# 1 Installation Instructions 1-1 Installation Preparations

System requirements for installing the software

\* Industrial control computer, internal storage at least 1G, storage capacity of hard disk at least 100G.

- \* Microsoft Windows XP
- \* Microsoft Office2003 (If there is no need to print statements, this requirement can be ignored.)
- \* At least a serial interface.
- \* At least a USB interface.
- \* Displayer resolution is greater than 1024\*768.

### **1-2 Installation**

👪 Installation-DCS2011	X
语言 Languege	
Required Operating System Must be Window Install Folder CABN_2011 Get Ready to Install, Click < >> >, or Click	v XP. 
	w洞 Cancer
Munical Installation-DCS2011	×
语音 Languege install	×
Required Or (2) This Operation will Initiate your Password to be one	(1) Space, and Other Data Files will be Default. Do You Still Really Want to do It ?
Instal	
Get Ready to Install, Click < >> >, or Click <cancel></cancel>	• to Exit Installation
	>> 取消 Cancel

From installation package double click "SETUP".

After the installation, restart the computer, insert the auxiliary Data Disk into the USB interface and double click "Dsc2011" on the desktop to start the system.

After the installation, do not delete or modify the documents under the category of 3N\_2011 in Disk C, or the system will run with errors.

Keep the password in a safe place.

If you forget the password, please install again and initialize the password to the factory setting (with a white space).

# 2 Svstem Description 2-1 Start Running

Double click the icon of "DCS\_2011" to run the system.

Note: USB Disk Must Put in after installation. If not recognizable, restart the computer.



A: The computer in the screen symbolizes the host and 8 small computers symbolize the workstation of working station. Flashes when the workstation is communicating. Yellow shows it is calling. Green shows the workstation is answering. Click the icon of workstation to display the workstation screen.B: Double click username field to input the username.

# 2-2 Instructions about the main page

Correct system configuration is important for the normal operation. The following is the specific operating instruction.

#### 2-2-1 Password

The system has two sets of password, one for administrator and the other one for running the system. The administrator password is used when the system is configured such as selecting the communication interface and defining workstation. Operation password is used in operation such as formula calculation and remote operation. The initial values of both of two sets of password are a white space. The user should change the password firstly during system configuration and keep the password properly. If the password is lost and the system fails to run, install again and initialize the password to the initial value. Two sets of password are kept by the administrator and the operator respectively. The password kept by the administrator is at a higher level and can be used where the password for operator is needed but not the opposite.

The Enter Password Window is displayed as follows:

🚾 Input Administrator Password			X
Input Administrator PassWord	确定 Ok	取消 Cancel	

Your password must contain four (4) letters or numbers.

# 2-2-2 Change the administrator password

功能Function 系統配置 SystemConfig 安全管理Security 选语言Languege 首次运行FirstGuide 安全策略Option 解除权限Lock 修改管理员密码Modify Administrator PassWord 修改运行密码Modify Operator PassWord 3N2000 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Todify the Administrator Password
Input original Administrator PassWord
Lodify the Administrator Password
Input original Administrator PassWord * Input New PassWord
Todify the Administrator Password
Input original Administrator PassWord * Input New PassWord Again

Exe_NodAdminPassWord	
OK !!! Please Take Care Your Password File, Prevent From Being Demaged. File Name = C:\3N_2	2011\SSS\AdminPassword.Txt
(	
al and a second s	

## 2-2-3 Change the operation password

The procedure of changing the operation password is the same as that of administrator password.

If the system prompts to enter the old password, it can be operation password and can also be the administrator password.

## 2-2-4 Set up communication parameters

🔜 UserName			
功能Function	系統配置 SystemConfig       安全管理Security         设置通讯端口Comm Parameter       设备组态 Model Setting         工作站定义Station Define       班次设置Report Style         3N2000	选语言Languege 首次运行FirstG	uide UserName
😼 Input Ad	ministrator Password		
Input .	Administrator PassWord	确定 Ok	取消 Cancel
	Communication Par	ameters	3
	Com3 确定 Ok	19200 <b>•</b> 退出 Exit	

A: Set Communication port and baud rate .

B: In case using USB serial port for communication, click "my computer" - "property" - "hardware manager" to determine the right port number.

C: Baud must be same meaning as <E9> parameter in Scale Controller.

