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**6 3.0**

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inQ'D PY bP p

### 8.1 CAN COMMUNICAT

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### 1.1 Basic configuration

- 1 8-Inch color touch screen
- 2 Serial console board
- 3 I/O board
- 4 Power supply (24V DC power supply).

### 1.2 Installation of the MEM

- 1 Wiring operation must be carried out by a professional electrician.
- 2 Confirm that the power is disconnected before you can begin work.
- 3 Monitor on a metal, non-flammable and non-combustible
- 4 MEM be used in safe working.

5 Electrical power supply and reception occur. If the console MEM fail. An occurrence, in order to make the hole MEM ok, please be sure to use the electrical safety circuit of the console MEM.

6 Before installing, wiring, operation, maintenance, must be familiar with the content of the manual MEM be familiar with the electrical machine, electrical knowledge and all the electrical safety precautions.

7 In the console box, there should be good ventilation, oil-proof, dust-proof condition. If the electrical console box is closed, the console temperature is too high, affecting normal work, be fixed in the exhaust fan, electrical box should be operated at a temperature below 50 degrees, do not be in direct sunlight.

8 Console should avoid contact with flammable liquid. Avoid unnecessary maintenance.

Note: Be careful about the operation handling, including personal injury or accidents.

# 2



## 2-1

Man al

---

1 " " Ke : o.igin .e .n and a o mo emen M p.eMMng hiMb on ill Ma. he app.op.ia e ac ion.

" " Ke : a o Ma M p.eMM hiMke , o ill be a gh he laM Mep of he p.og.am a o MopM in Mop mode, hiMke o clea. he ala.m diMpla ha haMbeen .eMbl ed.

2 " " Ke : in Mop mode, p.eMM hiMke , hen p.eMM he Ma. ke , Ma. ed .e .ning a he o.igin.

" " Ke : p.eMM hiMke o " I/O ReMe he "check in he in e.face I/O O p poin M a.e .eMe .

3 " " Ke : hiMke iM Med o adj M he Mped of man al and a o global.

1 5 : The co..eMponding f nc ion on he diMpla panel.

+ , - , + , - , + , - , + , - , + , - : In man al Ma M p.eMM he co..eMponding a iM mo eM

Man al Ma eM hen p.eciMe poM ioning, o can Me he p.eciMe mo emen of he knob a iM The Ma Mba., o can Melec hich a iMfo. adj Mmen .

X1: A g.id a iM0.01mm O. o .o a e 0.01 Deg.eeM

X5: One-a iM .anMa ion 0.05mm O. o .o a e 0.05 Deg.eeM

X10: One-a iM .anMa ion 0.1mm O. o .o a e 0.1 Deg.eeM

P.eMM he eme.genc Mop b on in an eme.genc , ill c off all a eMenabling all IO Main aining he c ..en Ma M MMem ale. : eme.genc Mop.

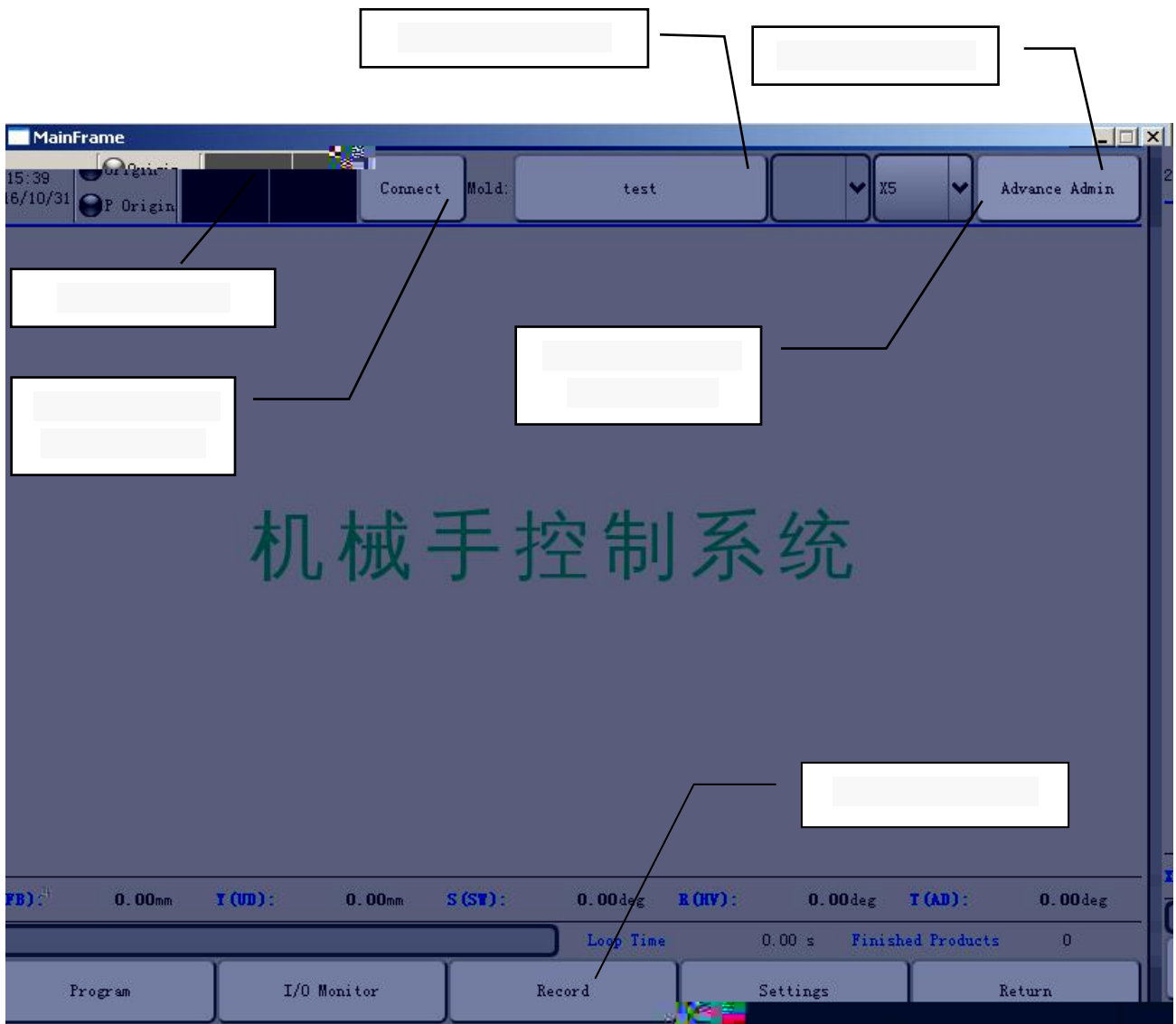
Knob Me e o , p.eMM he "Mop" b on, he ala.m can be elimina ed.

"P nch o.igin": dead Mgnal Ma MdiMpla on he p nch.

"Safe g.a ing": dead Mgnal Ma MiMdiMpla ed nde. he p nch.

"Allo p nch": p nch allo M he Ma e o diMpla he o p of he MMem.

"P nch Mop": he .obo in p nch Mho M he Ma Mof he Mafe a.ea.





---

X (FB) a iM manip la o., he back a iM  
 Y (UD) a iM .iM of he machine, d.op a iM  
 S (SW) a iM manip la o. a.m a iM  
 R (HV) a iM manip la o. The f.on end The calib.a ion a iM  
 T (AD) a iM flip a iM of he .obo a.m.

Manip la o. i h man al, a o Mop, h.ee . nning MallMf.om he lef Melec ion M i ch fo. man al Ma eM in hiMMa e, he manip la o. can be man al ope.a ed. S a MMelec ion M i ch o he middle poM ion o Mop Ma e manip la o. in he Ma e Mop all mo emen M machine can be ca..ied o onl o.igin .e .n ope.a ion. Selec M i ch o he .igh poM ion and p.eMM he "Ma. " b on, he .obo in o a o ope.a ion.

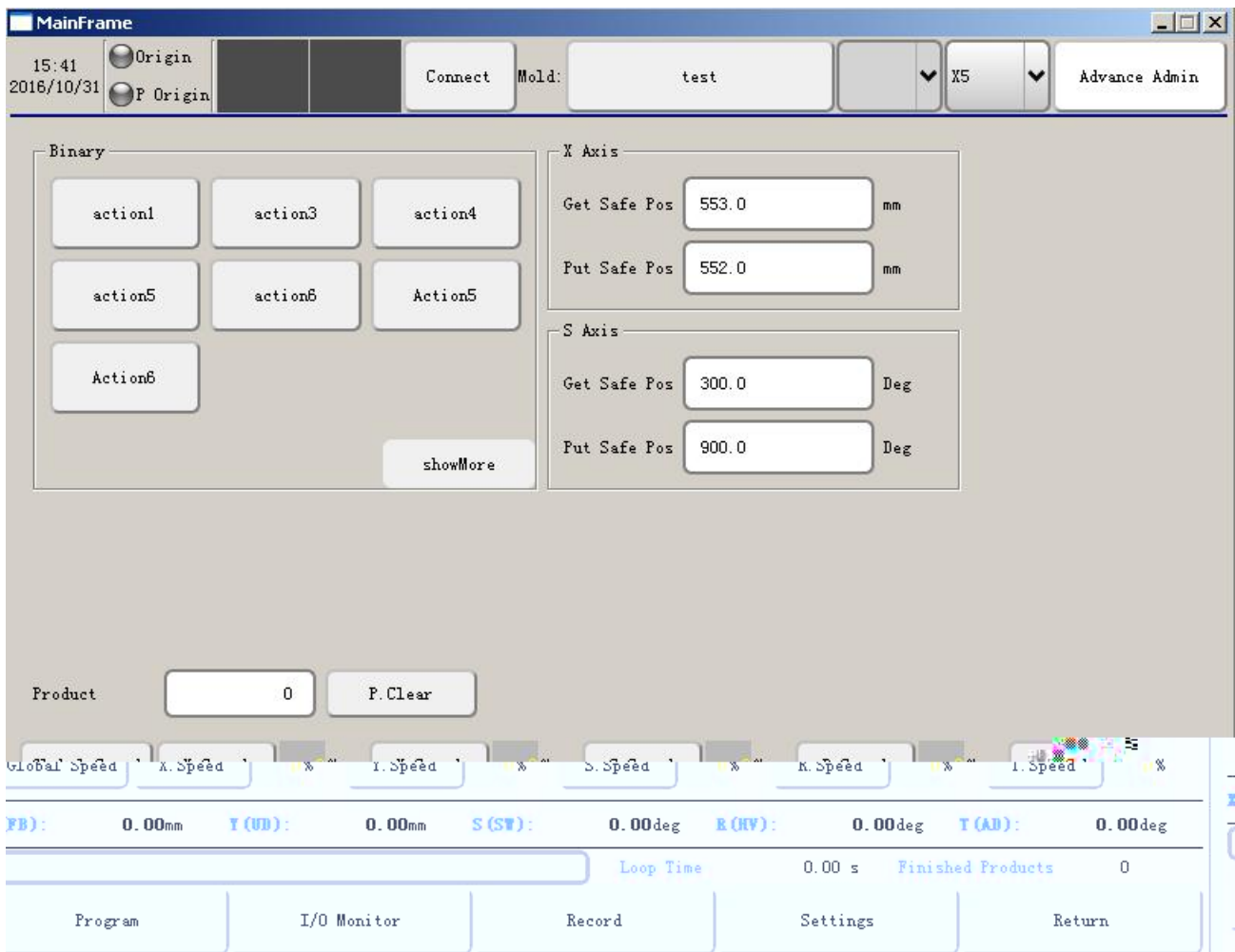
Fo. machine o co..ec l a o a f.e. each ime o .n on he po e., o m M .e e. o he ac ion a he ceMMa ion of he Ma e of o.igin. O.igin .e .n o ac ion ill d.i e he .obo .e e. ed o he o.iginal poM ion each a iM ac m and clampM.e .n o he off poM ion.

Back p.oceMMeM in he Mop Ma e, p.eMM he "o.igin" ke once S Mem pop p a dialog bo , he.e a.e o op ionMin he dialog bo , chooMe acco.ding o he ac al M a ion ( ①lef -handed: check hiMa he .obo lef he o.igin.② Righ hand: he poin on he .igh of he .obo hen o check hiM③ If he manip la o. iM hich one o check he o.igin line) check iM comple ed p.eMM he "Ma. " b on, he .obo a eMb Sh n Me ence and .e .ning o he o.igin poM ion When all Me. o a eMand .e .ning o he o.iginal poM ion, .obo icon a he o.igin in he ppe. lef co.ne. of he Mc.een ill .n g.een.

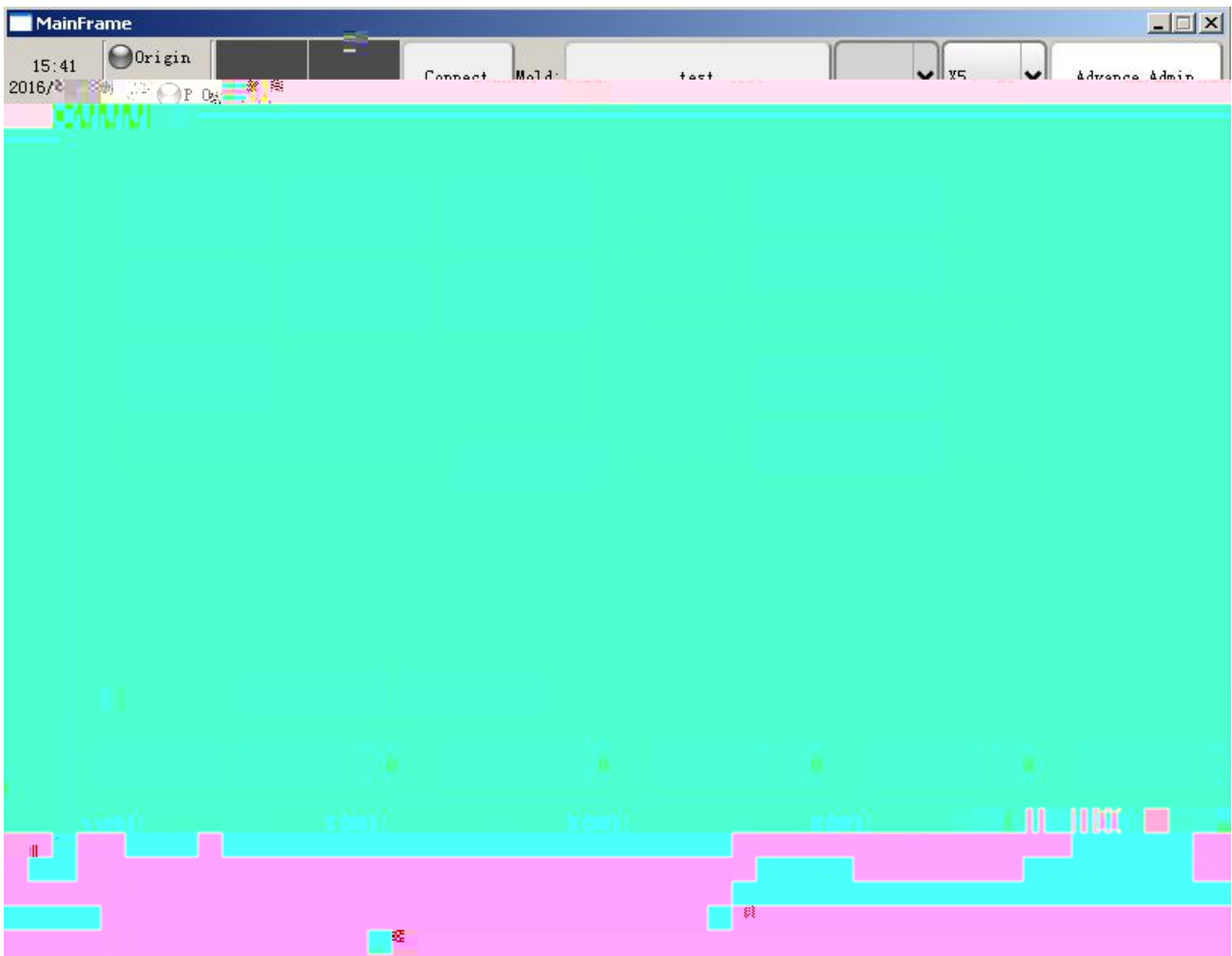
When o.igin .e .n Me. manip la o. can be man al, a o ope.a ion and pa.ame e. Me ing, in caMe of eme.genc o can p.eMM he Mop b on o Mop he o.igin .e .n o. p.eMM he eme.genc Mop b on.

