



再登高喷墨绘图仪/立切

GetonAgain Magic Ink-jet Plotter

维护保养手册

Maintenance Manual

V1.0

- 非常感谢您选购再登高产品；

Thank you very much for choosing GetonAgain products;

- 在使用之前请仔细阅读本手册，正确安全的使用本产品；

Please read this manual carefully before use and use this product correctly and safely;

- 请妥善保管此手册；

Please take good care of this manual;

目 录

Catalogue

| | |
|---|--|
| 1 日常维护保养 DAILY MAINTENANCE | |
| 2 日常检查 DAILY INSPECT | |
| 3 常见故障及处理措施 PROBLEM AND SOLUTION | |
| 1 纸张已用完 PAPER USED OUT | |
| 2 图形超出范围 GRAPH OUT OF RANGE | |
| 3 传感器检测异常 SNEsor ERROR | |
| 4 墨车驱动超差报警 | |
| 5 打印过程中提示运行错误 | |
| 6 电机与光栅尺位置不匹配 | |
| 7 打印效果不佳 BAD PRINTING RESULT | |
| 8 网口通信问题 PROBLEM ON NETWORK COMMUNICATION | |
| 4 易损件清单 WEARING PARTS LIST | |

1 Daily maintenance

- 1) Clean the sensor with a dry cloth every day. Do not block the sensor when feeding and rolling paper.
- 2) Clean the dust of the whole machine once every 3 days. Clean the fan cover and head with compressed air.
- 3) Check the XY motor synchronous belt every week (if has sundries or not such as clastic)

2 Daily inspect

- 1) Don't set origin when plotting.
- 2) Please take out the ink box when the plotter will not be used in a long time to prevent the print head dirty and jammed.
- 3) It can't set the parameter setting when the data is not finished.
- 4) Don't send data to the plotter before initialing.
- 5) Don't feed paper or roll paper when plotting.

1 日常维护保养

- 1) 每天用干布清洁感应器, 收送纸过程中不要随意挡住感应器。
- 2) 每 3 天进行一次整机的灰尘清理, 可用压缩空气对风扇罩和机头处进行清洁处理。
- 3) 每周定期检查 XY 电机同步带中是否有杂物卷入 (如线头或毛絮等)。

2 日常检查

- 1) 打印过程中不能设置原点。
- 2) 长时间不使用绘图机应将墨盒取下密封盒内, 防止喷嘴堵塞。
- 3) 文件没打完不能进行参数设置。
- 4) 开机初始化成功之前不能发送数据
- 5) 打印过程中不要手动收送纸。

| | |
|---|---|
| <p>6) Please prevent the balance bar jumps out when you don't reinstall paper and press '7'to exit the paper out indication.</p> <p>7) Don't shake the plotter when turn on the plotter.</p> <p>8) Don't use wet, curly and edge turn up paper, and also the paper that has flaw.</p> <p>9) The plotter uses HP51645A ink box, you cn buy it in the hp franchise. Please use quality goods for good printing quality.</p> <p>10) Never put hand and other goods beside the print head, or it may hurt person or influence the plotting quality.</p> | <p>6) 没有重新上纸，按‘7’键直接退出没示时，请防跳杆。</p> <p>7) 机器通电后不能震动.</p> <p>8) 不要使用潮湿、卷曲、褶皱或边缘翘起的纸张，也不要使用有洞或破损残缺的纸张。</p> <p>9) 喷墨绘图仪机选用HP51645A 型号墨盒。请使用惠普原装正品墨盒，有利于保证打印质量。</p> <p>10) 设备在运行时严禁将手或其它物品放</p> |
| <p>Using skills</p> <p>In order to using the plotter safely and accurately and avoiding body injured and property damaged, the manual prescribes three kinds of safe notice proceedings, please understand the difference.</p> | <p>在墨车旁，避免造成人员伤害或影响绘图质量。</p> <p>本手册的使用常规</p> <p>要安全准确地使用机器，以及防止人体受伤和财产损害，本手册规定以下三种安全注意事项。请理解其差异。</p> |



(DANGER)

The notice means DANGER, if ignored, it maybe cause deadliness or serious damage to operator.



(WARNING)

The notice means WARNING, if ignored, it maybe cause deadliness or serious damage to operator.