E9=0 Baud 2400

E9=1 Baud 4800

- E9=2 Baud 9600
- E9=3 Baud 19200

#### 2-2-5 Device configuration

Set up the parameters for connecting with all communication on field sites. Enter administrator password before enter the page and the page is displayed as follows:

an UserName				
功能Function	系统配置 SystemConfig	安全管理Security	选语言Languege	首次运行FirstGuide
	设置通讯端口Comm Par	ameter		
	设备组态 Model Setti	ng		
	工作站定义Station De	fine		
	班次设置Report Style	-		
		3N2000		Us
		3N2000		U

 	orarie orar.								
设备编号	Comm Address	Model	Station	Loop	OnLine/OffLine	Linkage/Sole	Loop Icon	Loop Name	
1	1	0405-F	1	01	OnLine	Linkage	Screw Scale	aaaa	Cotting Way Click the Item need to be set. Dight
2	2	0405-F	1	02	OnLine	Linkage	Screw Scale	bbbb	Setting way: Click the item need to be set, kight.
3	3	0405-F	1	03	OnLine	Linkage	Screw Scale	eece	Right Click to enter Sub Minus. Choose from List
4	4	0405-F	1	04	OnLine	Linkage	Screw Scale	dddd	Paramotor:
5	5	0405-F	1	05	OnLine			eeee	Farameter.
6	6	0405-F	1	06				ffff	Comm Address: Communication Address of Sca
7	7	0405-F	1	07				6666	Enter> must followed after input
8	0	0405-F	1	08				hbbb	Model: Model of Scale Controller

Select the device to set up and mouse right click.

D	efine V	orking Stati	ion						
	设备编号	Comm Address	Model	Station	Loop	OnLine/OffLine	Linkage/Sole	Loop Icon	Loop Name
	1	1	0405-F	1	01	OnLine	Linkage	Screw Scale	aaaa
	2	2	0405-F	1	02	OnLine	Linkage	Screw Scale	bbbb
	3	3	0405-F	1	03	OnLine	Linkage	Screw Scale	ecce
	4	4	0405-F	1	04	OnLine	Linkage	Screw Scale	dddd
	5	5	0405-F	1	05	OnLine			eeee
	6	6	0405-F						ffff
	7	7	0405-F						8666
	8	0	0405-F		0405-F	-			hhhh
	9	0							
	10	0			0405-1				
	11	0			0405-E07	(8)			
	12	0			0100 201				
	13	0							
	14	0							

#### **Selection method:**

Click to select the item to be modified (color will change) and mouse right click to enter the submenu and define all the parameters by the dropdown menu.

#### Instructions:

Comm Address: Communication address of the scale controller.

Attention 1: <Enter> need to confirm. or the operation will be void.

Attention 2: This Value must save as parameter of <A5> on scale controller..

Model: Referring to the model of devices which can connect with this system.

Station: Referring to the workstation of the device. Default value: No.1 station.

Referring to the loop of the workstation of the device, available Selection 8,12,16. Loop:

Online/Offline: Define whether online or not. Device that is standby or not running is better to be "Offline", or the communication speed will be influenced.

- Linkage/Sole: Defining whether the device to get unified controlling. Linkage: Consistent action (start or Stop).
- Loop Icon: The icon is used to select the device and it is displayed on the workstation page.
- Loop Name: Used to select the device loop and it is displayed on the workstation page.

*Note 1: The setup is very important and make sure to check the data carefully after saving it to ensure the accuracy of the data.* 

Note 2: Be sure to press "Enter" button after entering the correspondence address.

### 2-2-6 Definition of workstation

Th能Function	系统配器 Swetten	Config 🛱	Z全管理Sacurity	选语言L。		首次运行First	Guide		
SOURIECTOR			(+ B.4.Security		nignege	E1X/E1JTIIS(	Juliue		
	设置通讯端口Comm Parameter								
设备组态 Model Setting									
工作站定义Station Define									
	班次设置Repor	rt Style							
Station Define									
号 StationType Displ	ayName Total	ClrTotal	DisTotal	Unit	Loop	PeiBi			
号 StationType Displ 1 0405 生产 2	ayName Total 车间 Total	ClrTotal Never	DisTotal XX.XXXX	Unit Kilo/M	Loop 12	PeiBi System Ration			
号 StationType Displ 1 0405 生产 3 4	ayName Total 辛百 Total	ClrTotal Never	DisTotal XX.XXXX	Unit Kilo/M	Loop 12	PeiBi System Ration			
号 StationType Disp1 1 0405 生产 2 3 4	ayName Total 车间 Total	ClrTotal Never	DisTotal XX. XXXX	Unit Kilo/M	Loop 12	PeiBi System Ration			
号 StationType Displ 1 0405 生产 3 4	ayName Total 车间 Total	ClrTotal Never	DisTotal XX.XXXX	Unit Kilo/M	Loop 12	PeiBi System Ration			
号 StationType Displ 1 0405 生产 2 3 4	ayName Total 车间 Total	ClrTotal Never	DisTotal XX. XXXX	Unit Kilo/M	Loop 12	PeiBi System Ration			
号 StationType Displ 1 0405 生产 2 3 4	ayName Total 辛间 Total	ClrTotal Never	DisTotal XX. XXXX	Unit Kilo/M	Loop 12	PeiBi System Ration			
号 StationType Displ 1 0405 生产 3 4	ayName Total 车间 Total	ClrTotal Never	DisTotal XX.XXXX	Unit Kilo/M	Loop 12	PeiBi System Ration			
号 StationType Displ 1 0405 生产 3 4	ayName Total 419 Total	ClrTotal Never	DisTotal XX. XXXX	Unit Kilo/M	Loop 12	PeiBi System Ration			
StationType         Displ           1         0405         生产           3         -         -           4         -         -	ayName Total 470 Total	ClrTotal Never	DisTotal XX. XXXX	Unit Kilo/M	Loop 12	PeiBi System Ration			