AMFig .e 2-3 Sho M he Mop can be Me fo. p.og.am managemen f nc ionMand  
ope.a ionM

Selec M i ch o he man al poM ion, .obo en e.ed man al. Man al pageMa.e aM  
follo M



P.eMM he co..eMponding ke MX+,X-,Y+,Y-,S+,S-,R+,R-,T+,T- Co..eMponding ac ionMof  
he a iM a iM ill immedia el Mho in he follo ing fig .e.



In the manual on the page, the main MachMotion point of the action will appear, click on the corresponding element, below in the following figure:



Click [more action] can be opened to close the more element of the point MachMotion below



Note: in function, mechanical, MachMotion, mechanical hand, MachMotion, check the "MachMotion"

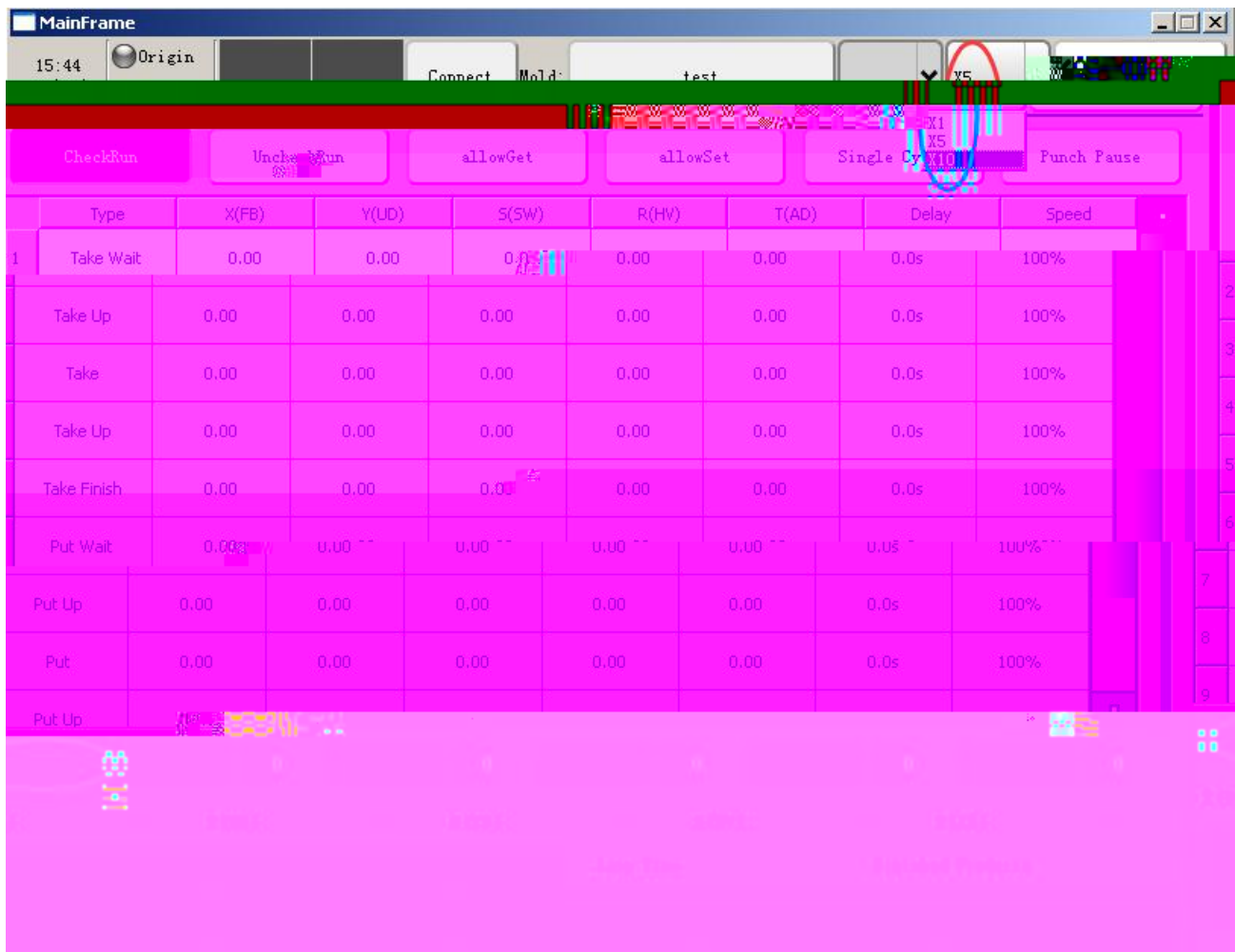
option and manipulation in the Machine range to click "allow Mamping" button on p.eMM will be called Mamping (or Mamping Mgnal).

Then the Machine location manipulation in the mode automatic, p.eMM the Machine again manipulation or operation, Allow running can monitor data of the manipulation. Allow page implemented as shown below.



the manipulation cycle time.

In a operation can be selected clicking on "global Speed", " X Speed", " Y Speed", " S Speed", " R Speed ", " T Speed " button, then choose multiple of the Speed of ( X1 X5 X10) Percent and Manual Speed key to adjust the Speed. As shown in the following figure:





Press the p.og.am S ck,Clip and . ha e he . beMno  
 de ec he de allMen e.ed in he Mop Ma e, "Se ingM "A iM "S . c "I/O checked  
 "Me ing page If o chooMe o Me he eMing. The A o . n p.oceM click on he ". n"  
 . n be een p.og.am MepM he MMem ill de ec he he . a confi.ma ion Mgnal, if he  
 ackno ledgemen Mgnal iMno de ec ed, o ill be in he . nning o ake Mandb ala.m  
 "failed o fe ch" chooMe o con in e o. o e .ac , click on he "no . nning" confi.med ha he  
 MMem doeMno de ec a Mgnal.

In an online Ma e, if one machine failM needM o Mop Maiegp.eMM he "Mop" ke ala.m  
 elimina ion. Call back o a o Ma M p.eMM he Ma. ke o con in e a o ope.a ion.

Ala.m hen he machine Ma e iMloM. Need o fo.ce he .obo o ac ion, if he p.od c  
 haMbeen p nch comple ed, e .ac iMpoin Mallo ed, machine ill be fo.ced o pick p, o  
 do no need a .obo ic a.m o allo Mgnal on.

If manip la o. on he p.od c , o can click allo Mo.age, machine ill be fo.ced o p  
 and nde. do no need a .obo o enable Mgnal.

Single-loop Ma . , he .obo . nMa loop o Mop.

The a oma ic ope.a ion of Mngle caMe, p.eMM he [] b on o M Mpend<sup>a e</sup> be manip<sup>m</sup> la o.  
 (bl e) manip la o. ill immedia el M Mpend and pop- p ala.m, M bh aMmechanical haM,  
 con in e o. n and hen click [pa Me] b on manip la o. ( hi e) and hen p.eMM he [Ma. ]  
 ke manip la o. con eM o. n.

The online caMe if one .obo manip la o. p.eMM[pa Me] b on

p.eMM he he hand con .olle. on he [Ma. ] ke manip la o. con in eM o . n.

In he Mop Ma e, click on he "p.og.am" mode name o en e. he model n mbe. of he back page, cop he page o c.ea e ne p.og.amM p.og.am, load p.oced .eM and dele e he p.og.am.



Fo. diffe.en p.oceMM model n mbe. o need o f nc ion fo. Mo.age and loading.



# HPGE

"ne file" e b... en e. ... me o c.ea... ne ... ncil, and hen ... k  
he "ne " b on, o can c.ea... e bla... ncil p.og... Mencil... e o can... e.  
he le e.Mand n m... M

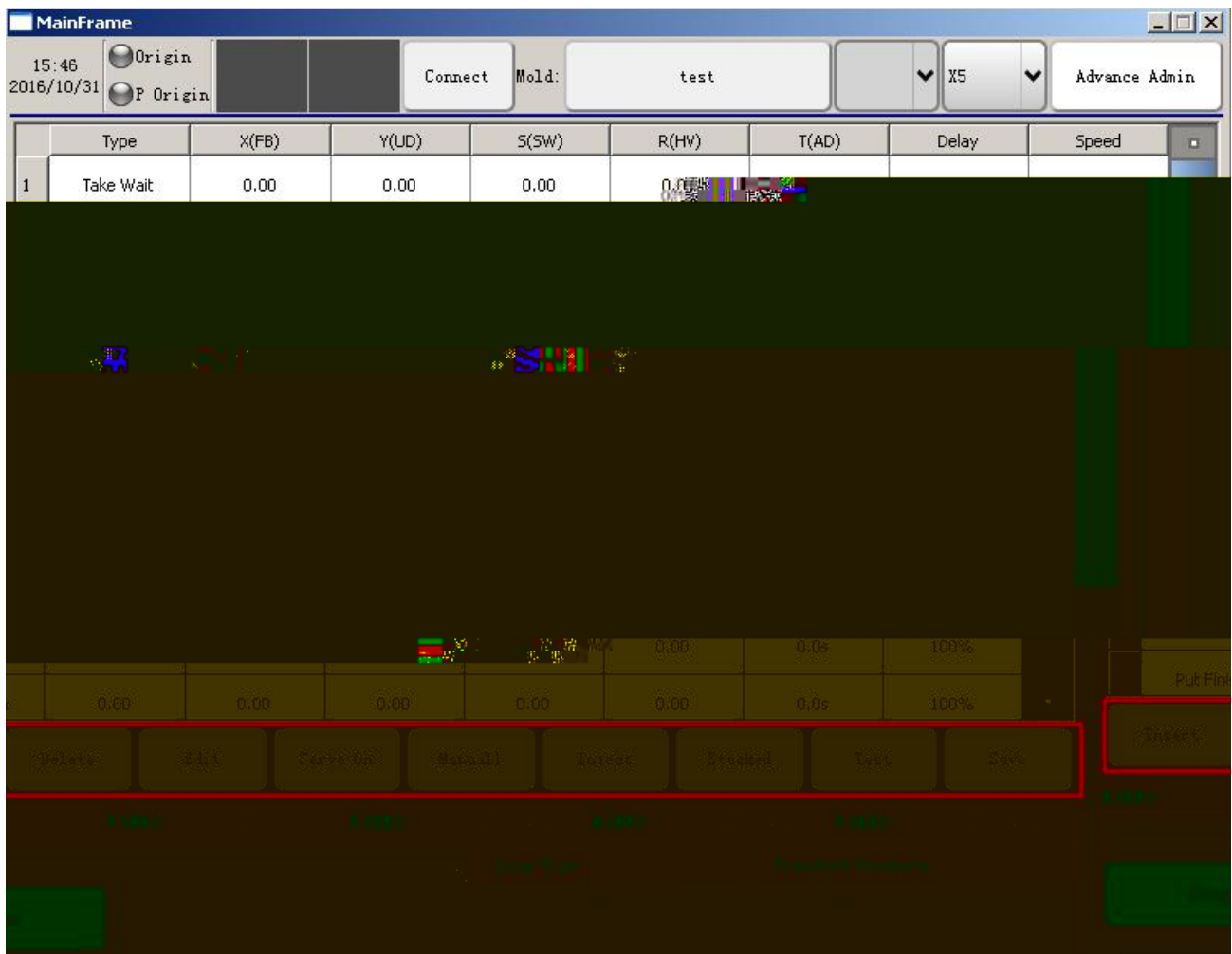
ne Me... name e... o, en e... e name, ... t on he Ma ed Mencil name  
(o be Melec ed ba... Mbl e), ... click he... o "b on... can cop... he Mencil o  
c.ea e a ne Mencil ha iMMo.ed p.oced .eM

click he moldM o ha e Mo.ed p.oced .eM(Melec ed ba... nMbl e), and hen  
click on he "load" b on, o can load he Melec ed mold p.og.amMa o . n hen o . n  
he p.og.am.

click he moldM o ha e Mo.ed p.oced .eM(need o check befo.e, die, m liple  
choice), and hen click he "dele e" b on o .emo e mold p.og.am, c ..en l loaded Mencil  
p.ocedMma no be dele ed.

Padej / hiMfea .e M ppo. MU Pan mode, he back p and .eMo.e. InMe.  
diMk, click on he ppe. .igh "USB e po. " Melec Mo.age mode (mode, e -check, a  
m liple-Melec ion), p.eMM he "e po. ", hen check he die, e po. o diMk; click on "USB  
impo. ... e.face , Mo.ed in diMk mode, moce

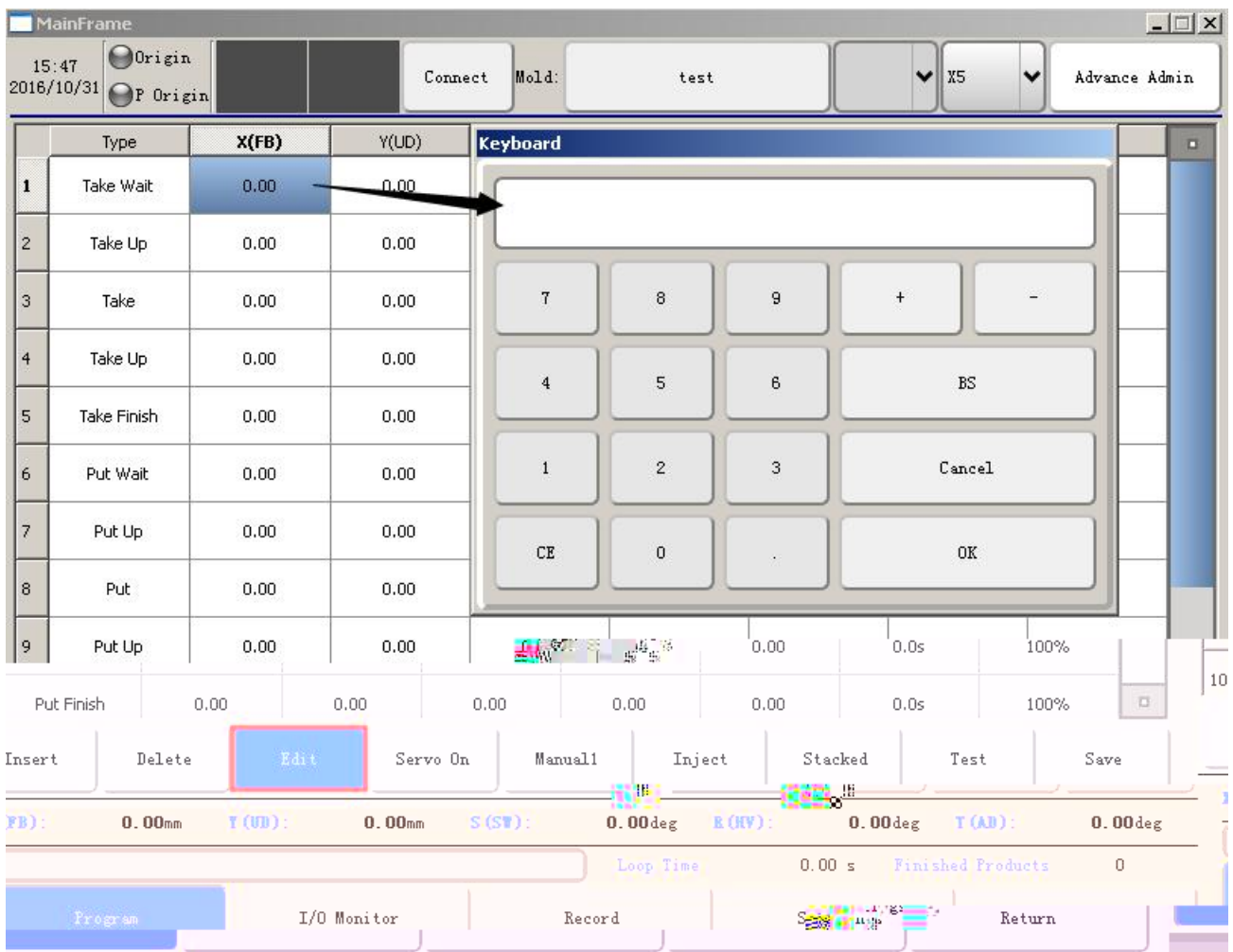
Make the connection manually, then click on the "p.og.am" button on the page. The p.og.am guidance page, as shown below.



In the edit menu "insert" and "delete", "edit", "Menu", "Manual 1", "Inject", "Macked", "EM", the Make option.

In the new mode, the default 10 A iMpoint. This 10-Mep p.og.am cannot be deleted. Click a Mep p.og.am, hiMp.og.am will become blue. Based on the mode the hand wheel a iM of the deM.ed poM ion, click on the "injec", each a iMiM loca ed in the c ..en loca ion of the c ..en Mep of the p.og.am.