注意(CAUTION)

The notice means CAUTION, if ignored, it maybe cause damage to operator or weaken physical capability of the plotter.

Explanation of Safety Symbols



It means caution or warning, the place where should be careful or warned will be put the symbol or symbol with text indicate.



危险

该类提供危险注意事项，如果忽略，很容易对操作人员造成致命或严重的害。



危险

该类提供警告事项，如果忽略，可能会对操作人员造成致命或严重的伤害。



注意

该类提供注意事项，如果忽略，可能会对操作人员造成伤害，或会削弱机器的物理性能。

安全符号说明







符号表示应小心注意的地方（包括警告）。需要注意的地方是以图示或该符号内或靠近该符号的文本说明表明。





符号表示应禁止的动作。所禁止的动作是以图示或该符号内或靠近该符号的文本说明表明。



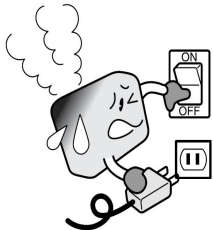
符号表示必须执行的动作。其表示方法一般以图

| | | |
|---|---|--|
|  |  | It means action should be prohibited, the place where should be prohibited will be put the symbol or symbol with text indicate. |
|  |  | It means the action must be carried out. The action that should be carried out will be put this symbol or symbol with text indicate. |

**WARNING**



禁止
Forbidden





If the smoke happens from the plotter that due to too much hot and strange smell, or other reasons cause the machine can't work normally, please stop using it. Turn off the power, and pull out the power cable from the electrical outlet.

Continuing to use the plotter under these situations might cause fire or electrical attack.

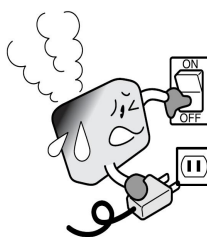
Make sure the plotter is not smoking any longer, please contact the salesman or authorized agent for maintaining.

Please don't maintain the plotter yourself;

**警告**



禁止
Forbidden



如果机器冒烟，太热发出异味，或其他原因造成不能正常工作，请不要继续使用。

关掉电源，并从电源插座拔出电源线。

在这些状态下继续使用机器，会引起火灾或电击。

确认不再冒烟后，联系销售代表或最近的经销商来维修。不要自行修理。由没有经验的人修理是非常危险的。

it is very danger to maintain by unfamiliar person.



不得拆卸
Disassemble
Forbidden



It is forbidden to disassemble, maintain or refit the plotter.

These actions might cause electrical attack or fire by creepage.

Touch the high voltage accessory of the plotter might cause electrical attack.

If it need to be maintained, please contact the salesman or authorized local agent.

Water
avoided

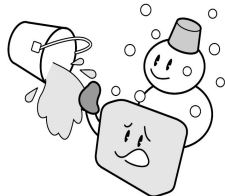


避水

Take Care
lectrical



小心电击



Don't use the machine in the place where has water, rain and snow.

These places might cause electrical attack or fire by creepage.



不得拆卸
Disassemble
Forbidden



不得拆卸、修理、或改装机器。

该等行为可能会因漏电而引起电击或火灾。

触摸机器的高压零件可能会引起电击。

如果需要维修，请联系销售代表或最近经销商。

Water
avoided

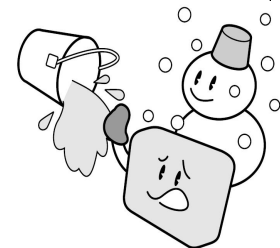


避水

Take Care
lectrical



Attack 小心电击



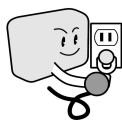
不要在有水、雨或雪的地方使用机器。

该地方可能会因漏电而引起电击或火灾。



接地装置

Grounding



Make sure the plotter is grounding.

If it hasn't ground wire, the operator might get electrical Attack by creepage.



禁止

Forbidden



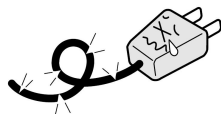
Don't connect the machine with non-stable power.

Use different power might cause electrical attack or fire by creepage.



从插座
拔出电源线

Forbidden



Don't use the broken electrical wire.

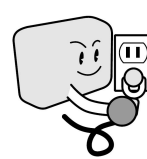
Use the broken electrical wire might cause electrical attack or fire by creepage. Change it to a new electrical.

