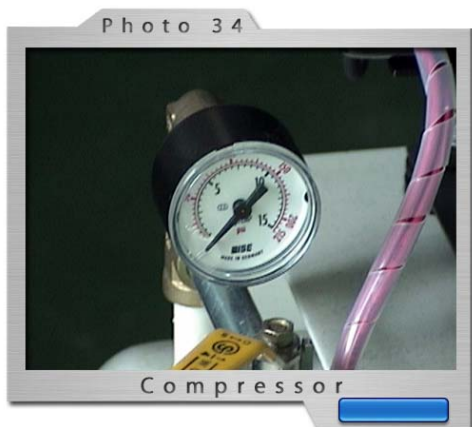


ON-Off-Switch...

...of compressor has to be switched in ON position before switching on the binding machine.

*After start the compressor should **warm up about 5 minutes** for building up the pressure in air-tank.*

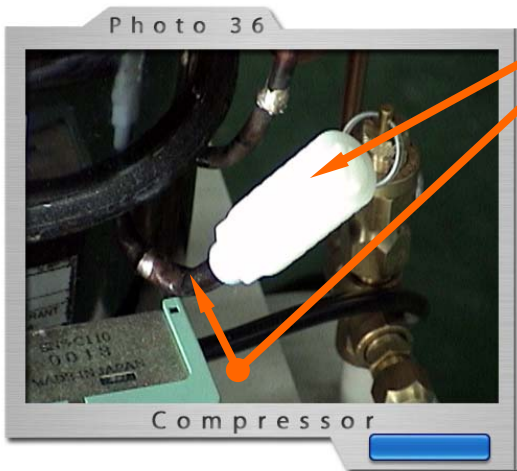
Before switching off the binding machine the compressor must be shut off.



Air-pressure

...in tank of 9,0 kg/cbm will stop the motor running for filling the tank

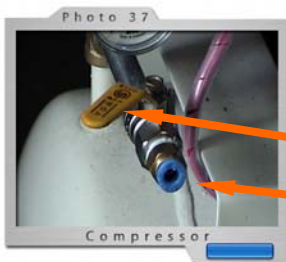
The motor restarts when pressure is lowered down to app. 6,5 kg/cbm.



Air-Filter.

Air In-Let is originally sealed by cap. Remove cap and **keep it for future use**. Put on the Air Filter (delivered with accessory of Compressor) by sliding it on the inlet-tube-top.

For next transport of compressor take filter off and put cap on again. Otherwise oil might leak out of inlet whilst transport and/or do not tilt the compressor more than 45 degree. If tilted more than 45 degree turn in normal position and let rest for app. 1 hour to allow oil to move in place - before new start of binding..

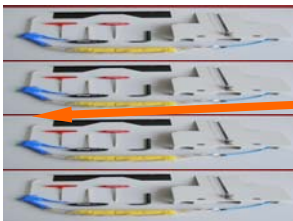


Remove condensed water...

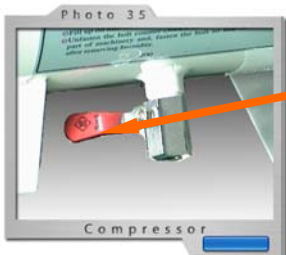
...out of tank.

Procedure:

1. Close hand-valve for compressed air at air outlet.



2. Release air out of tank by Hand Air-Pistol. (Is in accessory-Package)

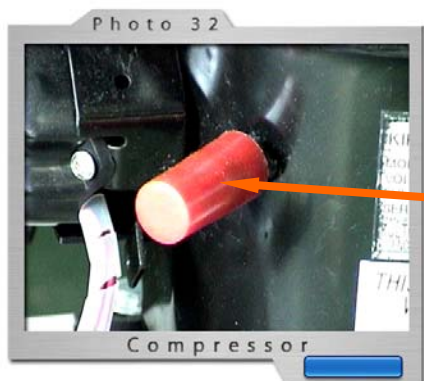


2. Release all compressed air out of tank by:

Hand-valve-lever turn 45 degree.

Attention:

Do not tilt the compressor more than 45 degree. If tilted more than 45 degree turn in normal position and let rest for app. 1 hour to allow oil to move in place - before new start of binding..