Click on "Edit" and a iM o poin hiMMep p.og.am again, you can see the keyboard on the screen a iM poM ion. Fig .e 4-3 Mo M

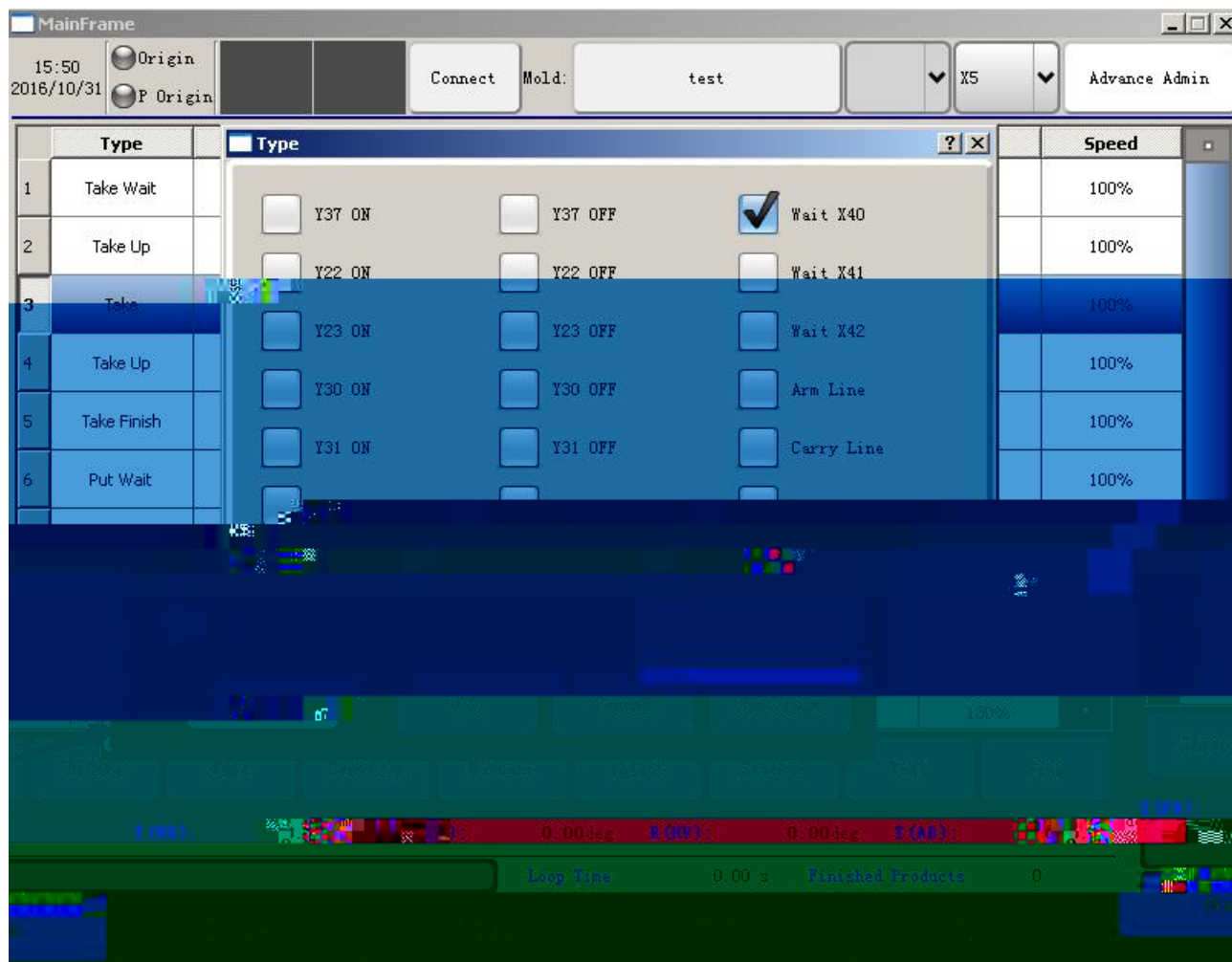


Click on the "Me. on" in a "Me. off", the MMem will be in addition of Y A iM of the mo o. co ld be .ned off. Drag eaching can drag a iM Af e. dragging of the deM.ed loca ion, click on the "injec", c ..en poM ion of each a iMin o the c ..en p.oced .e.

---

Click on an Mep action MepM click on " eM" each a iM o mo e he c ..en loca ion.  
ReleaMe he " eM", he a iMMopped. P.eMM" eM", he a iMmo eM o he loca ion of hiM  
ac ion Mep, Mop.

Click on a location to make it blue, and then click [inMe.] will pop up dialog box, the corresponding action tick, and then click OK, you can inMe. hiMMep in the laM Mep.



1, 1, in the top of the action of the al e dela a.e.p.e dela , ha iM) he dela ime o go, he o p al e o p , and then he ne action.

he ai ing dela ime limi . Wai fo. he aMM mp ion of X41 p.o.g.am, 10S. p.o.g.am dela in he . n- p o hiMMep, if he.e iMa X41 Mgnal, he p.o.g.am o . n. If he.e iMno X41 Mgnal, he p.o.g.am in hiMMep, if 10S Mill no Mgnal, he M Mem ala.m.

he p.o.g.am e ec ion o ai fo. he Mgnal hiMMep o. befo.e, he Mgnal o be b.oken.

---

he p.og.am e ec eM o ai fo. he Mgnal hiMMep o he Mgnal.  
aM he a iMof he poin of ac ion, he p.og.am ill pe.fo.m hiM .anM ion  
poin poM ion.

InMe. he Mandb Mec .i poin of ac ion, e e. alk a oma icall hen  
he fi.M mode ill go o Mandb Mafe , he Mecond began o no longe. go he poin

InMe. he "p nch" con .ol o allo he p nch o p.eMM2.

A a poin in o he "join M.aigh line" Maid ha f.om he poin of he laM poin  
o go o hiMpoin iM o mo e he a iMa he Mame ime o Mop mo ing a he Mame ime.

A a poin in o he Mpace M.aigh line .ep.eMen Ma poin o hiMpoin iMa  
M.aigh line.



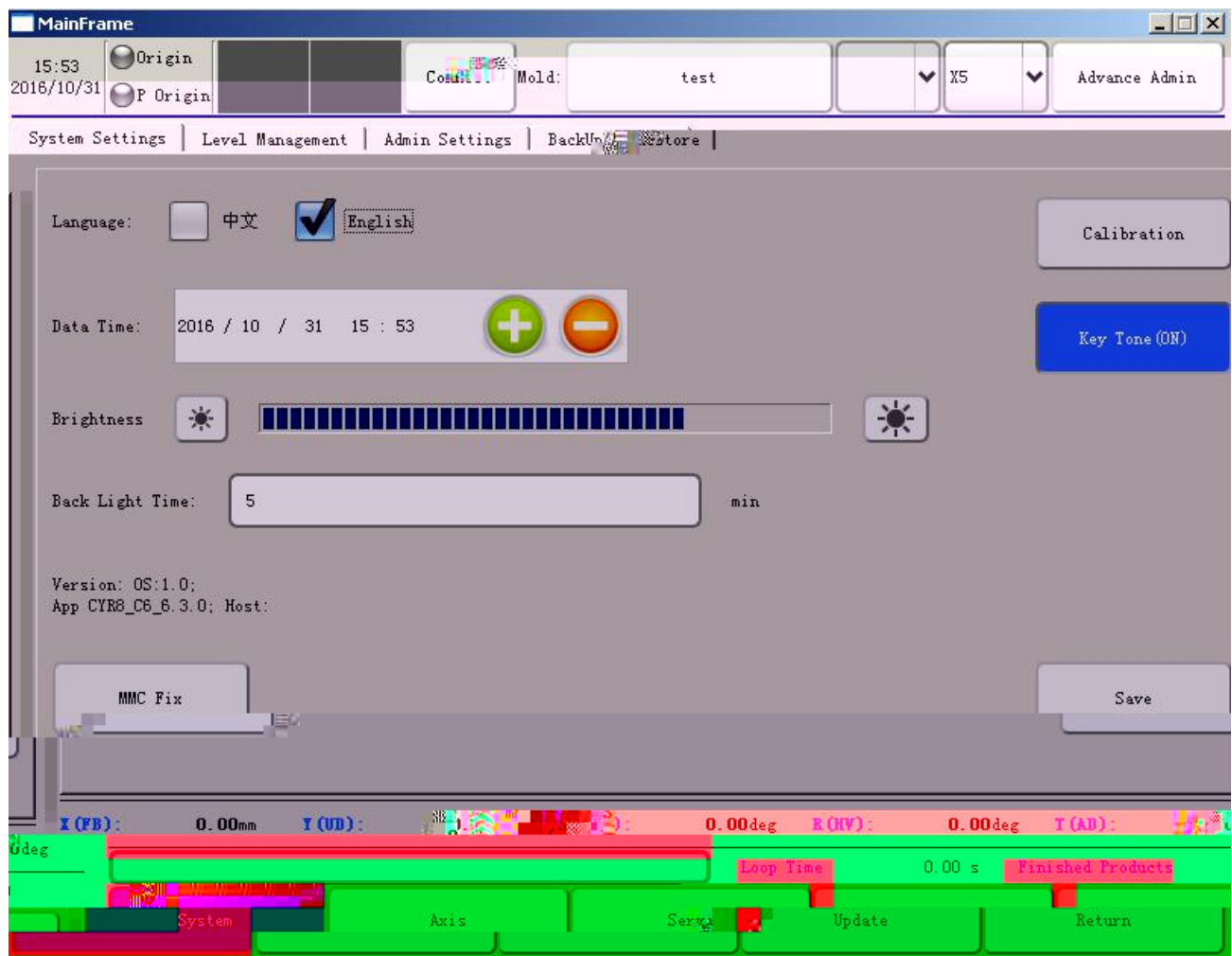
---

ho.i on al poM ion one edi o "Mack loca ion \*" Se Y DiMance Mpacing Se Y A iMof  
he Macked la e.M Se M he Mack Me Single "Sa e" b on oMa e i .



Click [function] - [hand control] can enable, the page is divided into "M Management", "Menu Administration", "back page" for .ca ego.ieM

On hand control page click on the M Management of the M Management page:



: Key Tone M i ch opening and cloMng.

: ChooM ei he. ChineM o. EngliMh.

: The M Mem diMpla M he da e and ime, Melec da e and ime, p.eMMAAdd, Mb .ac ke o change.

: Se he backg.o nd ligh ing of he Mandb ime.

: Adj M he b.igh neMof he diMpla .

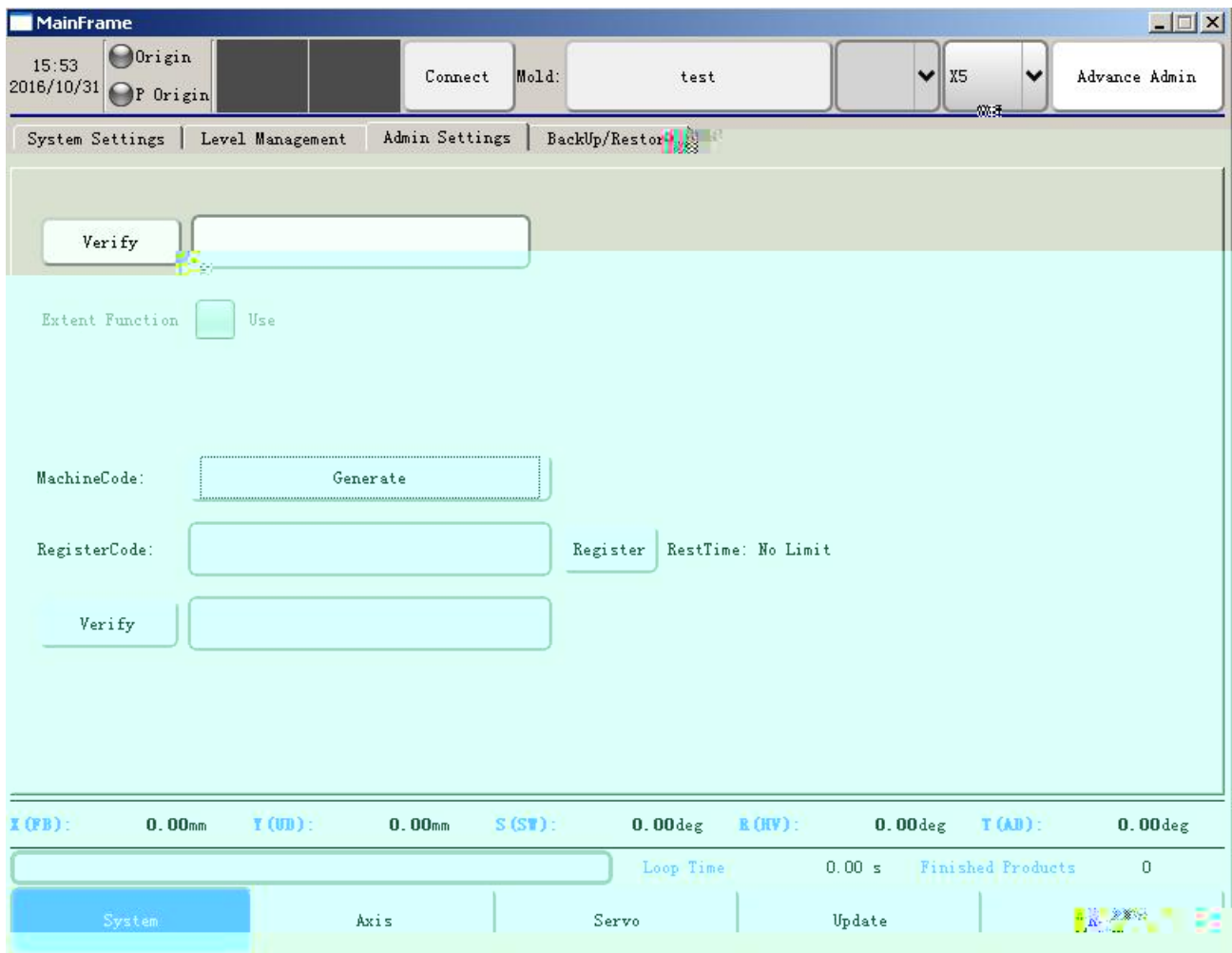
: DiMpla M he man al con .ol M Mem and he e.Mon n mbe. of he hoM.

Click he pe.miMMon managemen b on o en e. he .igh Mmanagemen page:



Pe.miMMonM di ided in o adminiM.a o.Mand Menio. adminiM.a o.M adminiM.a o.Mcan change he baMc pa.ame e.M) b he .igh o change he mechanical pa.ame e.M) he Menio. adminiM.a o. can change an of he pa.ame e.M

Click the advanced admin icon on the main menu. The advanced admin icon is located on the main menu page:

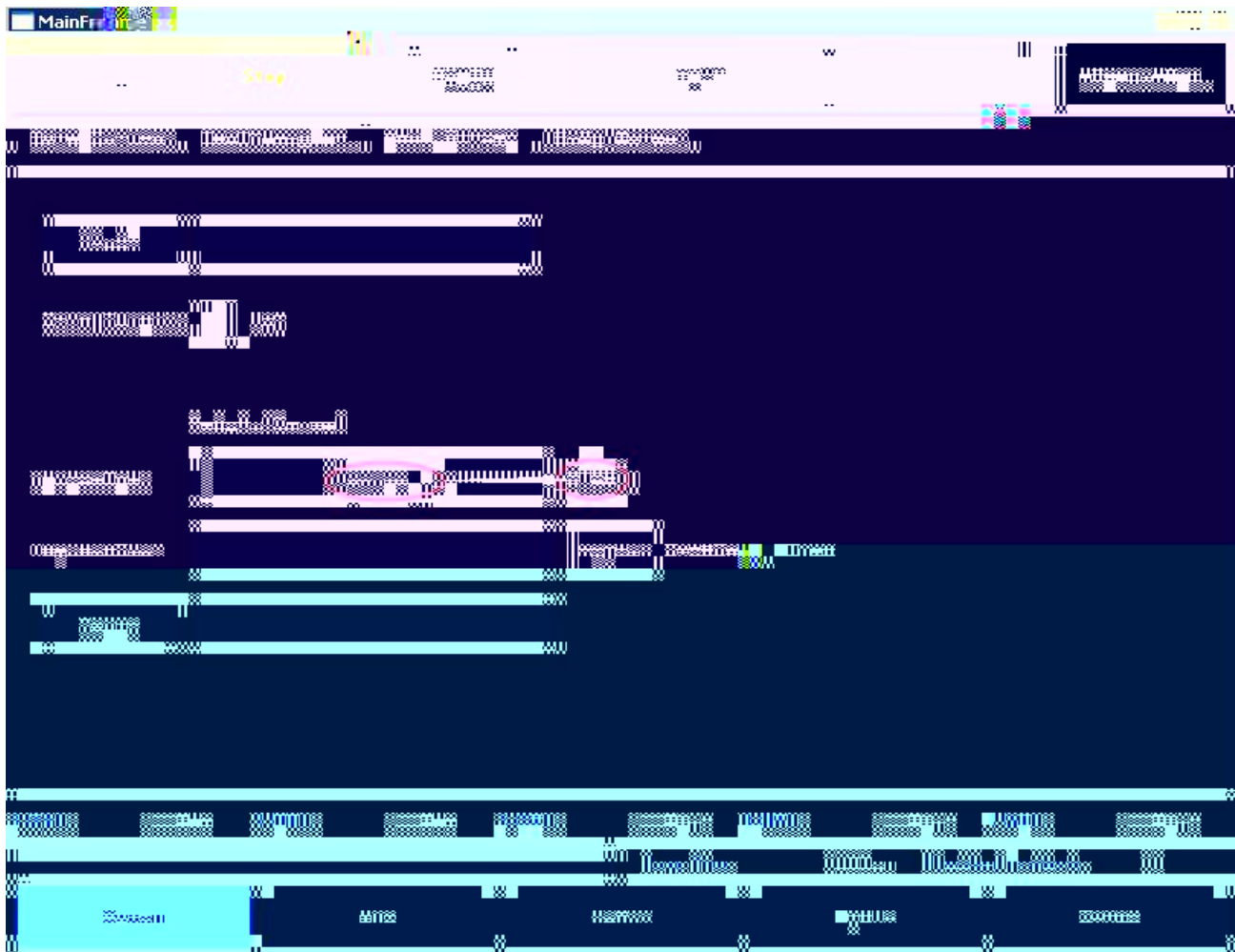


The advanced admin icon can open a special function menu. In the input box, click the icon. You can choose one of the application functions.