A: Be sure to set up <Medel Setting> before <StationDefine>.

B: The first line is workstation 1 and so on.

C: Changing method: mouse click and select the item to be changed (the color will change). Mouse right click and enter the submenu and define by the dropdown menu.

**《StationType》**: The selectable station names are listed in the dropdown menu. 0405 is a special feeder station and Control is the data collection.

**(DisplayName)**: Determined by user.

**(Total)** : **(Total)** : Displays the accumulated amount come from the controlled device.

«Shift» : Shift output calculated by the system.

**《DisTotal》**: Production display range.

**(Unit)** : Goal unit and flow rate unit to be consistent with device.

**(Loop)** : According to the specific applications, 8, 12 or 16 loops can be selected.

## 2-2-7 Report setup

b能Function	系统配置 SystemConfig	安全管理Security	选语言Langueg	e 首次运行First	Gui de
	设置通讯端口Comm Par	ameter			
	设备组态 Model Setti	ng			
	上作站定义Station De 和论语罢P	fine			
	OTIV CE Webot ( 2 CA16				<b>1</b>
		3N2000			Use
nort Style					
yost style					
工作站	Report Type		First Begin 8:00	))	1
Cement Wo	rk 🗕 Three,Each 8 hours	- Sec	ond Beain	16:00	1
			nird Begin	0:00	
		Fou	urth Begin		-
	↓ If date=1,	month report start	from the first da	y of current mon	th
Month Beair	If date<>	1, then month repo	ort start from the	day of last mont	n.,
Month Begir <mark>]</mark>					
Month Begirj <mark>1</mark>		T			

A: Report Style: Two shifts, each 12 hours. Or three shifts, each 8 hours, Or four shifts, each 6 hours.B: Starting time of each shift: Select from the dropdown menu. After the starting time of each shift is changed, the starting time of the second, third and fourth shift will be changed accordingly.C: With more than one station, make sure to select the right name of the station before changing these parameters.



Double click the user name on the home page and enter the administrator password.

Define Report Time Parameters	
Input user name into below box. The maximum length of inout string is 20 characters.	
UserName	
SAVE Exit	
Cement Vork	

# 2-2-9 Safety strategies

User	Name					
功能Fr	nnction 系统配置 SystemCon	fig     安全管理S       安全策響 解除权限       修改管理     修改运行	ecurity 选语言Lar Apption QLock 更密码Modify Adm: 丁密码Modify Opera	guege 首次运行Fi inistrator PassWor tor PassWord	rstGuide •d	
Safety	Setting					
1	Start/Stop 🔎 No Passw	Oper Passw	Admin Passw	Before Action	No Confirm	Confirm
2	Set Goal 🔿 No Passw	Oper Passw	Admin Passw	Before Action	🗢 No Confirm	Confirm
3	Clear Total 🤉 No Passw	Oper Passw	Admin Passw	Before Action	C No Confirm	Confirm
4	Zero Process 🔿 No Passw	Oper Passw	Admin Passw	Before Action	🗢 No Confirm	Confirm
5	Change Ration 🤉 No Passw	Oper Passw	Admin Passw	First Running, al	I permissions need a	administrator password.
6	Change User Name 🧿 No Passw	C Oper Passw	Admin Passw	Admin Password Item 1,2,3,4,5, w	l higher than opera ith permission set o	tor password. nly first operation need passwore.
7	Shift Define 🔿 No Passw	Oper Passw	Admin Passw	Item 6,7,8,every For Safety, bette	operation require p er cancel right in tin	assword. ne after operation done.
8	Station Define C No Passw	Oper Passw	Admin Passw			
		ī		退屮 Evit	1	

A: If the operation needs a password, a input box will appear only at the first operation. Later, the same operation doesn' t need to enter the password repeatedly. Be sure to unlock the permission after the operation is finished. After unlocking the permission, the same operation needs password again.