Renew of Oil

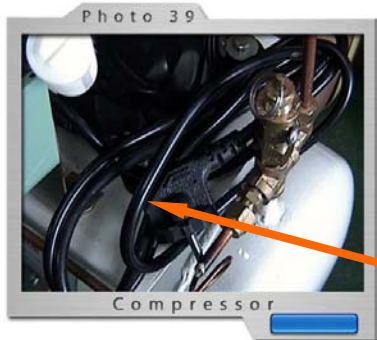
Compressor-oil should be renewed every 12 month.

Take cap off oil-outlet.

Tilt compressor and drain oil into a can.

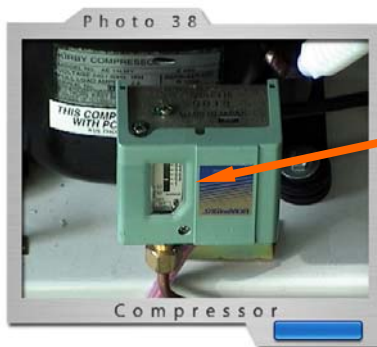
Refill 100 ccm oil with filling bottle to be filled with compressor-oil for full filling.

1 bottle of 100 ccm oil and a refilling-bottle is in the package of compressor



Main Cord of Compressor

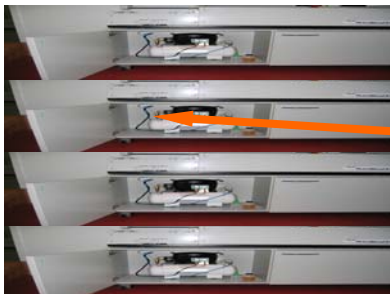
... to be plugged into wall-outlet 220 – 240 V



Air Compressor control...

... for high to low compression load.

*Air-Compressor in Stand Cabinet...
...placed in correct position:*



**Air-Hose to binding machine and
Air-Hose to Air-Pistol and
Main Cord of pump**
*are led through hole in back side of
stand-cabinet.*



Oil-Refill-Bottle

*for use after 12-month first time to renew
oil of compressor.*

**Oil-Bottle
(100 ccm)**

Please note:

This type of Air-Compressor is in use because of the extremely low sound during motor-run for filling compressed air in tank – compared to other Compressors on the market.

The service of supply of an extra Air-Pistol is made to make the cleaning of FKS PrintBind KB2000 easier. Cleaning is necessary to take any dust away of area of Glue-Assembly to prevent glue-pollution.

8. Accessories to FKS PrintBind KB 2000

Contents of Delivery:

The **FKS PrintBind KB 2000** is packed in a wooden crate.

The crate includes:

- A) 1x **Binding Machine FKS PrintBind KB 2000**
- B) 1x **Box with Air Compressor incl. Air Compressor accessories.**
- C) 1x **Box with Accessories for FKS PrintBind KB 2000**
- D) 1x **Stand-Plate for cooling of ready books**
- C) 1x **envelope with Operator Instruction Manual**

In case it is ordered:

FKS Stand-Cabinet
2 versions are available

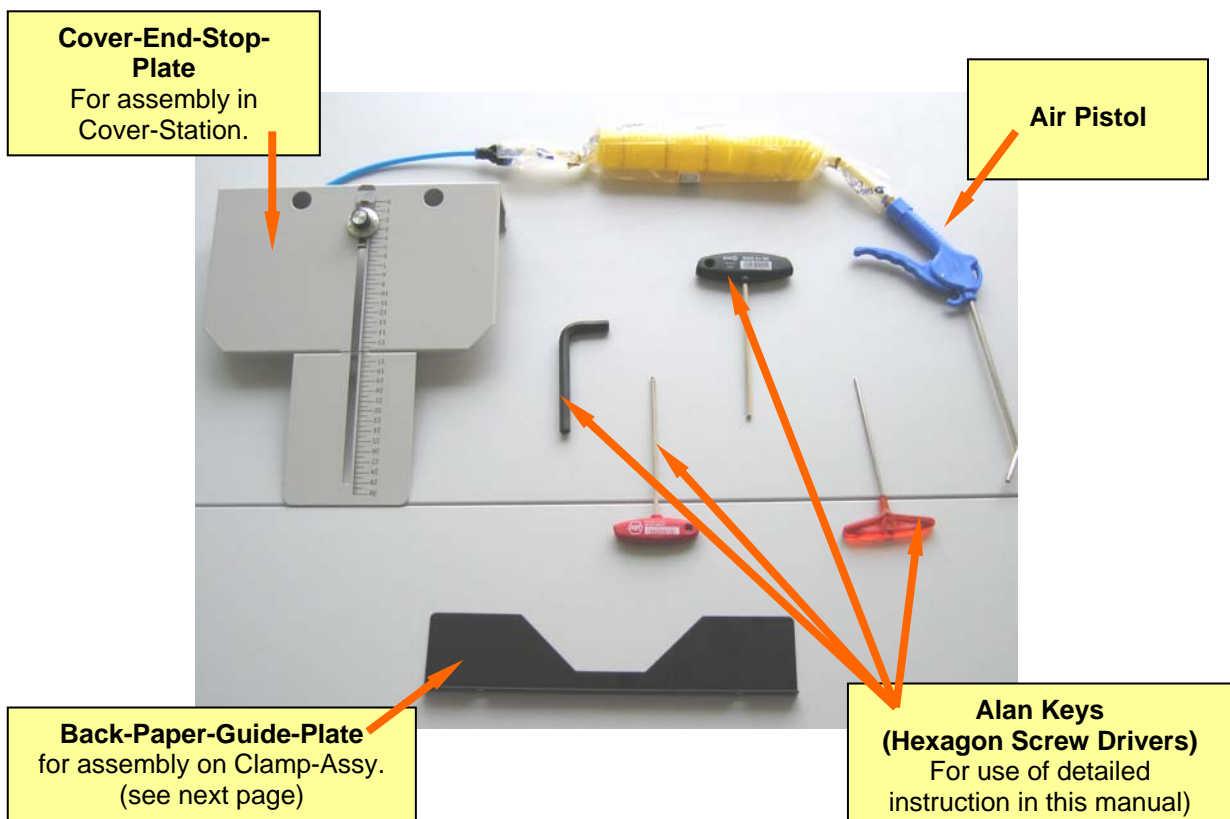
FKS Stand Cabinet for FKS PrintBind KB 2000 in version: **Complete assembled.**

Or

FKS Stand Cabinet for FKS PrintBind KB 2000 in version: **Components in order to be assembled.** (Assemble-Instuction sheet is included)

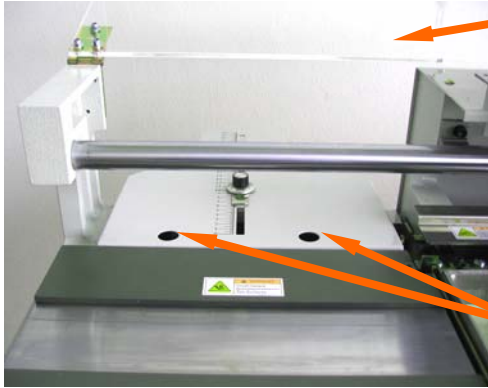
Contents of

C) 1x Box with Accessories for FKS PrintBind KB 2000



Cover-/End-Stop-Plate

For assembly in Cover-Station.



Cover-End-Stop-Plate for:
Cover Clamp Station

It has to be mounted in back side of Cover Clamp Station by:

2 Phillips-Head-Screws, which are already screwed-in in machine to be fixed by Phillips-Screw Driver through the:

2 holes in top side of Cover-Endstop-Plate.

Back-Paper-Guide-Plate

for assembly on Clamp-Assy.



Back-Paper-Guide-Plate
Paper-Clamp-Assembly

It has to be mounted on back clamp of paper-clamp-assy by:

2 Phillips-Head-Screws, which are already screwed-in on back-clamp of clamp-assy to be fixed by Phillips-Screw Driver.

Book-Cooling-Stand



Book-Cooling-Stand

Place ready bound books for cooling of spine/glue

9. Technical Specifications

EC Attestation of Conformity

No.: E8 03 04 47560 001



TACHO-P

#189-1, Sinam3-Dong, Dong-Gu,
Taegu,
Korea

Item Identification: Machinery (EMC dir./specify)
Binding Machine

Item Description: GS5310
Input: 230 V a.c., 50 Hz

The equipment complies with the principal protection requirements of the EMC Directive (Directive 89/336/EEC relating to electromagnetic compatibility) based on a voluntary test.