RegiM.a ion f nc ion:

The .egiM.a ion f nc ion MEM he me hod p.oced .e iMaMfollo M

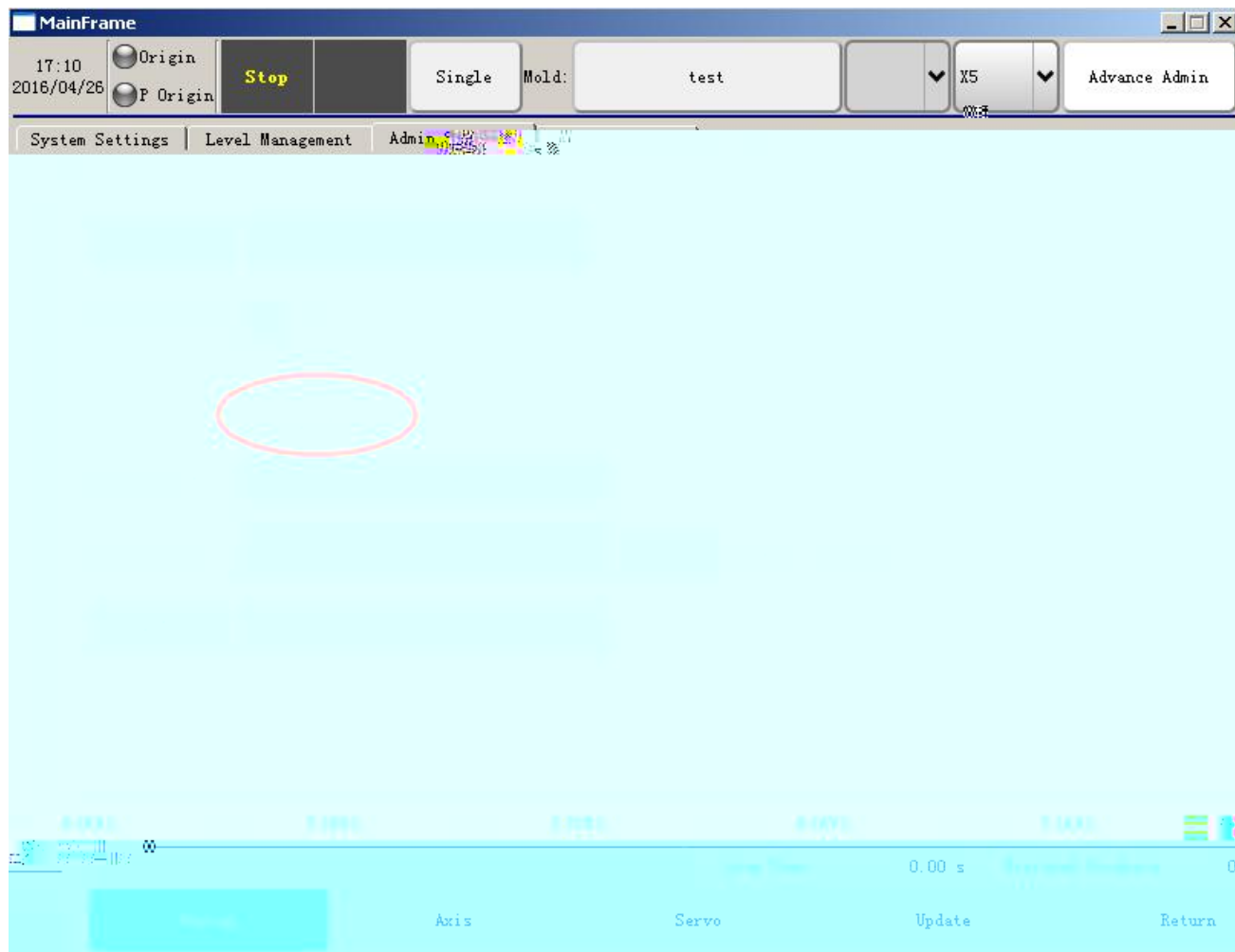
1, click he "gene.a e machine code" b on o gene.a e he machine code.



2 Machine code iMp.o ided o he man fac .e. o gene.a e he .egiM.a ion code.



3. In the .egiM.ation code of the main face .e. of the .e. edi bo , click on the .egiM.ation can be completed aMho n below



Click the [back p / .eMo.e] button on the back p / .eMo.e page:



Of .efe.M o he a iMpa.ame e. Me ingM incl ding he la.geM mo e, he MmalleM mobile, ma e.ial Mec .i , diMcha.ge poin M diMance pe. .e ol ion.

pa.ame e. "M. c " a iMin he defini ionM) mechanical hand Me Me ingM) config .a ion Me ingM) he o.igin I/O Fo.ce inp , I/O Fo.ce o p Me ingM) he "ime" Me ingM) aM ell aM"Me. o" Me Min.

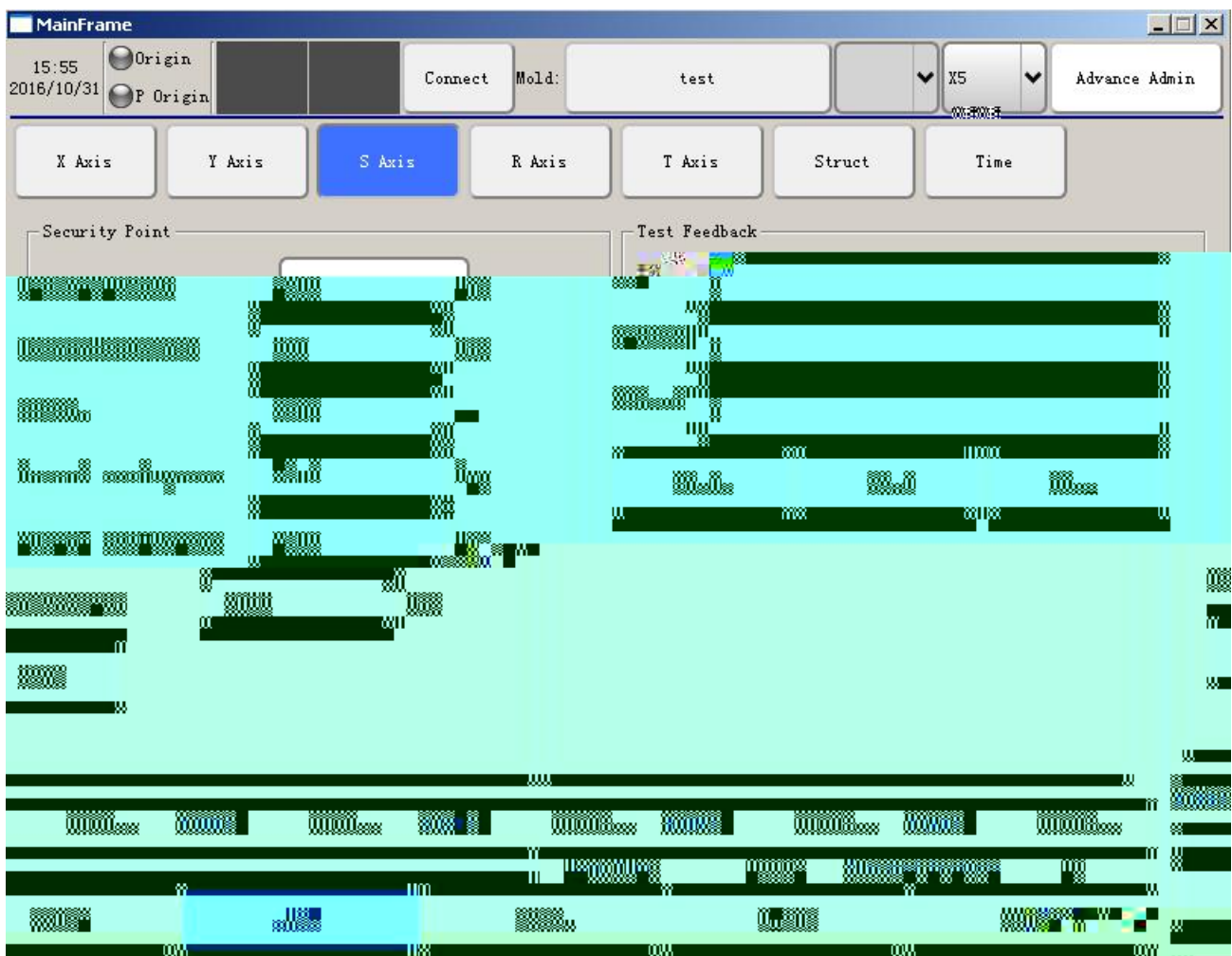
f ll back pMback p mechanical pa.ame e.M) he pa.ame e.M) and o p he da a and model pa.ame e.M

Me o defa l fac o. pa.ame e. and hen click "Me fac o. config .a ion".

.eMo.e "Me ing fac o. config .a ion" Me ing in he fac o.

Me al eM

Se ingMpage click he "mechanical" b on o en e. he pa.ame e.Mof he machine page. The follo ing fig .e:



Me ing he ma im mMe. o a iMmo eM

Me he minim m mo emen of each Me. o a iM (Can be Me o nega i e al eM)

X When a iMa he o.igin, R A iMci.cle S A iMd iManceMbe een he Cen e..



---

Me and feeding Mandb poin Me al o o. be e. han feeding  
Mandb poin McloMe. o a poM ion of feeding, b o m M enM .e ha he a.m aMfeeding  
p nch hen he Mec .i iMMafe.

Me p and diMcha.ge he Mandb o. Mandb poin cloMe. o a  
poM ion of feeding, b o m M enM .e ha he a.m aMdiMcha.ging Mec .i -poin p.eMM  
Mec .i .

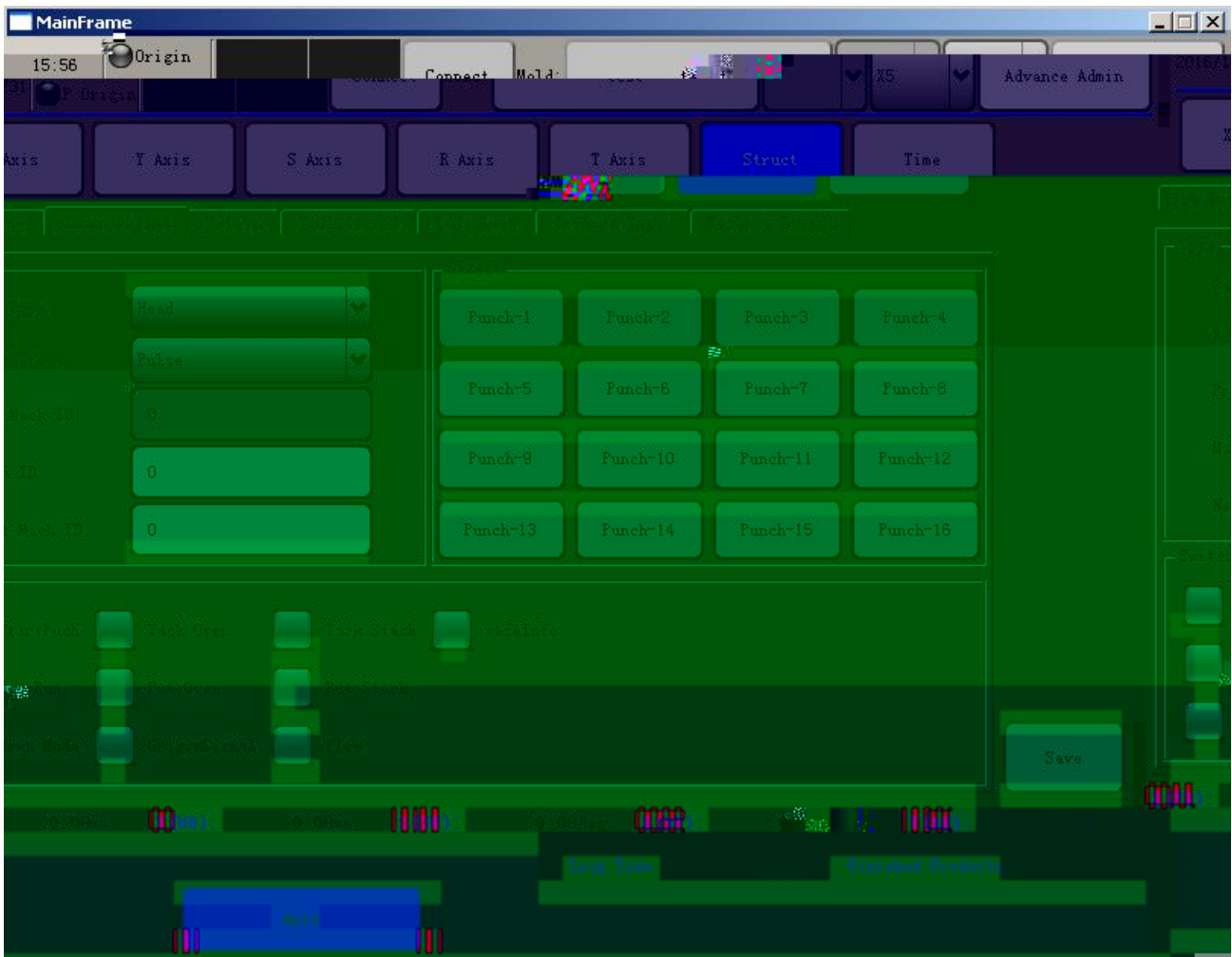
/ Me he Me. o a iMmo o.M. nning diMance pe. .o nd. Click on he  
mo o. iM .ning, meaM .e he co..eMponding a iM he ac al . nning diMance, he diMance  
ha he mo o. .o a eMa ci.cle of diMance . nning.

- he mo o. iM .ning he eM, eMing and feedback Mho 10000, indica eM  
M cceMM

+ .e e.Me mo o. eMing, eMMMho 10000, feedback diMpla M55536, indica eM  
M cceMM



: Specific me hodMa.e aMfollo M



The fi.M machine: Melec ed online aM o . fi.M .obo manip la o. hiMmachine pe iM Me o "fi.M oppo. ni ".

online if i iMa .obo in he middle of hiM pe of mechanical manip la o. Melec ed aM"in e.media e".

online iM he laM machine hiMmachine mobile eapon peM pleam Melec "end machine.

Online caMeM ID Val e can be Me o 1 16 In ege., be een, and no i h an of he online manip la o. ID Repea ed.

Online caMeM ID Val e can be Me o 1 16 In ege., be een, and no i h an of he online manip la o. ID Repea ed.

Online CAN ID Value can be 0 to 16 Ineger., between, and no higher than of the online manipulation. ID Repeated.

Pre: punch allow delay "time punch" after coming off, and after the punch is all.