B: If the operation needs to answer the qualifying questions, then each time the operation will be followed by a confirmation box.

# 2-3 Function menu

## 2-3-1 Event recorder

3 20	UserName					
	功能Function	系统配置	SystemConfig	安全管理Security	选语言Languege	首次运行FirstGuide
Γ	系统说明Descr	iption	1			
	事件记录器					
-	退出Quit					
1			-			

#### Log Check

			Event	Station	Loop	L
20	2019-6-24	12:10:39	Modify Safety Strategy			
19	2019-6-24	11:26:39	Change Administrator Password			
18	2019-6-24	11:26:26	Change Administrator Password			
17	2019-6-24	11:03:12	Modify Safety Strategy			
16	2019-6-24	11:03:03	Modify Safety Strategy			
15	2019-6-24	11:00:10	Modify Safety Strategy			
14	2019-6-24	10:25:49	Modify Safety Strategy			
13	2019-6-24	10:25:25	Modify Safety Strategy			
12	2019-6-24	10:24:17	Modify Safety Strategy			
11	2019-6-21	16:14:40	Station Command: Stopo All Scale	Cement Work		
10	2019-6-21	16:14:31	Station Command: Start All Scale	Cement Work		
9	2019-6-21	14:28:44	Modify One Scale Goal	Cement Work	5	
8	2019-6-21	14:28:44	Modify One Scale Goal	Cement Work	4	
7	2019-6-21	14:28:44	Modify One Scale Goal	Cement Work	3	
6	2019-6-21	14:28:44	Modify One Scale Goal	Cement Work	2	
5	2019-6-21	14:28:44	Modify One Scale Goal	Cement Work	1	
4	2019-6-21	14:27:43	Station Command: Stopo All Scale	Cement Work		
3	2019-6-21	14:27:37	Alarm End	Cement Work	1	
2	2019-6-21	14:27:35	Alarm Begin	Cement Work	1	
1	2019-6-21	14:27:27	Station Command: Start All Scale	Cement Work		•
			171	ET PScroop	( → T/F	Eile Bull Evit

# 2-4 Station page

### 2-4-1 Page 1: 0405 station



**«Start /Stop»** controls the start or stop of the following linkage loops.

# 2-5 Submenu of station page

### 2-5-1 Ratio calculation

According to the total goal and the ratio, the goal of each loop can be calculated. Also, the total goal and ratio can be calculated according to the goal of each loop.

<ul> <li>总给定</li> <li>总百分</li> </ul>	,Computer Goal(t/h) (K/M) 分比Percent	7.77 129.5 100	; %	UU场On Sit 总给定G (K 累计产量Tc	e oal (t/h) /M) 1 otal (t) 40	7.77 129.5 176.25	单位 Unit Kilo/Min	ગ્ર	2000
	1	2	3	4	5	6	7	8	
Title	aaaa	bbbb	cccc	dddd	eeee	ffff	gggg	hhhh	Title
Goal	129.5	0	0	0	0				Goal
Ration	100	0	0	0	0			j.	Ration
	来自现场 Form	n Site							
Goal				129.5					Goal
Ration	0	0	0	100	0				Ration
Flow				140.76			Î.		Flow
Total	0	0	0	4076.249	0		i i		Total
	9	10	11	12	13	14	1 5	16	
									Title
Title			1				and party and the second se		
Title Goal			·	-ii	0	0	0	0	Goal
Title Goal Ration					0	0	0	0	Goal Ration
Title Goal Ration	来自现场From	) Site	-		0	0	0	0	Goal Ration
Title Goal Ration Goal	来自现场From	n Site			0	0	0	0	Goal Ration Goal
Title Goal Ration Goal Ration	来自现场From	n Site			0	0	0	0	Goal Ration Goal Ration
Title Goal Ration Goal Ration	来自现场From	n Site			0	0	0	0	Goal Ration Goal Ration Flow
Title Goal Ration Goal Ration Flow	来目现场From	n Site			0		0	0	Goal Ration Goal Ration Flow

D: **(Calculation)** refers to changing the ratio (total output, percentage) or the goal, and start to calculate after clicking this order.