Forbidden



接地装置

Grounding



确保机器接地安装。

如果没有接地，操作人员可能会因漏电而受到电击。



禁止

Forbidden



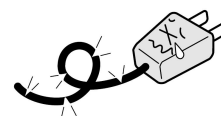
不要将机器连接到非额定电源。

使用不同的电源可能会因漏电而引起电击或火灾。



从插座
拔出电源线

Forbidden



不要使用破损的电线。

使用破损的电线可能会因漏电而引起电击或火灾。

更换成新的电源线。



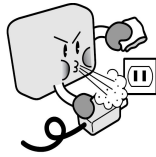
禁止



小心电击

FTake Care

Electrical Attack



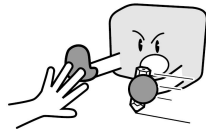
Don't let the dust and the metal material
adhibit to the power plug.

The dirty power plug might cause
electrical attack or fire by creepage.



Don't touch

勿触摸



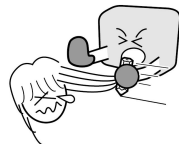
Please don't touch the print head and the
moving parts when plotting.

These actions might cause body injured.



保持距离

Keep Distance



When the plotter stops working, please
keep your hand and hair far away from
the print head and the moving parts,
because the plotter that had received data
might move suddenly. These actions
might cause body injured.

Forbidden



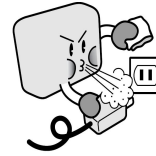
禁止



小心电击

FTake Care

Electrical Attack



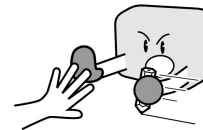
不要让灰尘或金属物质粘到电源插头
上。

变脏的电源插头可能会因漏电而引起
电击或火灾。



Don't touch

勿触摸



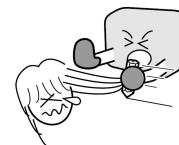
绘图期间，不要触摸喷头等移动的零
件。

该等行为可能造成人身伤害。



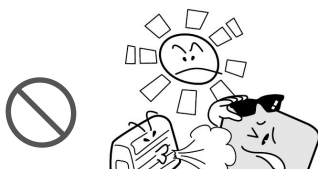
保持距离

Keep Distance



即使机器停止操作，要保持手、头发等
远离喷头等移动的零件，因为接收到数
据时，机器可能会突然开始移动。

该等行为可能造成人身伤害。



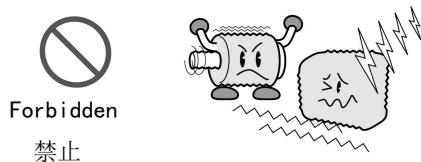
Forbidden

TAKE CARE

Don't use or hold the machine under sunshine, or the places where have air-condition and heater blowing directly. These places might weaken the capability of the plotter.



Don't use the plotter at the place where is dusty or damp especially. Using the plotter in these places might weaken the capability of the machine.



Don't use the plotter at the places that have mechanical shake or electrical noise. Using the plotter in these places might weaken the capability of the plotter.



Forbidden

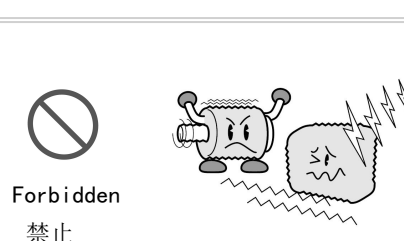


注意

不要在阳光直晒的地方，或有空调机或加热器直吹的地方使用或存放机器。该等地方可能会削弱机器的性能。



不要在灰尘很多或特别潮湿的地方使用机器。该等地方可能会削弱机器的性能。



不要在有超机械震动或电噪音的地方使用机器。在该等地方使用可能会削弱机器的性能。

Don't put the container fill with water or other liquid on the plotter.

Inflooding liquid on the plotter might cause the electrical attack or fire by creepage.

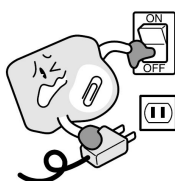


自插座

拔出电源线

Pull out the power cable

from the electrical outlet.



If there are water or eyewinker in the machine, please stop using it. Turn off power and pull out the power cable from the electrical outlet. Using the plotter under these situations might cause electrical attack or fire by creepage. Contact the salesman or authorized agent to maintain it.