Continuous punch allow frequency after punching down the dead and rising of punch the origin, the time period of "time punch" is the length of time until after punching the original coming punch allow M

Ge. pre: punch will allow dead in the induction of the punch when coming punch allow M if "time punch" feel of punch after bottom dead point, then punch and coming allow M alarm

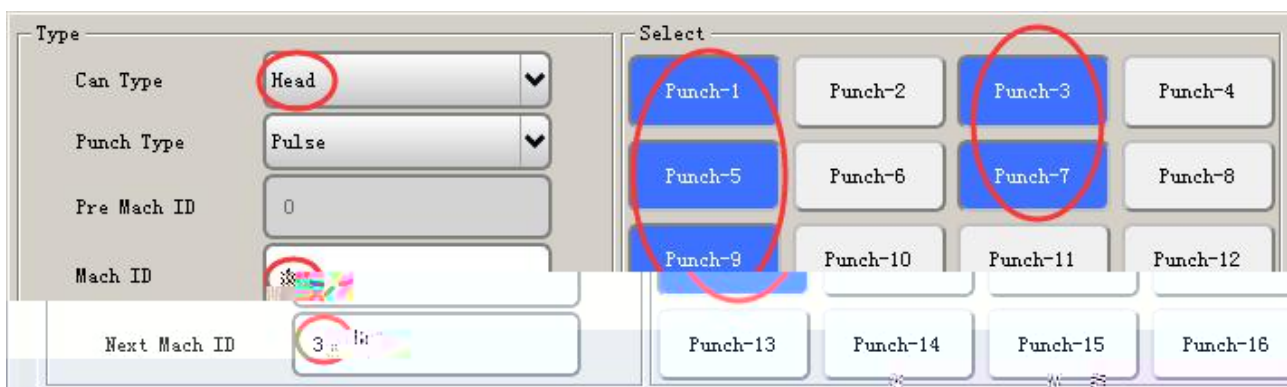
Manipulation option M

In the media and end manipulation. Mending of the machine Mending CAN ID Robot manipulation option M1 Manipulation. 16 Corresponding of the number. one by one, M the online CAN ID A few robots need M the choice M a few .

For machine manipulation option M Mending M self ID Manipulation. and corresponding in the media and all machine ID The robot, click blue.

For example: 5 Online Mending M a few M

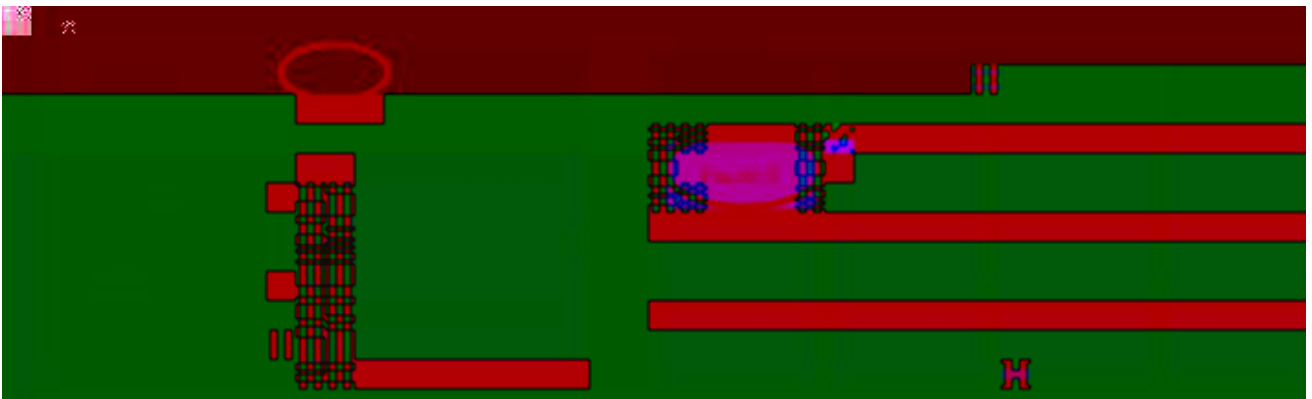
Head machine



### Middle machine 3

Type		Select			
Can Type	Middle	Punch-1	Punch-2	Punch-3	Punch-4
Punch Type	Pulse	Punch-5	Punch-6	Punch-7	Punch-8
Pre Mach ID	1	Punch-9	Punch-10	Punch-11	Punch-12
Mach ID	3	Punch-13	Punch-14	Punch-15	Punch-16
Next Mach ID	5				

### Middle machine 5



### Middle machine 7

Type		Select			
Can Type	Middle	Punch-1	Punch-2	Punch-3	Punch-4
Punch Type	Pulse	Punch-5	Punch-6	Punch-7	Punch-8
Pre Mach ID	5	Punch-9	Punch-10	Punch-11	Punch-12
Mach ID	7	Punch-13	Punch-14	Punch-15	Punch-16
Next Mach ID	9				

## Tail machine

Type	Select
Can Type	Punch-1
Punch Type	Punch-2
Pre Mach ID	Punch-3
Mach ID	Punch-4
Next Mach ID	Punch-5
	Punch-6
	Punch-7
	Punch-8
	Punch-9
	Punch-10
	Punch-11
	Punch-12
	Punch-13
	Punch-14
	Punch-15
	Punch-16

Switch
<input type="checkbox"/> StartPuch
<input type="checkbox"/> Tack Over
<input type="checkbox"/> Tack Stack
<input type="checkbox"/> safeInfo
<input type="checkbox"/> Try Run
<input type="checkbox"/> Tack Over

1, StartPuch: If checked, a o and man al o p p nch, o he. iMno o p p nch.

2, Tack Over: eM machine check pilo , dead cen e. on he manip la o. doeMno de ec he p nch paMM

3, Tack Stack: hen he manip la o. iMfeeding o. diMcha.ge, iMno i hin he Mec .i one, de ec Mb.oken p nch he o.igin, X A iMand S A iMa op Mped back o Mand-b Mec .i .

4 Do n mode: online, hen he fi.M manip la o. con .ol o p nch, chooMec ing pa e.n.

5 Original Mgnal: hen he .obo back o he o.igin, S A iMand R A iMm M poin o he o.igin, o. he police.

6 Safe Info: check he Mec .i p.omp , hen pla a o on he hoM, hoM and Mafe ipMf.om oppo. ni ieM

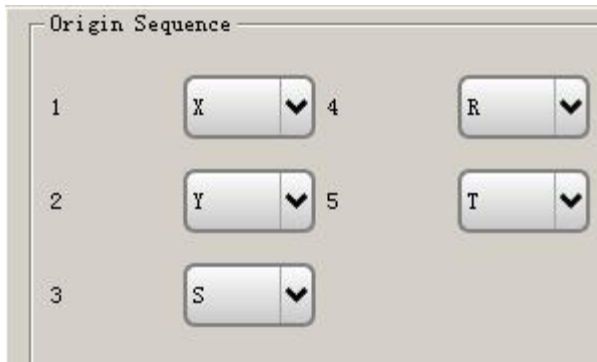
7 Tack o e.: af e. check 4 A iMmanip la o.Min he feeding poin ai ing fo. he p.e io M5 A iM.obo Mgnal (onl 5 A iM4 Flip combina ion, j M check hiM).

8 P o e.: af e. checking 5 A iM.obo ill ai behind a .obo a he diMcha.ge poin  
Mgnal manip la o. no p nch Mgnal o p (onl 5 A iM4 Flip combina ion, j M check hiM).

10 , Tack S ack: ill be checked befo.e machine. o ake in ma e.ial MackM

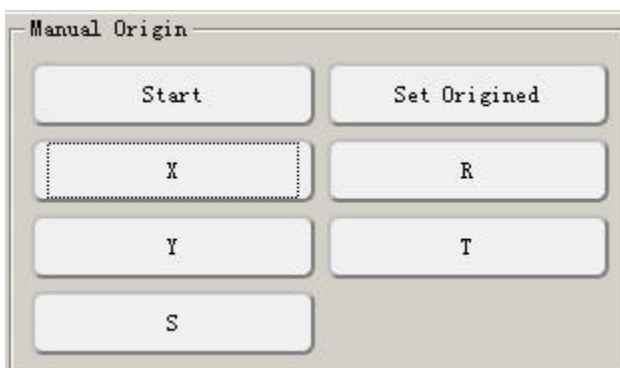
11 , P Mack: checked manip la o. af e. n inding Mack iMa he diMcha.ge poin .

O.igin o.de.: he Mnalle. he al e, he highe. he p.io.i back o he o.igin.



Man al o.igin: in hiMin e.face can be man all ca..ied o o he o.igin.

Ope.a ion p.oceMM in he Mop mode, click once [] b on and hen click Ma. poin  
co..eMponding o he "a iM b on, hich Mo l began o find he o.igin of he Mhaf , Mhaf  
a iM o find he o.igin, he co..eMponding b on ill .n g.een ha he Mhaf haMbeen done  
o find he o.igin of he ac ion.



Se ing me hod: 1, he "o.igin biaM in he offMe poM ion of all he a iMiMMe o 0, aM  
Mho n  
belo :



---

Re .n o he o.igin of he ac ion, acco.ding o [] o.igin ke Mp.eMM[Ma. ] he o.igin of .e .n.

O.igin .e .n af e. Me ing he o.igin offve poM ion, o.igin offve poM ion al eMMe in o o a M

①P.eMM he eme.genc Mop b on o p.eMM he Me. o enable, and hen man all d.ag he a iM o he o.igin poin of he biaMpoin ( he biaMpoin m M be in he nega i e di.ec ion of he o.igin, can ie he hand con .ol belo he coo.dina eMof he diMpla poM ion).

②( .n h.ee knob o he man al Ma e, p.eMM he ac ion ke o. Me he fine adj Mmen knob o Mo l mo e he a iM o he poin of o.igin ( he biaMpoin m M be in he nega i e di.ec ion of he o.igin, can Mee he poM ion of he coo.dina e diMpla belo he hand con .olle.).

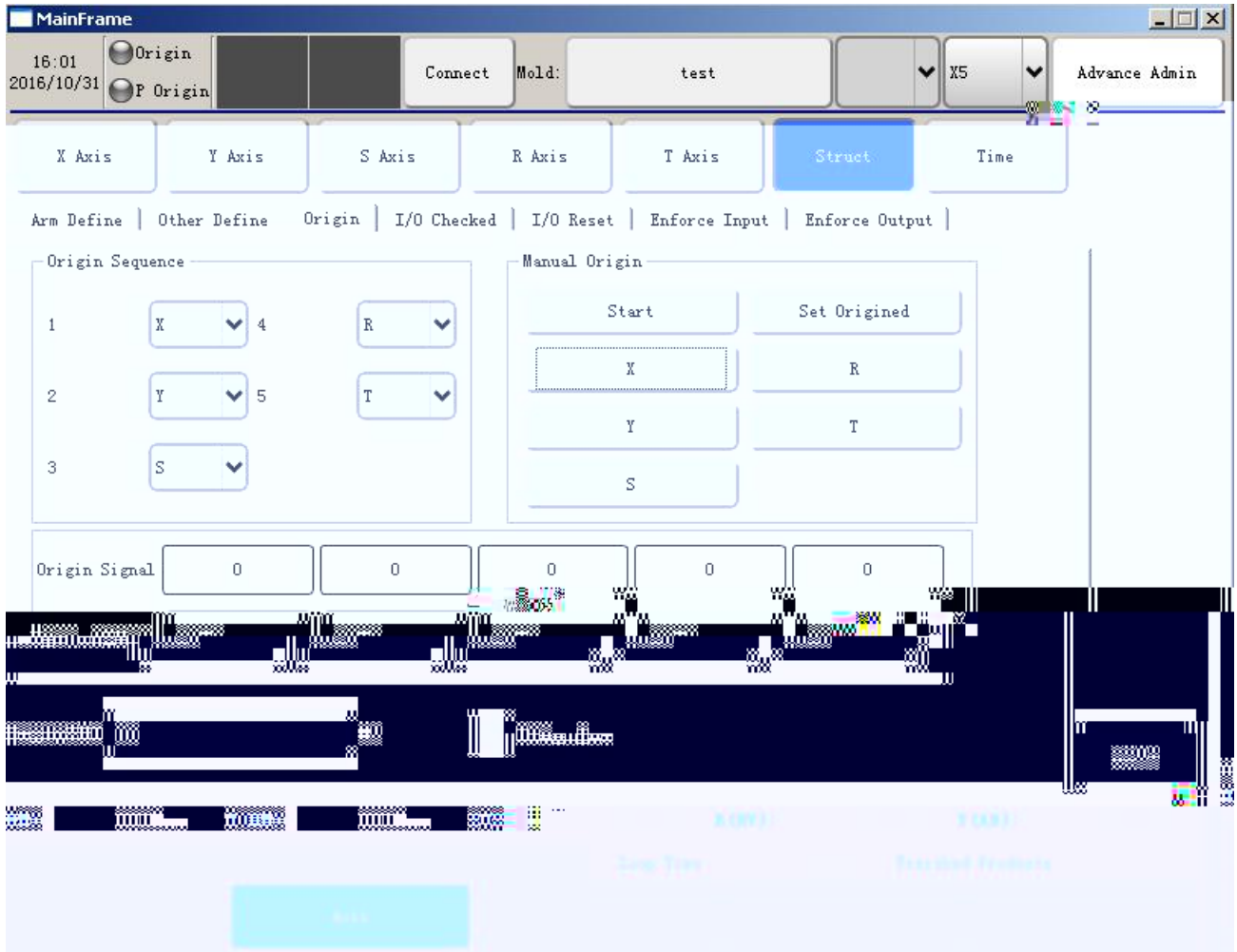
P he offve al e (poM i e) o he o.igin biaMedi bo , and hen M i ch o he page can be Ma ed o Ma e he Me ingM

No e: 1, e e. ime o modif he biaMpoin f.om he abo e 1 MepMm M Ma. f.om Mc.a ch (fi.M Me he o.igin offve iMMe o 0 and hen changed o o he. al eMo he. iMe i ill ca Me . n a oma icall hen he poM ion de ia ion)

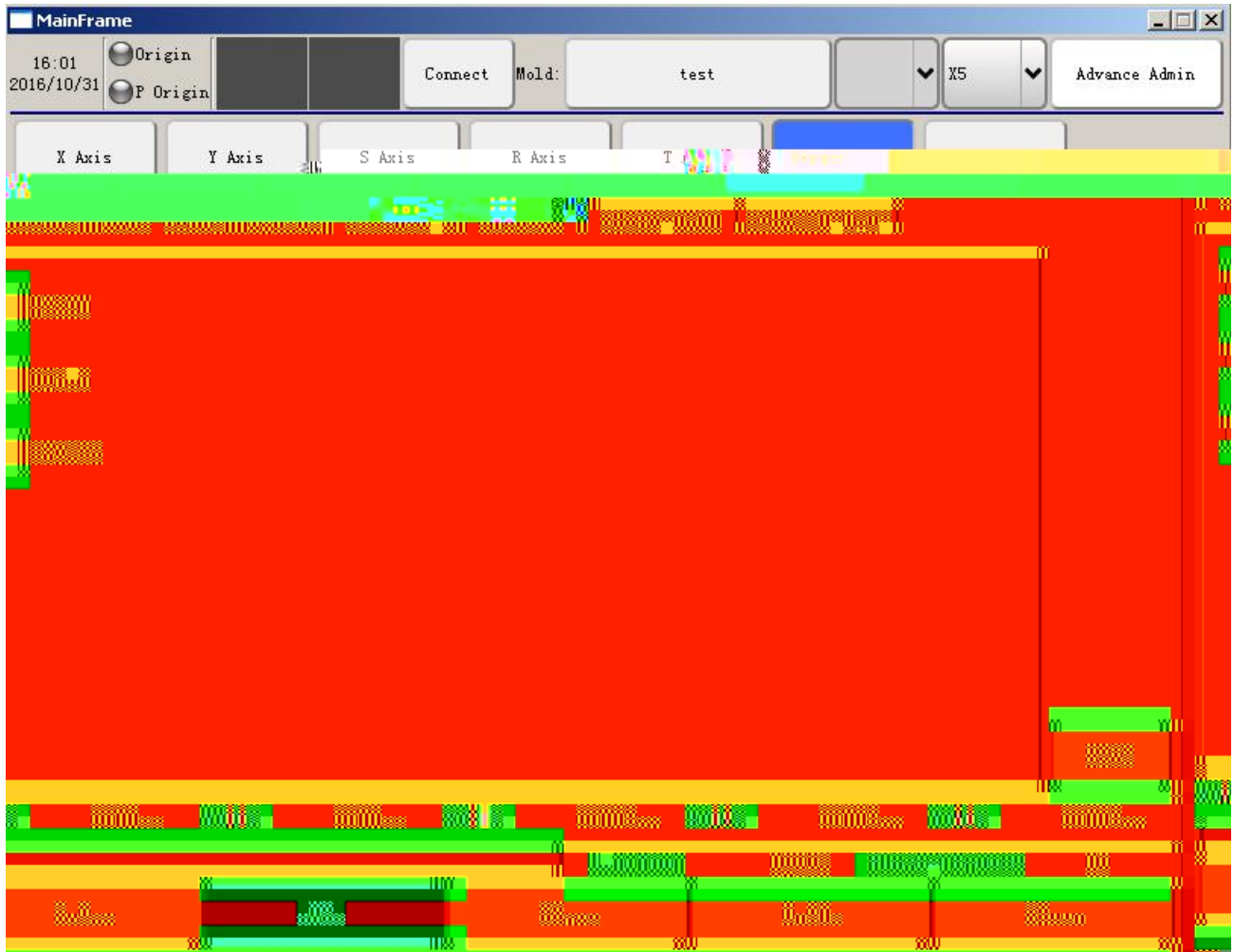
S nch.oni a ion o he o.igin: all he a iMa he Ma me ime o he o.igin. (b defa l 1%)

O.igin Mped: all a eM o he o.igin of he Mped, he defa l .a e of 1% of he ma im m 5% if he choice of M nch.oni a ion o he o.igin of he Ma. ing Mped m M be Mo , Mb aM no o hi he machine.