E: **《DownLoad》** Transmit the new goal to the lower scale. Make sure to check the correction of the data before clicking "DownLoad".

F: While changing the percentage, it is recommended to be 100%.

# 2-5-2 Running data

The running data can be regarded as a result of communicating with the lower computer.

Material	G.	Status	A.Begin	A.End	StartT	StopT	Goal	Percent	Flow	Total	Comm
1	1	停机						0		0	0
2	1	停机						0		0	0
3	1	停机						0		0	0
4	1	停机						0		0	0
5	1	停机						0		0	0
6	1	停机						0		0	0
7	1	停机						0		0	0
8	1	停机						0		0	0

The data will be saved every hour and the old data will become historical date. You can click the historical data order. On the historical data page, the data can be checked in sequence. You can also input the year and the month to check the data.

日报DayReport   19-06-24	月报 Mont	hReport (Exc	- 1 C											
19-06-24														
	1	2	3	4	5	6	7	8	9	10	11	12	Total	
	aaaa	bbbb	cccc	dddd	eeee	ffff	6666	hhhh						
08:59:59	0	0	0	11.32	0	0	0	0	0	0	0	0	11.32	
09:59:59				. 9									. 9	
10:59:59	0	0	0	209.23	0	0	0	0	0	0	0	0	209.23	
11:59:59	0	0	0	222.22	0	0	0	0	0	0	0	0	222.22	
12:37:59	0	0	0	96.43	0	0	0	0	0	0	0	0	96.43	
Shift 1	0	0	0	540.1	0	0	0	0	0	0	0	0	540.1	
Shift 2	0	0	0	0	0	0	0	0	0	0	0	0	0	
Shirez					0				0				•	
Shift 3	0	0	0	0	0	0	0	0	0	0	0	0	0	
DerTetel	0	0	0	540.1	0	0	0	0	0	0	0	0	540.1	
Daylotal	0	U	U	340.1	0	0	0	0	0	0	0	0	040.1	

## 2-5-4 Production statement

A: The table shows the data of three shifts and the first shift starts at 8:00.

B: The first line of each shift represents the first hour record of the shift and the last record represents the subtotal of that shift.

- C: Four ways can be followed to print the production statement:
  - C-a. Use print command to print the window data. The print will be defective as a result of some low-resolution displayer.
  - C-b. Use menu function to print daily reports and the print will be displayed in EXCEL format. See the appendix.
  - C-c. Use menu function to print monthly reports and the print will be displayed in EXCEL format. See the appendix.
  - C-d. Use menu function to print custom statements. The format can refer to the appendix.

# 2-5-4-1 EXCEL daily report

/ 5 /	
Print Setting	
O Direct Print	View Before Print
Report Date	
This Year	▼ May ▼ 22 ▼
- Report Setting	
Title	
Number	
Setting	Peport Exit

Click the "setting" to set up the printing way.

# 2-5-4-2 EXCEL monthly report

	Print Setting	
11	C Direct Print 💽 View Before Print	
5	- Report Date	
	This Year 🔽 May 🔽	
N		
	- Report Setting	
c	Title	
1	Numbe	
2	Setting Exit	
c.	Loc.	Loc.

Click the "setting" to set up the printing way.

Self Define Report	Jenne tables	
Begin 2019 • Y 6 • I 2 End 2019 • Y 6 • I 2	24 • p 0 •	If no Begin Time(hour) choosed, System will Begin from the First Record of the Selected Day ! If no End Time(hour) choosed, System will End with the Last Record of the Selected Day !
Day Report	Month Report	Year Report 退出 Exit

After selecting the date and time, the daily report, monthly report and annual report can be printed. Attention: Ending time should be more than starting time.