This attestation applies only to the particular sample of the product and its technical documentation provided for testing and certification. The detailed test results and all standards used as well as the operation mode are listed in

Test report no. : ERI-EN03-0033

Test standards: EN 61000-6-1:2001
EN 61000-6-3:2001
EN 61000-3-2:2000
EN 61000-3-3:1995/A1:2001

This attestation is released with the above mentioned attestation number by the Certification Body of TÜV PRODUCT SERVICE. It does not permit the use of a TÜV PRODUCT SERVICE certification mark.

After preparation of the necessary technical documentation as well as the conformity declaration the CE marking as shown below can be affixed on the equipment as stipulated in Article 10.1 of the Directive. Other relevant Directives have to be observed.



Kang H. Park



Department: EMCKR / ysy
Date: Apr-25-2003

TÜV PRODUCT SERVICE GMBH · Zertifizierstelle · Ridlerstrasse 65 · D-80339 München

Item Description: GS5310 Trade Label: FKS PrintBind KB2000

EC Attestation of Conformity

No.: M8 03 05 47560 002



TACHO-P.

#189-1, Sinam3-Dong, Dong-Gu,
Taegu,
Korea

Product: Machinery (general, not appendix IV)
(Binding Machine)

Model: GS5310

Parameters:

Rated input voltage :	230 Va.c.
Rated frequency :	50/60 Hz
Rated input current :	10 A
Weight	130 kg

The equipment complies with the principal protection requirements of the Machinery Directive (Directive 98/37/EC) based on a voluntary test.

This attestation applies only to the particular sample of the product provided for testing and certification. The detailed test results and all standards used as well as the operation mode are listed in

Test report no.: MAEB0172932

Test standards: EN 292-1:1991 EN 292-2:/A1:1995 EN 563:/A1:1999
 EN 983:1996 EN 1050:1996 EN 60204-1:1997

This attestation is released with the above mentioned attestation number by the Certification Body of TÜV PRODUCT SERVICE. It does not permit the use of a TÜV PRODUCT SERVICE certification mark.

After preparation of the necessary technical documentation as well as the conformity declaration the CE marking as shown below can be affixed on the equipment. Other relevant Directives have to be observed.



[Handwritten signature]



Department:
Date:

ELSKR / shy
May-21-2003

TÜV PRODUCT SERVICE GMBH · Zertifizierstelle · Ridlerstrasse 65 · D-80339 München

Item Description: GS5310 Trade Label: FKS PrintBind KB2000

9. Technical Specifications

Type of Binding: Hot-Melt-Adhesive Paper Binding
Pneumatic Paper- and Cover clamping

Spine thickness, max :	60 mm
Spine thickness, min :	3 sheets, 80 g/sqm
Spine length, max:	310 mm
Spine length, min:	60 mm
Book size, min	60 (spine length) x 120 mm
Book size, max:	310 (spine length) x 320 mm
Cover limit , max:	360 +60+360 = 780 mm wide 320 mm height (max spine length)
Binding speed :	Up to 320 books per hour
Warm-up time :	About 30 ~ 40 minutes
Glue temperature:	100 to 190 degree C
Type of adhesive :	HOT MELT adhesive
Counter, in-build:	4 digit
Outlet from smoke exhauster:	60 mm diameter (for flex-hose, not included)
Power source, machine :	AC 220 - 240V/50Hz
Power consumption:	1,35 KW
Size of machine, LxWxH::	1280 X 450 X 585mm
Weight of machine:	130 kg
Size of stand cabinet, LxWxH:	1350 X 500 X 700mm
Weight of stand cabinet:	55,5 kg

10. Installation of Stand Cabinet (Version to be assembled only!)

**Assembly/Montage/Montage-Handleiding
Montaggio/Montagem/Montaje**

Contents / Inhalt / Inhoud / Contenido / Contenu / Conteúdo / Contenidos:

Assembly / Montage / Montage-Handleiding / Montaggio / Montagem / Montaje:

**Assembly/Montage/Montage-Handleiding
Montaggio/Montagem/Montaje**

Contents / Inhalt / Inhoud / Contenido / Contenu / Conteúdo / Contenidos:

Assembly / Montage / Montage-Handleiding / Montaggio / Montagem / Montaje:

**Assembly/Montage/Montage-Handleiding
Montaggio/Montagem/Montaje**

FKS: Bindemaschine Printbind KB 2000 fm2084 /20.07.04 / Ro