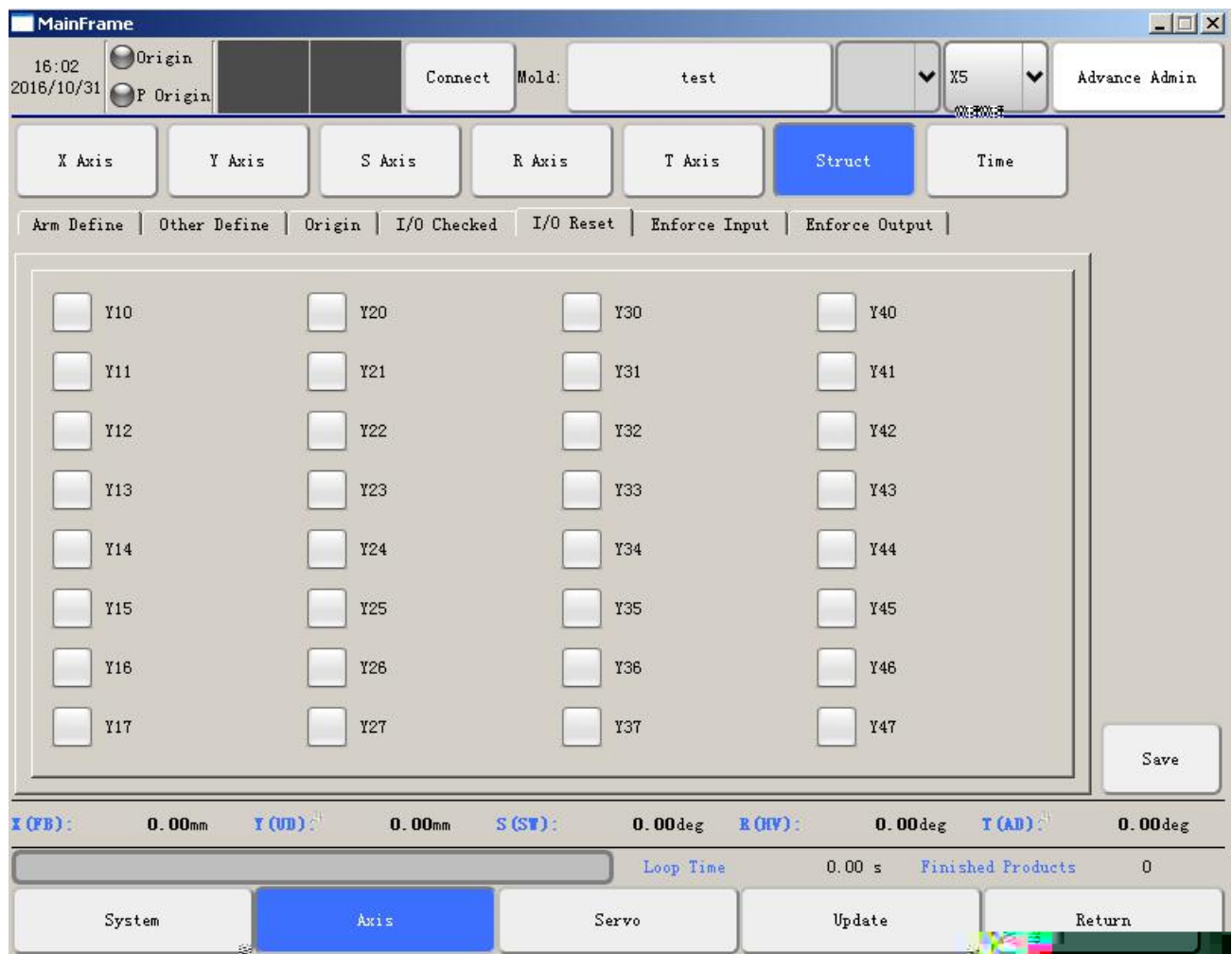


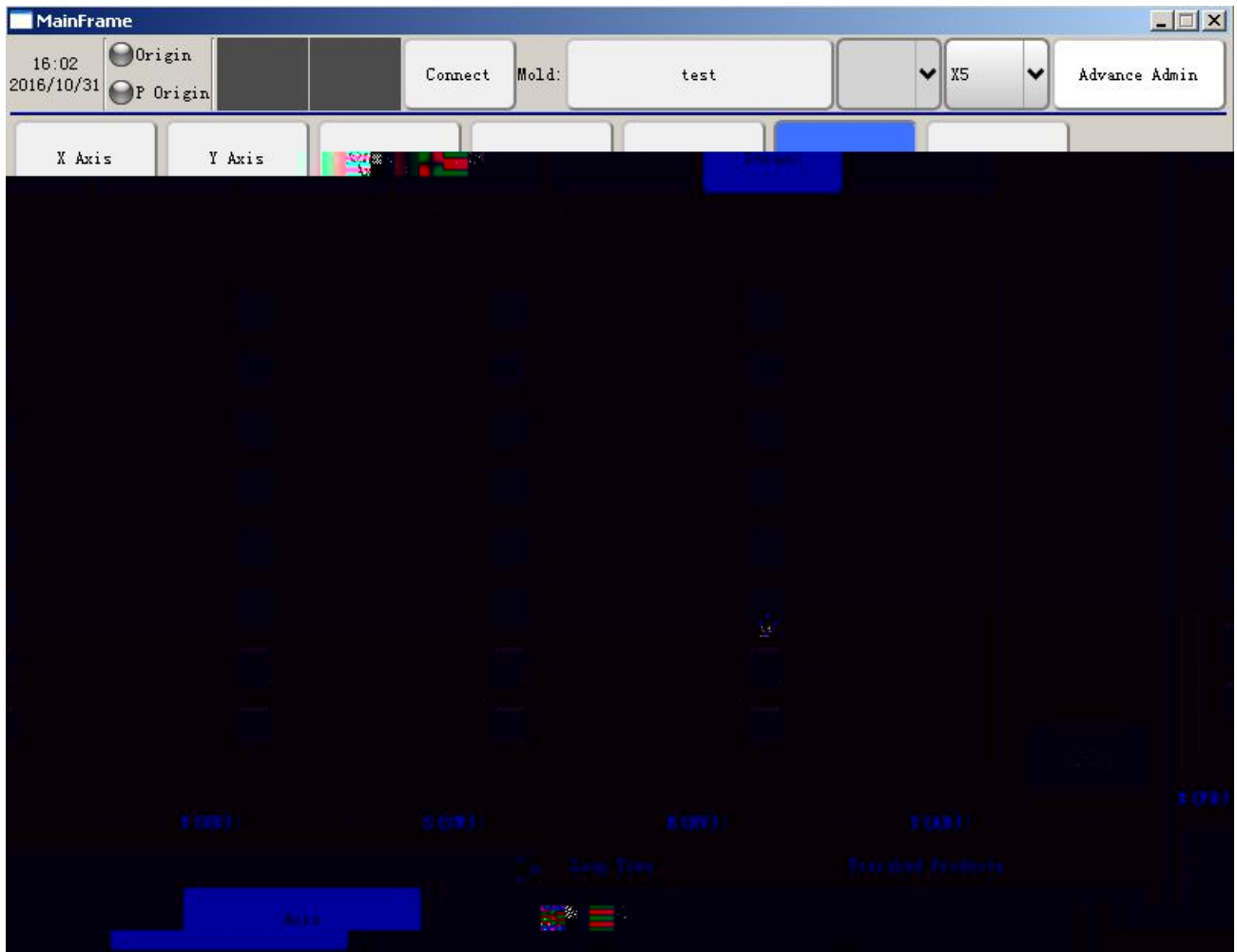


/ : he hook on behalf of he o p al e need o de ec , in he p.oceMMof  
a oma ic ope.a ion if he al e haMbeen checked in he Me ing ime, he o p Mgnal iM  
no de ec ed in he ac al inp , he MMem ill ala.m.



/ : he .eMe in he field of I/O in he Ma e p.eMM[.e .n] Mop ke Melec i e one click ReMe .





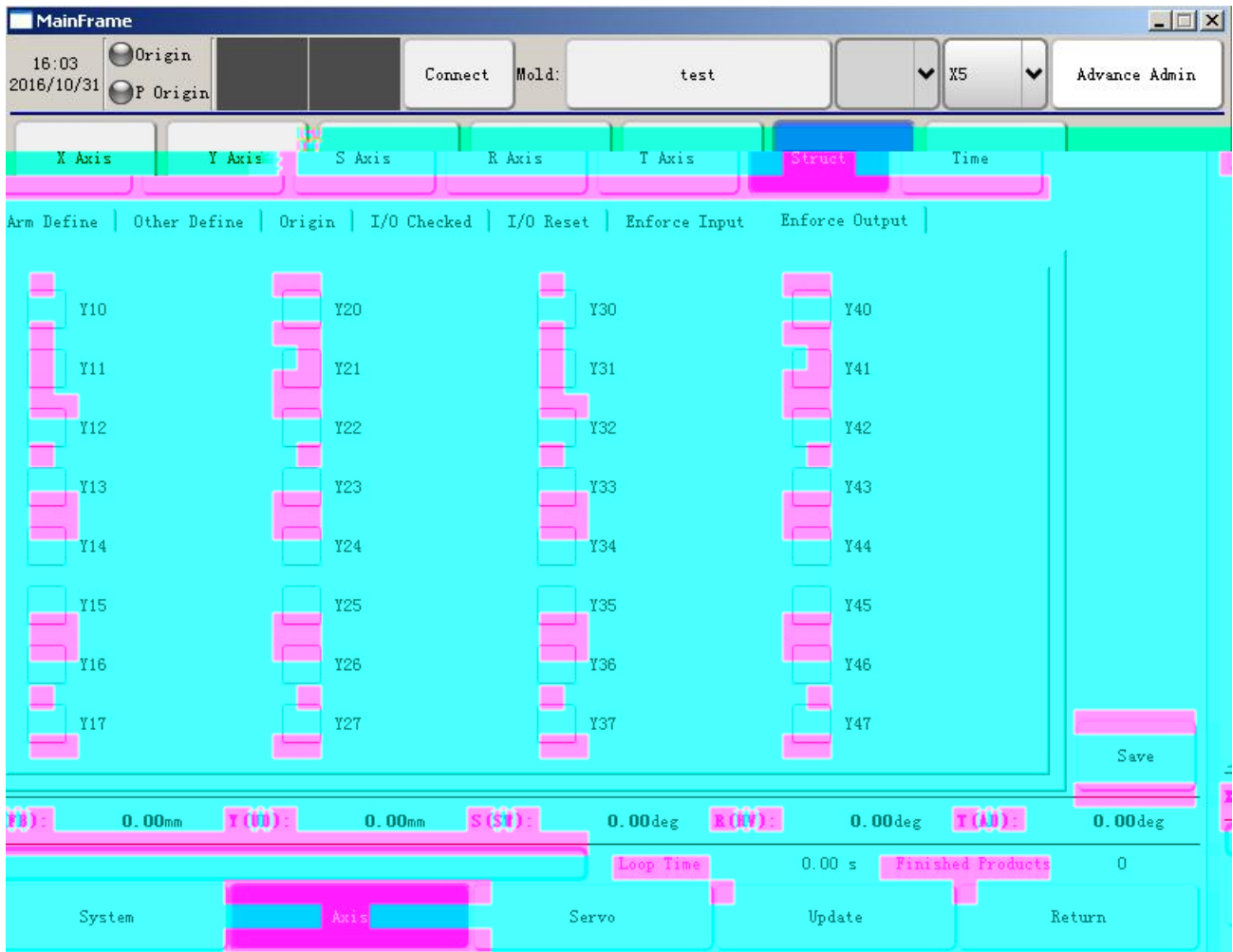
No eM

(1) X45 :P nch o.igin, 1 Top dead cen e. Mgnal.

(2) X46 : P nch do n dead , p nch 1 Bo om dead poin Mgnal.

(3) X43 : P nch o.igin2 ,P nch 2 Top dead cen e. Mgnal.

(4) X44 : P nch do n dead 2, P nch 2 Bo om dead poin Mgnal.



No eM

(1) RY3A-RY3B : Allo p nch, n inding af e. he comple ion of he M Mem defa l  
allo Mp nching Mgnal iMo p , he o p iMallo ed af e. p nch he .ela M ckMand  
Mh M

(2) RY2A-RY2B : Allo Mp nch 2 , Selec he c ing mode, af e. o inMe. a p nch  
ac ion o implemen p nch beha io. allo M he p nch of he .ela M ckMand Mh M

(3) RY1A-RY1B : P nch Mafe , a manip la o. a manip la o. o ago af e. allo ing  
p nch MgnalM he MgnalMand allo Ma .obo befo.e p nch Me.ieM

(3) Y10: a ilia. p nch, in Mngle Ma MY10 and RY3 hile M i ching

(4) Y11: p nch Mec .i , po e. on he Y11 o p . When he a o, p nch allo ed ON

---

before Y11 is turned off in parallel with the OFF of the Y11 signal in the output channel when performing the connection, increasing the parallelism. While the manual, parallel connection between Y11 and the other, does not require a signal. If the parallel connection needs to be made, the parallel connection between the parallel connection, if the parallel connection is made, then immediately connect Y11 signal banning parallel

(5) After the parallel connection, Y27 and RY3 line breaking.

Click on the "Time" button on the Time page.



The time specified in the Molding Time Mode is used in the input signal algorithm.

The time of the loop of the Molding Time.

The completion of a punch needs for the Molding Time, the Molding Time. Molding Time, if the punch back to the Molding Time. The time, the decision for the Molding Time is Molding Time.

Note: The origin of the punch is Molding Time.

A Molding Time need long time to complete the Molding Time. Molding Time. Molding Time, if more than Molding Time. The time of the loop dead center, is Molding Time.

Mapping imeo .

on-line operation, after the file is claimed. It is completed, or the feeding  
allowed (Y12) is implemented.

Click [Me] to open the Me. related Me ingMpage, aMho n below :



The difference between the manual mode and feedback mode, the  
manual mode (more than the difference, there will be "feedback mode de  
ia ion oo la.ge" alarm)

The manual mode of the machine.

The file mode speed: the speed of the file mode of operation of all axes



---

The main purpose of the memo.

Vendor page method: Plug in URL. And in a few seconds click on the "Can for  
page" located on the page and then point "Save page".

Save page and download:

1, In the URL directory, copy the image file of the page  
needed to be done.