## 2-5-5 Historical graphs of flow rate

历史流	量曲线	工作站	0405 - 1								
1-4	5-8	9-12	13-16	选月曲线文件	选月内时间段   .	原始数据   返回					
	1		08-12-25	14:22:00	记录号	35420					
46.8											
39										_ ^ _	
	m	$\sim$		$^{\Lambda}$ $\wedge$ $\sim$	$\sim \sim $	$\sim N \sim r$	$\sim$	᠕᠆᠕᠆	ᢣᢅᡊ᠕ᡅ	$\sqrt{1}/\sqrt{2}$	$\sim 1 \sim 1$
31.2		ت کر	~ 0			- U U 4					
					-		_				
	14:18:	00		14:19:00	)+= D [	14:20:00		14:21:00	]	14:22:00	
	2		08-12-25	14:22:00	出求亏	35420					
46.8											
39		Λα	- /7 /			MA OF	A App of C	$\sim \sim $			-MART
31.2	$\sim$	$\sqrt{m}$	$\sim \sim \sim$	V V ~~/		$\sim \sim \sim \sim \sim$	$\nabla$ $\nabla$ $\nabla$ $\nabla$ $\nabla$			V V V	<u> </u>
j	14:18:	00		14:19:00		14:20:00		14:21:00	[	14:22:00	•
	3		08-12-25	14:22:00	记录号	35420					
46.8											
39	<u> </u>		<u> </u>				0 ~ 0	<u></u>	<u> </u>	$\sim \sim \sim$	
31.2	$\Delta \Lambda_{\prime}$	<u></u>	$\sqrt{-1}$	$\sim \sim $	$\sim \sim $	$M_{1}\sqrt{2}$	$\sim \sim $	$\sim \sim $	$\sqrt{\sqrt{-1}}$	$\sim $	~ V~~V
	14.19	00		14-10-00		14-20-00		14:21:00		14.22.00	
	14.10.	~~~		14.10.00	) <del></del>	25400		,	,	11100100	
	4		08-12-25	) 14:22:00	记求专	39420					
46.8											
39	$\sim$		<u> </u>	$\sim M$	$\Lambda \sim \sim$	Δ Δ Δ	MMM	h = - h	$r \sim \Lambda r \sim$	$\Lambda \Lambda \Lambda$	᠕ᡣ᠊᠊ᢦ᠊ᠧ᠇᠊ᢦ
31.2	N-V		-		~~~ <u>~</u> ~~~						<u> </u>
j	14:18:	00		14:19:00		14:20:00		14:21:00	l l l l l l l l l l l l l l l l l l l	14:22:00	4

A: The default screen shows the flow rate graphs of No. 1-4 loops. You can select No.5-8, 9-12 and

- 13-16 loops from the menu.
- B: Pull the graphs back and forth or click the arrow to check.

C: Click "**(Choose Section)**" and click the dropdown menu to specify the time of the graphs.

Time Section Loop 1	
FileName: C:\3N_2011\0405-1\HistoreFlowDraw1-19-06Choose Time Section	
日 Day 小时 Hour 分 Minute	
24 ▼ 12 ▼ 48 ▼ 确定 Ok 退出 Exit	

D: Check the graphs in other months and click "**《Choose History File》**" to select the specified document.

, 历史流量曲线-工作站 0405-1	
1-4 5-8 9-12 13-16   选月曲线文件   选月内时间段   原始数据   返回	
1 11-12-16 11:24:00 记录号 22286	
	历史流量曲线存档文件-工作站 0405-1
	HistoreFlowDraw1-10-06 HistoreFlowDraw1-10-07
11:24:00 11:25:00 11:26:00	HistoreFlowDraw1-10-11 HistoreFlowDraw1-10-12
2 16 11:24:00 记录号 22286	HistoreFlowDraw1-11-01 HistoreFlowDraw1-11-02 HistoreFlowDraw1-11-02
	historeFlowDrawl-11-05 HistoreFlowDrawl-11-04 HistoreFlowDrawl-11-05
	KistoreFlowDraw1-11-06 KistoreFlowDraw1-11-08
	HistoreFlowDraw1-11-09 HistoreFlowDraw1-11-10
	n storeriowDrawi-11-11 HistoreFlowDrawi-11-12 HistoreFlowDrawi-12-01
	HistoreFlowDraw1-12-02
11:24:00 11:25:00 11:26:00	11:28:00
3   15   11:24:00 EX-5) 22200	

E: Click "《原始数据》" to see the data of flow rate in the specified time period.