禁止

Forbidden

Don't pull it forcibly when you need to pull out the power wire or Cable. These

Water
avoid



避水



小心电击



不要将装有水或其他液体的容器放在机器的表面上。

液体流入机器可能会因漏电而引起电击或火灾。

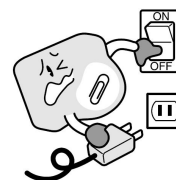


自插座

拔出电源线

Pull out the power cable

from the electrical outlet.

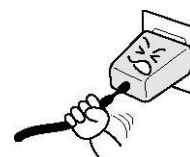


如果机器里有水或异物，不要继续使用。关掉电源，自插座拔出电源线。这种状态下使用机器可能会因漏电而引起电击或火灾。联系销售代表或最近的经销商修理。



禁止

Forbidden

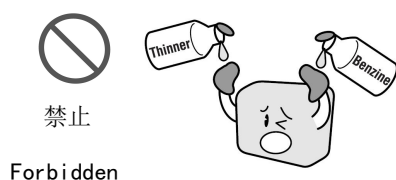


actions might damage electrical wire and cause fire or electrical attack.

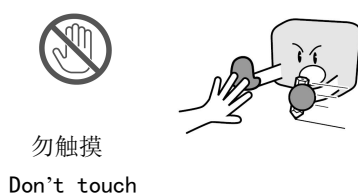
Forbidden

Don't try to append lube for the plotter.

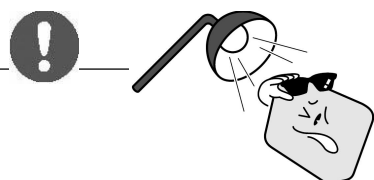
These actions might cause mechanical malfunction.



Don't use the thinner or gas to clear machine. These actions might weaken the capability of the plotter.



Make sure there is enough space for working, or else it might cause plotting error. If touch the machine, it might cause plotting error.

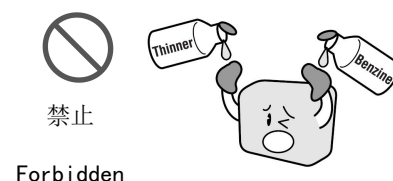


插拔出电源线或接口线时，不要用力拉插线。

该等行为会损伤电线，而引起火灾或电击。



不要试图给机器添加润滑油。该等行为可能会引起机器故障。



不要使用稀释剂或汽油等可挥发的溶剂来清洁机器。

该等行为可能会削弱机器的性能。



不要使用稀释剂或汽油等可挥发的溶剂来清洁机器。

该等行为可能会削弱机器的性能。

Use indoor daylight lamp or other electrical light, please make sure there is at least one meter distance between machine and light. The distance too near might cause sensor malfunction, and can't measure the normal size of the medium.



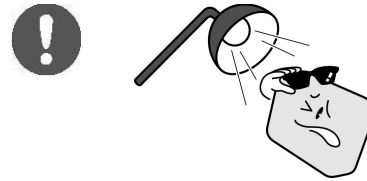
You must move it slowly when you need to move the print head manually. Quick movement might damage the plotter.

3 problem and solution

The plotter can indicate the error on the LCD screen automatically if problem occurred, so it will help the operator to find solutions. Error indication and malfunction reason as follows:

1. The paper has been used up

Reason: During the printing process, the device prompted "The paper has been



使用室内照明如日光灯或其他电灯时，确保机器和灯源之间至少有一米的距离。距离太近可能会引起感应器故障，且不能检测到介质的正常大小。



因加载介质或其他原因需要手动移动喷头时，要慢慢移动。

快速移动可能会损害机器。

3 常见故障及处理措施

立式喷墨绘图机具有错误提示功能，当仪器出现故障时，液晶屏上会显示相应的错误信息，可以帮助用户明了问题所在和解决问题。错误显示和故障原因解析如下：

used up."

Solution: 1. Check if the light of the paper feeding sensor remains on constantly. 2. If the paper feeding lever reaches the upper sensor and prompts an error, please check if the paper feeding motor can operate normally. 3. Place the paper feeding rod between the two sensors and restart the machine

2. The graphic is out of range

Reason: The graph to be drawn exceeds the normal printing range of the instrument (the graph is too wide).