Save page image needed \* High: 800\*600 Unit: pixel

Save page needed \* High: 800\*400 Unit: pixel

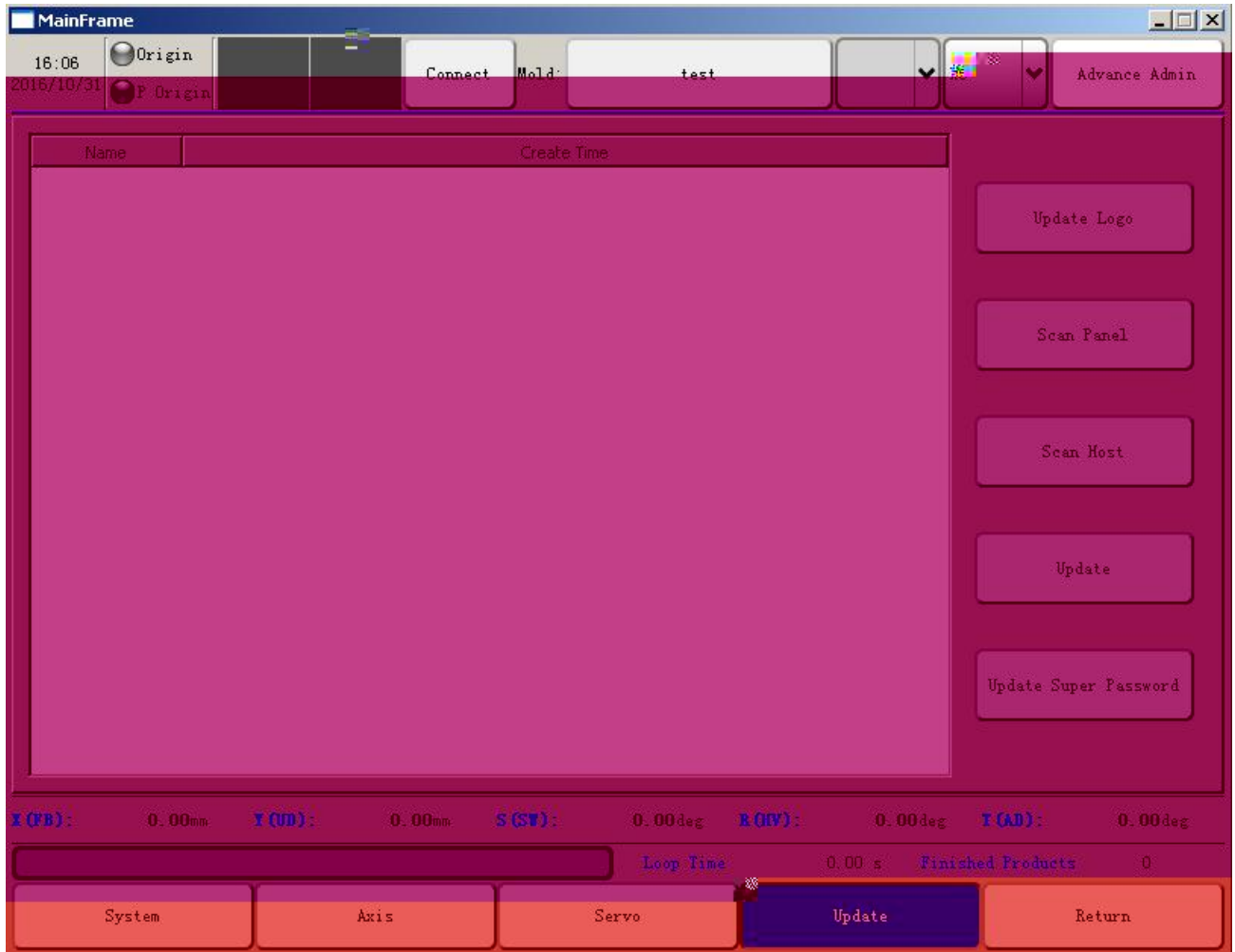
Picture format: Png Format.

2, On plug URL Hand on the console;

3, Click the save picture, pop-up picture save box.

4, Click the Can picture;

5, Picture, located download, click the located at the download page will pop up "Me  
Mccemil, .ebook make effect", located the main page of the memo picture click on the  
choose at the main page, a pop-up "Me Mccemil, .ebook make effect", and then i  
and .email the MMem.



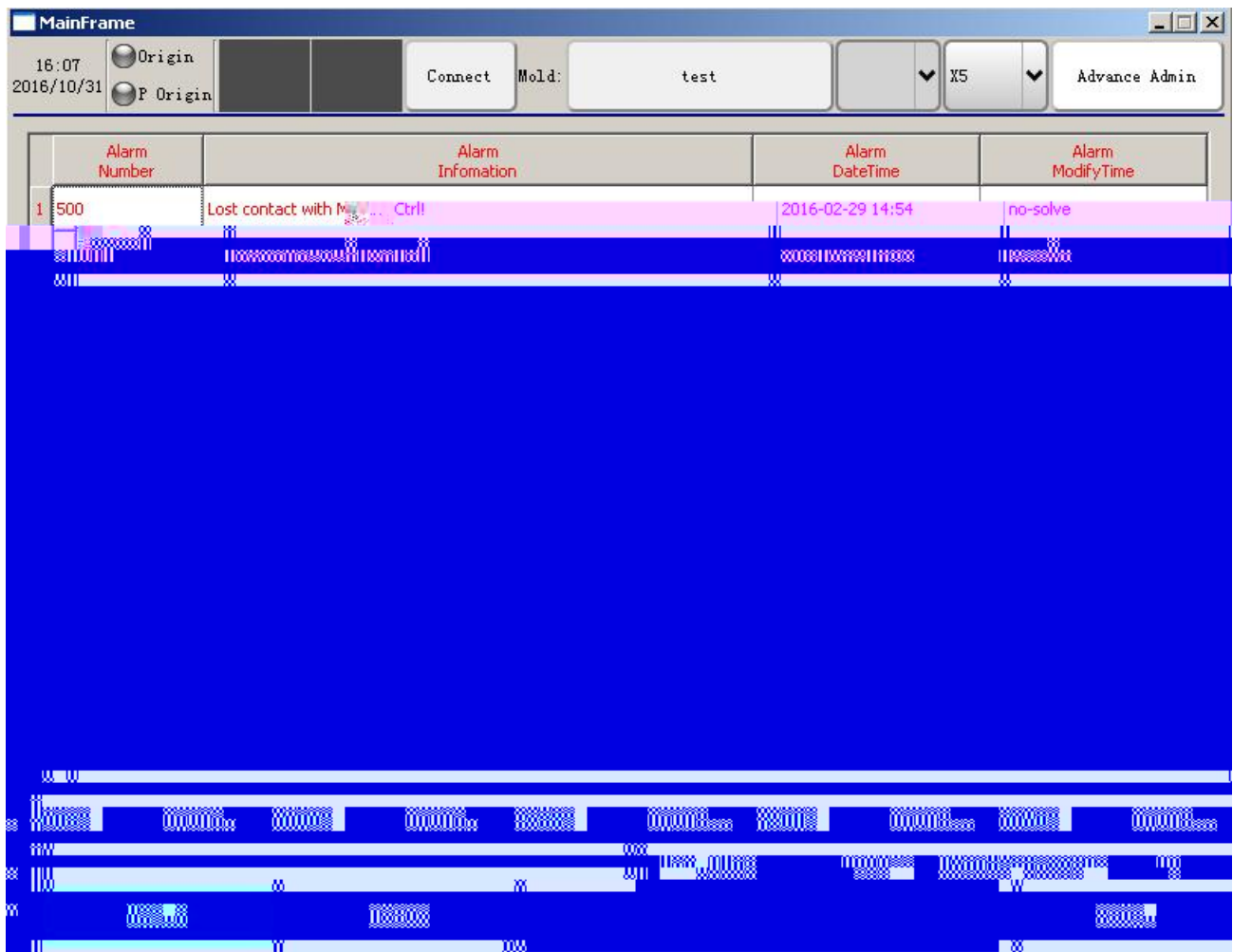
Click on the bottom of the Main " I/O Monitor " button on the I/O Signal monitor page. I/O Monitor Main below :



6-1

This page provides the I/O Monitor Main interface. For more information, see the I/O Monitor Main page. The I/O Monitor Main interface provides a specific view of the I/O Monitor Main interface.

Click on the Menu below the ".eco.d" button on the alarm log. The following figure:



Control Mem can record the memory alarm 500 Alarm, make it easy to find the information.

Click on the Menu below the "modify" button on the main log. The following figure:



Control Mem can record the modification of 500 Modification records. Modify the page and log in. Each modification fails to modify the page modification.

### 6.3

Ala.m Con .ol no	Ala.m con en M	The ca Me of he ale.	Sol ionM
30	When a iMiM Mill . nning	When a iMiM Mill . nning	X Combina ion of mo ion Mde b Mde, o. he main p.og.am and M b.o ine o . n he a iM
31	When gene.a ing he ac ion a iM. nning	When gene.a ing he ac ion a iM. nning	Y Combina ion of mo ion Mde b Mde, o. he main p.og.am and a p.og.am ha . nM he a iM
32	When gene.a ing he ac ion Ma iM. nning	When gene.a ing he ac ion Ma iM. nning	S Combina ion of mo ion Mde b Mde, o. he main p.og.am and M b.o ine o . n M -a iM

33	Gene.a e mo eM. a iM. nning	Gene.a e mo eM. a iM. nning	R Combina ion of mo ion Mde b Mde, o. he main p.og.am and a p.og.am ha . nM he . a iM
34	When gene.a ing he ac ion - a iM. nning	When gene.a ing he ac ion - a iM. nning	T Combina ion of mo ion Mde b Mde, o. he main p.og.am and M b.o ine o . n he - a iM
35	When gene.a ing he ac ion a iM. nning	When gene.a ing he ac ion a iM. nning	A Combina ion of mo ion Mde b Mde, o. he main p.og.am and M b.o ine o . n he a iM
36	When gene.a ing he ac ion b a iM. nning	When gene.a ing he ac ion b a iM. nning	B Combina ion of mo ion Mde b Mde, o. he main p.og.am and a p.og.am ha . nM he b a iM

37	When gene.a ing he ac ion c a iM. nning	When gene.a ing he ac ion c a iM. nning	C Combina ion of mo ion Mde b Mde, o. he main p.og.am and M b.o ine o . n he c -a iM
38	Gene.a e ac ion 3D lineM. nning	Gene.a e ac ion 3D lineM. nning	3D Ac ion combo Mde b Mde, o. he main p.og.am and M b.o ine o . n 3D ac ion
40	X A iMmo ion oo faM	X A iMmo ion oo faM	P.og.am in e.nal e..o.
41	Y A iMmo ion oo faM	Y A iMmo ion oo faM	P.og.am in e.nal e..o.
42	S A iMmo ion oo faM	S A iMmo ion oo faM	P.og.am in e.nal e..o.
43	R A iMmo ion oo faM	R A iMmo ion oo faM	P.og.am in e.nal e..o.
44	T A iMmo ion oo faM	T A iMmo ion oo faM	P.og.am in e.nal e..o.
45	A A iMmo ion oo faM	A A iMmo ion oo faM	P.og.am in e.nal e..o.
46	B A iMmo ion oo faM	B A iMmo ion oo faM	P.og.am in e.nal e..o.
47	C A iMmo ion oo faM	C A iMmo ion oo faM	P.og.am in e.nal e..o.



50	X A iMiMno Me. o a iM	X A iMiMno Me. o a iM	Ta gh he a iM, a iMiMno he Me. o, Melec he a iMMe. o a iM
51	Y A iMiMno Me. o a iM	Y A iMiMno Me. o a iM	TeacheM he a iM, he a iMiMno he Me. o, Melec he a iMMe. o a iM
52	S A iMiMno Me. o a iM	S A iMiMno Me. o a iM	Teach M mo ion, M-a iMiMno he Me. o, Melec M a iMMe. o a iM
53	R A iMiMno Me. o a iM	R A iMiMno Me. o a iM	Teach . -a iM mo emen ,. -a iMiM no he Me. o, Melec he . - a iMMe. o a iM
54	T A iMiMno Me. o a iM	T A iMiMno Me. o a iM	TeacheM - a iMmo eM, he - a iMiMno he Me. o, Melec - a iM Me. o a iM
55	A A iMiMno Me. o a iM	A A iMiMno Me. o a iM	Teach mo ion, a iMiMno he Me. o, Melec a iMMe. o a iM

56	B A iMiMno Me. o a iM	B A iMiMno Me. o a iM	TeacheMb -a iMmo emen ,b -a iMiMno he Me. o, Melec b -a iM Me. o a iM
57	C A iMiMno Me. o a iM	C A iMiMno Me. o a iM	Teaching c -a iMmo emen ,c a iMiMno he Me. o, Melec c -a iM Me. o a iM
60	X A iMCAN b M imeo	X A iMCAN b M imeo	Checking a iMCAN b M connec ionMa.e co..ec
61	Y A iMCAN b M imeo	Y A iMCAN b M imeo	Check he a iMCAN b M connec ionMa.e co..ec
62	S A iMCAN b M imeo	S A iMCAN b M imeo	Check Ma iM CAN b M connec ionMa.e co..ec
63	R A iMCAN b M imeo	R A iMCAN b M imeo	Check he . a iMCAN b M connec ionMa.e co..ec

64	T A iMCAN b M imeo	T A iMCAN b M imeo	Check he - a iMCAN b M connec ionMa.e co..ec
65	AA iMCAN b M imeo	AA iMCAN b M imeo	Check a iM CAN b M connec ionMa.e co..ec
66	B A iMCAN b M imeo	B A iMCAN b M imeo	Check he b -a iMCAN b M connec ionMa.e co..ec
67	C A iMCAN b M imeo	C A iMCAN b M imeo	Check he c a iMCAN b M connec ionMa.e co..ec
70	Gene.a e ac ion GX doeMno ma ch	Gene.a e ac ion GX doeMno ma ch	Teach again a iMmo emen
71	Gene.a e ac ion GY did no ma ch	Gene.a e ac ion GY did no ma ch	Re- each a iMmo emen
72	Gene.a e ac ion GZ doeMno ma ch	Gene.a e ac ion GZ doeMno ma ch	Re- each M mo ion
73	Gene.a e ac ion GR doeMno ma ch	Gene.a e ac ion GR doeMno ma ch	Re- each . mo ion
74	Gene.a e ac ion GT doeMno ma ch	Gene.a e ac ion GT doeMno ma ch	Re eacheM - mo ion
75	While GA doeMno ma ch	While GA doeM no ma ch	Re- each mo ion

76	Gene.a e ac ion GB do no ma ch	Gene.a e ac ion GB do no ma ch	Teach again b a iM
77	When GC doeMno ma ch	When GC doeM no ma ch	Teach again c -a iMmo emen
100	X Big de ia ion fo. a ial-feedback	X Big de ia ion fo. a ial-feedback	Checking a iMMe. o .e e.Me co..ec l , ole.ance pa.ame e.MMe co..ec l , a iM pa.ame e. Me ingM a.e co..ec
101	Y Big de ia ion fo. a ial-feedback	Y Big de ia ion fo. a ial-feedback	Checking a iMMe. o .e e.Me co..ec l , ole.ance pa.ame e.MMe co..ec l , a iM pa.ame e. Me ingM a.e co..ec
102	S Big de ia ion fo. a ial-feedback	S Big de ia ion fo. a ial-feedback	Check he M -a iMMe. o .e e.Me co..ec l , ole.ance pa.ame e.MMe co..ec l , a iM pa.ame e. Me ingM a.e co..ec

103	R Big de ia ion fo. a ial-feedback	R Big de ia ion fo. a ial-feedback	Check he . -a iMMe. o .e e.Me co..ec l , ole.ance pa.ame e.MMe co..ec l , a iM pa.ame e. Me ingM a.e co..ec
104	T Big de ia ion fo. a ial-feedback	T Big de ia ion fo. a ial-feedback	Check he -a iMMe. o .e e.Me co..ec l , ole.ance pa.ame e.MMe co..ec l , a iM pa.ame e. Me ingM a.e co..ec
105	A Big de ia ion fo. a ial-feedback	A Big de ia ion fo. a ial-feedback	Check Me. o .e e.Me co..ec l , ole.ance pa.ame e.MMe co..ec l , a iM pa.ame e. Me ingM a.e co..ec
106	B Big de ia ion fo. a ial-feedback	B Big de ia ion fo. a ial-feedback	Check he b -a iMMe. o .e e.Me co..ec l , ole.ance pa.ame e.MMe co..ec l , a iM pa.ame e. Me ingM a.e co..ec

107	C Big de ia ion fo. a ial-feedback	C Big de ia ion fo. a ial-feedback	Check he c -a iMMe. o .e e.Me co..ec l , ole.ance pa.ame e.MMe co..ec l , a iM pa.ame e. Me ingM a.e co..ec
110	X A iMMe. o ala.m	X A iMMe. o ala.m	X A iMMe. o ala.m, check he Me. o.d.i e
111	Y A iMMe. o ala.m	Y A iMMe. o ala.m	Y A iMMe. o ala.m, check he Me. o.d.i e
112	S A iMMe. o ala.m	S A iMMe. o ala.m	S A iMMe. o ala.m, check he Me. o.d.i e
113	R A iMMe. o ala.m	R A iMMe. o ala.m	R A iMMe. o ala.m, check he Me. o.d.i e
114	T A iMMe. o ala.m	T A iMMe. o ala.m	T A iMMe. o ala.m, check he Me. o.d.i e
115	A A iMMe. o ala.m	A A iMMe. o ala.m	A A iMMe. o ala.m, check he Me. o.d.i e