历史流量原始教	★据−工作站	040	ā — 1													
定位月份文件	选月内时间	段   返回														
08-12-25	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16 🔺
合定	39	39	39	39	39	39	39	0	39	39	39	39	39	39	39	0
14:45: 0	48.13	45.89	50.47	50.26	49 72	47.99	40.27	0	46.09	45.98	49.95	43.09	42.08	45.24	97.27	0
14:45: 2	47.38	46.06	50.47	50.26	48.72	49.22	51.97	- 0	46.95	46.13	48.95	43.79	46.23	47.43	50.15	0
14:45: 3	46.29	47.1	44.29	48.2	46.91	48.82	50.88	0	45.03	44.94	43.51	47.31	44.24	47.86	45.64	0
14:45: 4	46.29	47.1	44.29	48.2	46.91	48.82	50.88	0	45.03	44.94	43.51	47.31	44.24	47.86	45.64	0
14:45: 5	46.8	43.93	48.85	49.49	48.15	49.84	43.64		44.05	51.59	42.68	42.64	49.95	45.82	46.66	0
14:45: 7	43.18	43.77	42.51	49.18	47.36	47.64	44.2	0	49.49	49.55	46.02	51.06	49.49	42.92	48.38	0
14:45: 8	43.18	43.77	42.51	49.18	47.36	47.64	44.2	0	49.49	49.55	46.02	51.06	49.49	42.92	48.38	0
14:45: 9	42.2	46.35	46.06	44.79	51.89	50.07	49	0	49.38	44.81	45.61	46.37	51.49	43.26	48.5	0
14:45: 10	42.2	46.35	46.06	44.79	51.89	50.07	49	0	49.38	44.81	45.61	46.37	51.49	43.26	48.5	0
14:45:11	43.09	43.9	42.83	46.38	51.64	47.47	46.99	0	44.23	45.84	46.01	44.87	47.08	43.44	47.22	0
14:45: 13	47.64	51.15	48.63	46.47	48.99	42.7	49.62	Ō	47.03	43.61	44.3	45.32	49.9	42.56	47.24	0
14:45: 14	47.64	51.15	48.63	46.47	48.99	42.7	49.62	0	47.03	43.61	44.3	45.32	49.9	42.56	47.24	0
14:45: 15	50.08	45.32	51.8	50.11	48.82	51.12	50.83	0	43.3	51.61	50.04	49.03	46.09	42.23	43.75	0
14:45: 16	50.08	45.32	51.8	50.11	48.82	51.12	50.83		43.3	51.61	50.04	49.03	46.09	42.23	43.75	0
14:45:11	47.18	46.14	43.14	44.84	48.51	50.57	47.06	0	51.05	45.81	45.32	49.79	44.26	46.55	44.44	0
14:45: 19	48.19	45.83	45.99	50.7	47.95	51.41	47.26	0	50.77	44.68	44.69	43.88	45.56	42.12	49.51	0
14:45: 20	48.19	45.83	45.99	50.7	47.95	51.41	47.26	0	50.77	44.68	44.69	43.88	45.56	42.12	49.51	0
14:45: 21	44.89	49.13	46.15	50.22	49.52	46.48	42.88	0	45.49	49.21	45.22	50.09	43.62	48.03	51.66	0
14:45: 22	44.89	49.13	46.15	50.22 49.44	49.52	46.48	42.88		45.49	49.21	45.22	49 71	43.62	48.03	51.66 46.08	0
14:45: 24	51.51	43.25	51.95	48.44	48.1	51.14	47.86	- 0	50.71	42.86	46.5	49.71	44.57	45.9	46.08	0
14:45: 25	44.82	47.93	44.22	42.91	51.07	43.23	48.64	0	44.44	51.62	50.58	46.53	47.04	49.82	50.47	0
14:45: 26	44.82	47.93	44.22	42.91	51.07	43.23	48.64	0	44.44	51.62	50.58	46.53	47.04	49.82	50.47	0
14:45: 27	44.09	45.39	46.26	43.66	48.33	43.12	44.18	0	47.17	43.96	52.04	46.84	42.17	46.39	45.02	0
14:45: 29	51.05	50.35	43.91	43.00	40.33	43.66	45 91	0	51.94	50.86	47.96	49.43	43.59	46.33	42.42	
14:45: 30	51.05	50.36	43.91	43.23	42.24	43.66	45.91	Ŏ	51.94	50.86	47.96	49.43	43.59	44.72	42.42	0
14:45: 31	49.98	50.06	45.48	46.66	47.7	50.18	47.79	0	44.23	45.8	47.89	45.59	47.43	46.4	47.88	0
14:45: 32	49.98	50.06	45.48	46.66	47.7	50.18	47.79	0	44.23	45.8	47.89	45.59	47.43	46.4	47.88	0
14:45: 33	47.64	44.22	51.79	51.49	52.09	50.55	46.25		52.05	44.74	43.9	49.11	42.33	45.55	49.09	
14:45: 35	43.27	45.08	46.16	47.76	45.28	45.13	50.25	0	45, 93	46.18	50, 58	46.27	49.42	48, 76	46.23	0
14:45: 36	43.27	45.08	46.16	47.76	45.28	45.13	50.25	0	45.93	46.18	50.58	46.27	49.42	48.76	46.23	0
14:45: 37	48.64	47.34	44.41	48.01	49.67	46.74	51.22	0	48.86	51.08	44.99	45.86	42.32	45.13	52.02	0
14:45: 38	48.64	47.34	44.41	48.01	49.67	46.74	51.22	0	48.86	51.08	44.99	45.86	42.32	45.13	52.02	0
14:45:39	48	48.25	44.87	47.27	50.13	50.76	43.12	0	46.34	42.92	46.7	49.18	47.18	46.26	51.64	0
14:45: 41	48.11	47.52	48.35	43.09	44.04	45.04	42.39	0	46.4	47.68	47.78	50.01	42.63	46.26	42.79	0
14:45:42	48.11	47.52	48.35	43.09	44.04	45.04	42.39	0	46.4	47.68	47.78	50.01	42.63	46.26	42.79	0
14:45: 43	48.24	47.39	48.17	45.51	51.3	49.91	47.97	0	49.54	43.84	42.81	44.64	49.8	51.72	45.66	0
14:45:44	48.24	47.39	48.17	45.51	51.3	49.91	47.97	0	49.54	43.84	42.81	44.64	49.8	51.72	45.66	0
14:45:46	50.13	42.57	50.16	47.05	44.28	48.24	51.31	0	48.75	42.37	48.84	51.87	42.31	51.76	42.96	
14:45: 47	48.05	50.31	42.63	42.78	47.87	45.38	46.35	0	49.57	46.74	45.45	42.97	46.32	47.96	49.86	0
14:45: 48	48.05	50.31	42.63	42.78	47.87	45.38	46.35	0	49.57	46.74	45.45	42.97	46.32	47.96	49.86	0
14:45: 49	48.76	50.32	46.41	50.21	49.45	49.17	49.55	0	49.98	42.94	44.72	51.74	50.44	44.43	44.08	0
14:45: 50	48.76	44 93	46.41	49.29	49.45	49.17	49.55	0	49.98	42.94	51 21	51.74 44.49	45 81	44.43	44.08	
14:45: 52	51.5	44.83	44. 81	49.39	48.9	49.98	49.84	0	50.5	49.44	51.21	44.48	45.81	47.78	45.81	0
14:45: 53	51.5	44.83	44.81	49.39	48.9	49.98	49.84	0	50.5	49.44	51.21	44.48	45.81	47.78	45.81	0
14:45: 54	48.05	48.56	43.65	42.87	48.6	50.65	48.67	0	44.14	47.22	52	49.96	46.07	47.11	47.74	0
14:45: 55	48.05	48.56	43.65	42.87	48.6	50.65	48.67	0	44.14	47.22	52	49.96	45.07	47.11	47.74	0
14:45: 56	42.66	48.75	51.27	45.68	43.45	46.53	49.99	0	46.39	49.75	46.64	49.47	47.34	44.01	45.06	0
14:45: 58	52.07	45.12	48.47	45.35	50.81	45.47	50, 24	0	45.29	43.01	47.22	45. 81	48.26	42.59	45.47	
· · · · · · · · · · · · · · · · · · ·																