Solution: Check if the file is correct. Note that the width of the graphic should not exceed the maximum printing range of the instrument. The starting point for printing may be set too large. Adjust the position of the origin.

3. Abnormal sensor detection

Reason: During the self-check operation upon startup, the sensor did not work properly or failed to detect the sensor.

Solution:

Enter the sensor detection interface, use a metal tool to block the sensor at the same time, and display the signal on the detection interface

2) Place the paper feeding lever between the two sensors and start the machine.

1. 纸张已用完

原因：打印期间，设备提示‘纸张已用完’

解决方法：1.检查送纸到达传感器是灯是否常亮， 2. 如送纸压杆到达上位传感器并提示错误，请检查送纸电机是否能够正常运转 3.把送纸杆放到两个感应器中间重新开机

2. 图形超出范围

原因：将要绘制的图形超出了仪器能够正常打印的范围（图形过宽）。

解决方法：检测文件是否正确，注意图形宽度不能超出仪器最大打印范围；打印起始点设置可能过大，调整原点位置。

3. 传感器检测异常

原因：开机自检动作时，感应器工作不正常或未检测到传感器。

解决方法：

1) 进入传感器检测界面，同时使用金属工具挡住传感器，并检测界面显示信号

Observe the self-check action. If the paper feeding lever does not reach the lower sensor, it indicates that the paper feeding motor is abnormal. Please check the paper feeding motor and the motor drive board

4. Alarm for excessive deviation of the ink truck drive

After the machine is turned on, if the ink cart hits the right edge, a differential alarm will be displayed. It is necessary to check whether the signal line connection between the origin sensor and the main control board is reliable and whether the plug is loose, that is, to check whether the signal line of the origin sensor is properly connected to the main board.

2) During the printing process, if the screen prompts an alarm for motor drive deviation, please check whether there is paper or foreign objects stuck in the ink cart motor or the paper feeding wheel

5. A running error was prompted during the printing process

The reason is that during the printing process, the position of the motor is inconsistent with the reading position of the grating strip

After the equipment is turned on, push the ink cart by hand to check if it can move a certain distance. If it can move, please open the left outer cover of the equipment and check if the motor wheel is loose

2) During the printing process, if a running error is prompted and the printed lines are abnormally misaligned, please check whether the grating strips are adhered abnormally and whether they are bent or fallen off

6. The position of the motor and the grating ruler does not match

After the device is turned on, when

2) 把送纸压杆放置到两个感应器中间开机，观察自检动作，如送纸杆未到达下位传感器，说明送纸电机异常，请检查送纸电机与电机驱动板

4、墨车驱动超差报警

1) 开机后墨车撞击右边沿，显示差速报警。应检查原点感应器与主控板相连的信号线连接是否可靠，接插头有无松动，即检查原点感应器的信号线与主板相连是否完好。

2) 打印过程中屏幕提示电机驱动超差报警，请检查墨车电机或者送纸轮是否有纸或者异物卡住

5、打印过程中提示运行错误

原因：打印过程中，电机位置与光栅条读取位置不一致导致

1) 设备开机后，使用手推动墨车，检查墨车是否可以移动部分距离，如可移动，请打开设备左侧外罩并检查电机轮是否松动

2) 打印过程中提示运行错误并打印线条异常错位，请检查光栅条黏贴是否异常以及是否弯曲或者脱落

setting the starting point for printing, this error is prompted. Use your hand to push the ink cart and check if it can move a certain distance. If it can move, please open the left outer cover of the device and check if the motor wheel is loose

2) This error is prompted when printing the test graph. Please check whether the grating strip adhesion is abnormal and whether it is bent or fallen off, or check the grating decoder

7. Poor printing effect

During printing, there are phenomena such as double lines, broken lines, missed lines, and no inkjet.

1) To check if there is ink in the ink cartridge, you can observe the small window on the top of the ink cartridge to check the remaining ink amount. If it is all black, it indicates no ink; if it is all green, it indicates full ink.

2) Carefully pull out the ink cartridge and gently wipe the print head clean with a damp and soft cotton cloth. A clogged print head may also lead to the occurrence of double lines, broken lines, missed lines or no inkjet. The print head cleaning function can also be set.