F: The original data is the same as the graphs only in different forms.

## 2-5-6 Live graphs (flow rate)

It refers to the changes of the flow rate in the current hour. The graph that is beyond one hour can be checked in the historical graphs.



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#### Appendix 2: Custom table:

														页 1	٩	位: 其	i	
Y-M-D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	总量1	总量
	铁粉	000	黏土	bbb	石膏	CCC	熱料	ddd	粉煤灰	999	氟石	fff	添加剂	<u>g</u> gg	添加剂	999		
08-05-01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	
08-05-02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	
08-05-03	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	
08-05-04	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	
08-05-05	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	
08-05-06	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	_
08-05-08	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	
08-05-09	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	
08-05-10	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	
08-05-11	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	
08-05-12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	80	
08-06-22	2	2	2	2	2	2	2	2	2	2	2	. 2	2	2	2	2	32	
08-06-25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	32	
08-06-28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	32	
08-08-12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	16	
08-08-13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	208	
08-08-14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	224	
08-08-15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	240	
08-08-16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	256	
08-08-18	1.31	1.45	1.53	1.63	1.71	1.62	1.77	1.94	2.03	1,13	1.2	1.21	1.26	1.26	1.26	1.28	23.59	
08-08-19	. 07	. 08	. 07	. 06	. 05	0	. 02	. 03	. 04	. 02	. 02	. 04	. 04	. 03	. 04	. 04	. 65	
08-08-20	. 33	. 34	. 32	. 29	. 23	. 02	. 14	. 18	. 16	. 18	.1	. 19	. 17	. 17	. 15	. 14	3.11	

SUNEN 三恩电子 2019-06-24 (Revision)