3) Print the line spectrum test graph. Taking the double-spray machine as an example, the first line spectrum is the nozzle on the left, the second line spectrum is the nozzle on the right, and so on for the fourth nozzle. Check which line staff has severe leakage (referring to the loss of two or more horizontal lines in certain vertical frame areas), and inspect whether the copper needle on the ink cartridge plate has good contact with the ink cartridge. The main thing to check is whether the copper needles are neatly arranged and whether there are any unevenness. If some copper needles are

6、电机与光栅尺位置不匹配

1)设备开机后,设置打印起始点时,提示此错误,使用手推动墨车,检查墨车是否可以移动部分距离,如可移动,请打开设备左侧外罩并检查电机轮是否松动

2)打印测试图形时提示此错误,请检查光栅条黏贴是否异常以及是否弯曲或者脱落,或者查看光栅解码器

7、打印效果不佳

打印时出现双线、断线、漏线、不喷墨的现象。

1)检查墨盒是否有墨,可以通过观察墨盒上面的小窗口来检查墨盒的剩余墨量,如果全黑说明无墨,全绿说明墨满。

2)小心拔出墨盒,用潮湿柔软棉布轻轻的将打印头擦干净。打印头堵塞也可能导致双线、断线、漏线或者不喷墨的现象出现。也可设置打印头清洗功能。

3)打印线谱测试图形,以双喷机器为例,第一个线谱为左侧的喷头,第二个线谱为右侧的喷头,4 喷头以此类推。查看哪一个线谱漏线严重(指某若干竖框区域内的横向线条丢失两个及以上),检查墨盒板上面的铜针和墨盒接

indented, it can be determined that the contact between the ink cartridge plate and the ink cartridge is poor. The ink cartridge plate needs to be replaced. The ink cartridge plate that has no problem with inkjet printing can be adjusted to the faulty nozzle, and the line spectrum pattern can be printed again to determine whether the problem lies with the ink cartridge plate

4) Check whether the data cable connection between the ink cartridge board and the inkjet driver board is reliable, and whether the plug is loose to ensure that the data cable connection is intact.

8. Network cable communication issues

1) Check whether the network cable interface connection is intact and whether the socket is loose. That is, check whether the Internet connection interface of the mainframe case, the network cable interface on the right side of the plotter, and the Internet connection interface of the motherboard are properly connected. If there is no problem with the connection, proceed with operation in Step 2.

2) Check whether a network connection has been established in the drawing center, and verify that the IP addresses of the devices and computers are set correctly and within the same network segment

3) Check whether the Internet connection interface of the motherboard is working properly. After the network cable is connected, check whether the light at the network cable interface is on

触是否良好。主要看铜针是否排列整齐，是否有凹凸不平的现象。若有些铜针凹进去，即可判断墨盒板与墨盒接触不良，要更换墨盒板，可将喷墨没问题的墨盒板对调到有问题的喷头上，再次打印线谱图形以确定是否为墨盒板的问题

4) 检查墨盒板和喷墨驱动板之间的数据线连接是否可靠，接插头有无松动，保证数据线的连接完好。


8、网线通信问题

1) 检查网线接口连接是否完好，接插口有无松动。即检查主机的机箱上网线接口，绘图仪右侧的网线接口，以及主板上网线的接口连接是否完好。如果连接没有问题，进行步骤 2 操作。

2) 检查绘图中心里面是否建立网络连接，检查设备与电脑 IP 是否设置正确以及在同一网段内

3) 检查主板上网线接口是否正常工作。网线连接后检检网线接口的灯是否亮起

4 易损件清单 wearing parts list

| 序号 NO. | 名称 NAME | 图片 PICTURE | 单位 UNIT | 单机数量 Quantity/ one machine |
|-----------|--|---|------------|----------------------------------|
| 1 | HP45 墨盒（耗材） HP45 cartridge(consumables) |  | 个 PCS | 2 |
| 2 | 光栅条 Strip |  | 条 PCS | 1 |
| 3 | 光栅解码器 Strip sensor |  | 个 PCS | |
| 4 | FFC 数据线 (24-pin) 3m FFC cable (24-pin) 3m |  | 条 PCS | 1 |
| 5 | FFC 排线 (50-pin) (3 米) FFC cable (50-pin) |  | 条 PCS | 1 |

| | | | | |
|---|--|---|--------------|---|
| | 2.5m | | | |
| 6 | 编织网管(黑色网套) Braided net pipe (black net cover) |  | 条 PCS | 1 |