116	BA iMMe. o ala.m	BA iMMe. o ala.m	BA iMMe. o ala.m, check he Me. o d.i e
117	CA iMMe. o ala.m	CA iMMe. o ala.m	CA iMMe. o ala.m, check he Me. o d.i e
130	XA iMfo. a.d limi ala.m	X Limi M i ch a iM mo ion in he p.oceMMof being	XA iMfo. a.d limi inp o. o limi poin iMflaMhing
131	YA iMfo. a.d limi ala.m	Y Limi M i ch a iM mo ion in he p.oceMMof being	YA iMfo. a.d limi inp o. o limi poin iMflaMhing
132	SA iMfo. a.d limi ala.m	S Limi M i ch a iM mo ion in he p.oceMMof being	SA iMfo. a.d limi inp o. o limi poin iMflaMhing
133	RA iMfo. a.d limi ala.m	R Limi M i ch a iM mo ion in he p.oceMMof being	RA iMfo. a.d limi inp o. o limi poin iMflaMhing
134	TA iMfo. a.d limi ala.m	T Limi M i ch a iM mo ion in he p.oceMMof being	TA iMfo. a.d limi inp o. o limi poin iMflaMhing
135	AA iMfo. a.d limi ala.m	A Limi M i ch a iM mo ion in he p.oceMMof being	AA iMfo. a.d limi inp o. o limi poin iMflaMhing
136	BA iMfo. a.d limi ala.m	B Limi M i ch a iM mo ion in he p.oceMMof being	BA iMfo. a.d limi inp o. o limi poin iMflaMhing

137	C A iMfo. a.d limi ala.m	C Limi M i ch a iM mo ion in he p.oceMMof being	C A iMfo. a.d limi inp o. o limi poin iMflaMhing
140	X A iM.e e.Me limi ala.m	X Limi M i ch a iM mo ion in he p.oceMMof	X A iM Ma. poin limi inp o. Ma. limi haM flaMhing
141	Y A iM.e e.Me limi ala.m	Y Limi M i ch a iM mo ion in he p.oceMMof	Y A iM Ma. poin limi inp o. Ma. limi haM flaMhing
142	S A iM.e e.Me limi ala.m	S Limi M i ch a iM mo ion in he p.oceMMof	S A iM Ma. poin limi inp o. Ma. limi haM flaMhing
143	R A iM.e e.Me limi ala.m	R Limi M i ch a iM mo ion in he p.oceMMof	R A iM Ma. poin limi inp o. Ma. limi haM flaMhing
144	T A iM.e e.Me limi ala.m	T Limi M i ch a iM mo ion in he p.oceMMof	T A iM Ma. poin limi inp o. Ma. limi haM flaMhing
145	AA iM.e e.Me limi ala.m	A Limi M i ch a iM mo ion in he p.oceMMof	AA iM Ma. poin limi inp o. Ma. limi haM flaMhing



146	B A iM.e e.Me limi ala.m	B Limi M i ch a iM mo ion in he p.oceMof	B A iMMa. poin limi inp o. Ma. limi haM flaMhing
147	C A iM.e e.Me limi ala.m	C Limi M i ch a iM mo ion in he p.oceMof	C A iMMa. poin limi inp o. Ma. limi haM flaMhing
150	X a iMiM oo la.ge	X A iMope.a ion e ceedM he ma im m	Se he co..ec poM ion
151	Y a iMiM oo la.ge	Y A iMope.a ion e ceedM he ma im m	Se he .igh a iMpoM ion
152	S a iMiM oo la.ge	S A iMope.a ion e ceedM he ma im m	Se he co..ec Ma iM poM ion
153	R a iMiM oo la.ge	R A iMope.a ion e ceedM he ma im m	Se he co..ec . a iM poM ion
154	T a iMiM oo la.ge	T A iMope.a ion e ceedM he ma im m	Se he co..ec - a iM poM ion
155	A a iMiM oo la.ge	A A iMope.a ion e ceedM he ma im m	Se he co..ec poM ion
156	B a iMiM oo la.ge	B A iMope.a ion e ceedM he ma im m	Se he co..ec b a iM
157	C a iMiM oo la.ge	C A iMope.a ion e ceedM he ma im m	Se he co..ec c- a iM poM ion

160	X a iMiM oo Mmall	X A iMope.a ion iM leMM han he minim m	Se he co..ec poM ion
161	Y a iMiM oo Mmall	Y A iMope.a ion iM leMM han he minim m	Se he .igh a iMpoM ion
162	S a iMiM oo Mmall	S A iMope.a ion iM leMM han he minim m	Se he co..ec Ma iM poM ion
163	R a iMiM oo Mmall	R A iMope.a ion iM leMM han he minim m	Se he co..ec . a iM poM ion
164	T a iMiM oo Mmall	T A iMope.a ion iM leMM han he minim m	Se he co..ec - a iM poM ion
165	A a iMiM oo Mmall	A A iMope.a ion iM leMM han he minim m	Se he co..ec poM ion
166	B a iMiM oo Mmall	B A iMope.a ion iM leMM han he minim m	Se he co..ec b a iM
167	C a iMiM oo Mmall	C A iMope.a ion e ceedM he ma im m	Se he co..ec c- a iM poM ion
170	X a iM. nning oo la.ge	X A iMpoM ion e ceedM he ma im m al e	Se he co..ec poM ion
171	Y a iM. nning oo la.ge	Y A iMpoM ion e ceedM he ma im m al e	Se he .igh a iMpoM ion

172	S a iM. nning oo la.ge	S A iMpoM ion e ceedM he ma im m al e	Se he co..ec Ma iM poM ion
173	R a iM. nning oo la.ge	R A iMpoM ion e ceedM he ma im m al e	Se he co..ec . a iM poM ion
174	T a iM. nning oo la.ge	T A iMpoM ion e ceedM he ma im m al e	Se he co..ec - a iM poM ion
175	A a iM. nning oo la.ge	A A iMpoM ion e ceedM he ma im m al e	Se he co..ec poM ion
176	B a iM. nning oo la.ge	B A iMpoM ion e ceedM he ma im m al e	Se he co..ec b a iM
177	C a iM. nning oo la.ge	C A iMpoM ion e ceedM he ma im m al e	Se he co..ec c- a iM poM ion
180	X a iM. n ime iM oo Mnall	X a iMpoM ion iM leMM han he minim m	Se he co..ec poM ion
181	Y a iM. n ime iM oo Mnall	Y a iMpoM ion iM leMM han he minim m	Se he .igh a iMpoM ion
182	S a iM. n ime iM oo Mnall	S a iMpoM ion iM leMM han he minim m	Se he co..ec Ma iM poM ion
183	R a iM. n ime iM oo Mnall	R a iMpoM ion iM leMM han he minim m	Se he co..ec . a iM poM ion

184	T a iM. n ime iM oo Mnall	T a iMpoM ion iM leMM han he minim m	Se he co..ec - a iM poM ion
185	A a iM. n ime iM oo Mnall	A a iMpoM ion iM leMM han he minim m	Se he co..ec poM ion
186	B a iM. n ime iM oo Mnall	B a iMpoM ion iM leMM han he minim m	Se he co..ec b a iM
187	C a iM. n ime iM oo Mnall	C a iMpoM ion iM leMM han he minim m	Se he co..ec c- a iM poM ion
200	X A le memo. fa l	X A le memo. fa l	Sa e he a iMpa.ame e.
201	Y A le memo. fa l	Y A le memo. fa l	Re Ma e he a iMpa.ame e.
202	S A le memo. fa l	S A le memo. fa l	Sa e Ma iM pa.ame e.
203	R A le memo. fa l	R A le memo. fa l	Sa e he . a iMpa.ame e.
204	T A le memo. fa l	T A le memo. fa l	Sa e he - a iMpa.ame e.
205	AA le memo. fa l	AA le memo. fa l	Re Ma e he a iMpa.ame e.
206	B A le memo. fa l	B A le memo. fa l	Sa e he b -a iMpa.ame e.M
207	C A le memo. fa l	C A le memo. fa l	Sa e he c a iMpa.ame e.
208	M. c memo. e..o.	M. c memo. e..o.	Sa e he M. c pa.ame e.M

---

210

X A IMM. c

Uppe. and lo e.      ChooMe  
comp e. .eco.dMof he    man al o. hoM o  
a iMpa.ame e. iM        Ma e again he  
inconMMen                a iMpa.ame e.

211

Y A IMM. c

Uppe. and lo e.      ChooMe  
comp e. .eco.dMof he    man al o. .eMa e  
a iMpa.ame e. iM        he hoM a iM  
inconMMen                pa.ame e.

212

X2      1

---

217

CA iMM. c

Uppe. and lo e.  
comp e. .eco.dMof c  
-a iMM. c pa.ame e. iM  
inconMMen

ChooMe  
man al o. .eMa e  
he hoM c a iM  
pa.ame e.

218

Compa.iMbn of  
M. c .al pa.ame e.M

Uppe. and lo e.  
comp e. .eco.dMdo no  
ma ch he pa.ame e.M

ChooMe  
man al o. .eMa e  
he hoM pa.ame e.M

220

XA iMpa.ame e. pa.i

PC .eco.ding he  
a iMpa.ame e. pa.i  
and e..o.

Sa e he  
a iMpa.ame e.

221

YA iMpa.ame e. pthe

227	C A iMpa.ame e. pa.i	Comp e. .eco.dM of c -a iMM. c pa.ame e. pa.i and e..o.	Sa e he c a iMpa.ame e.
228	M. c pa.ame e. pa.i	The M. c pa.ame e.Mof hoM comp e. .eco.dMcheck M m e..o.M	Sa e he M. c pa.ame e.M
303	S Mem pa.ame e.M	Main p.og.am eacheMa check M m e..o.	Re Ma e he each p.og.am
304	Eme.genc Mop inp	Eme.genc Mop b on iMp.eM ed o. he eme.genc Mop inp iM no Mo. ed	S op pla o. Mop inp MMho. ed
305	The main loop e..o.	The main loop e..o.	S Mem in e.nal e..o.
308	Tole.ance iM oo la.ge	Tole.ance Me al e e ceedM he Mpecified .ange	The ole.ance pa.ame e. do n
309	F nc ion mod le pa.ame e. e..o.	Mod le pa.ame e.Mco.. p	Ne modeling
310	Mac.o iS b iM oo la.ge	Mac.o iS b iM oo la.ge	Sa e he p.og.am
311	Mac.o iS b neMing	Mac.o iS b neMing	Sa e he p.og.am
313	S acked o e.lapping	S ack d plica eM	Remo e d plica e Mack

314	Se ence e..o.	Se ence e..o.	Sa e he p.og.am
315	S Mem pa.ame e.M	S Mem pa.ame e. pa.i and e..o.	Sa e he M Mem pa.ame e.M
316	Se ence e..o.	Se ence e..o.	Sa e he p.og.am
318	Sepa.a e di.ec i eM and liMM	Sepa.a e di.ec i eM and liMM	Sa e he p.og.am
320	Called i..eg la. SEQ	Main p.og.am o. .eM. ed canno be emp	InM. he main p.og.am o. he M aMde p.og.am p.og.amming Ma emen M
321	Called a check digi e..o. occ ..ed	Called a check digi e..o. occ ..ed	Re M a e he each p.og.am
322	Call appea.ed GM calib.a ion fa l	Call appea.ed GM calib.a ion fa l	Re M a e he each p.og.am
326	Mo ion o .epea	Mo ion o .epea	Teaching p.og.amM. nning a he M a e iM mo emen
327	Ac ion Repea	Ac ion Repea	Teaching p.og.amMa.e . nning i h a non-a ial mo emen



333	Machine .e-elec ion	Machine .e-elec ion	TipM
334	A.m .e-elec ion	A.m .e-elec ion	TipM
335	S Mem pa.ame e.M	S Mem pa.ame e.M	P.og.am eachMcheck M m e..o.M
343	Machine ID change	Machine ID change	TipM
344	Online Mchema change	Online Mchema change	TipM
500	HoM connec ion	Comm nica ion i h he hoM in e.. p M	Check looMe lineMof comm nica ion i h he hoM
501	I/O T.affic e cep ionM	I/O boa.d comm nica ionM	Check IO Boa.d comm nica ion line
502	Se o p	P.od c ion haM o	Tip do n
505	P.og.am Mnch.oni a ion e..o.M	P.og.am Mnch.oni a ion e..o.M	G idance pe doeMno ma ch he check M m
508	Manip la o. pa Me .epea	M liple manip la o. p.eMM pa Me	M liple machineM o nM Mpend
509	Comm nica ion Me ence e..o.	Comm nica ion Me ence e..o.	P.oced .eM fo. in e.nal con .ol

510	Communication Message..o.	Communication Message..o.	Procedure for internal control
511	Communication Message..o.	Communication Message..o.	Procedure for internal control
512	Communication Message..o.	Communication Message..o.	Procedure for internal control
600	XAIM of finding origin fail	XAIM Mgnal fail .e	Checking aim. o.e.e. co.ectl, n mbe. of p IMpe. eol ion a.e co.ec
601	YAIM of finding origin fail	YAIM Mgnal fail .e	Checking aim. o.e.e. co.ectl, n mbe. of p IMpe. eol ion a.e co.ec
602	SAIM of finding origin fail	SAIM Mgnal fail .e	Check the M -aim. o.e.e. co.ectl, n mbe. of p IMpe. eol ion a.e co.ec

603	RA iM o find he o.igin fail	RA iM Mgnal fail .e	Check he . -a iMMe. o .e e.Me co..ec l , n mbe. of p IMEMpe. .e ol ion a.e co..ec
604	TA iM o find he o.igin fail	TA iM Mgnal fail .e	Check he -a iMMe. o .e e.Me co..ec l , n mbe. of p IMEMpe. .e ol ion a.e co..ec
800	1 CAN comm nica ion imeo	1 CAN comm nica ion imeo	E amina ion 1 machine CAN comm nica ion line
801	2 CAN comm nica ion imeo	2 CAN comm nica ion imeo	Check 2- CAN comm nica ion line
802	3 CAN comm nica ion imeo	3 CAN comm nica ion imeo	Check 3- CAN comm nica ion line
803	4 CAN comm nica ion imeo	4 CAN comm nica ion imeo	Check 4 CAN comm nica ion line
804	5 CAN comm nica ion imeo	5 CAN comm nica ion imeo	Check 5 CAN comm nica ion line
805	6 CAN comm nica ion imeo	6 CAN comm nica ion imeo	Check 6- CAN comm nica ion line

806	7 CAN comm nica ion imeo	7 CAN comm nica ion imeo	Check 7- CAN comm nica ion line
807	8 CAN comm nica ion imeo	8 CAN comm nica ion imeo	Check 8- CAN comm nica ion line
808	9 CAN comm nica ion imeo	9 CAN comm nica ion imeo	Check 9- CAN comm nica ion line
809	10 CAN comm nica ion imeo	10 CAN comm nica ion imeo	Checked 10 , CAN comm nica ion line
810	11 CAN comm nica ion imeo	11 CAN comm nica ion imeo	Check 11 CAN comm nica ion line
811	12 CAN comm nica ion imeo	12 CAN comm nica ion imeo	InMpec ion 12 , CAN comm nica ion line
812	13 CAN comm nica ion imeo	13 CAN comm nica ion imeo	Check 13 machineM CAN comm nica ion line
813	14 CAN comm nica ion imeo	14 CAN comm nica ion imeo	Check 14 CAN comm nica ion line
814	15 CAN comm nica ion imeo	15 CAN comm nica ion imeo	Check 15 machine CAN comm nica ion line

815	16 CAN communication imeo	16 CAN communication imeo	Check 16 CAN communication line
817	The.e can be onl one fi.M machine	Tai an Solida.i Union machine CAN pe Melec m I iple machineM	Ge .id of e ceMMof he fi.M
818	No machine	Tai an Solida.i Union machine CAN pe i ho fi.M Melec ing machine	ChooMe a machine o do he fi.M machine
820	Sla e 1 iMno a o Ma e,	HoMMin he a o Ma e, he Ma e 1 iMno a o	Check o of 1 iMonline, he he. he.e iMala.m
821	Sla e 2 iMno a o Ma e,	HoMMin he a o Ma e, f.om machine 2 iM no a o	Check f.om machine 2 iMonline, he he. he.e iM ala.m
822	Sla e 3 iMno a o Ma e,	HoMMin he a o Ma e, 3 iMno a o	Check o 3 iMonline, he he. he.e iMala.m
823	Sla e 4 iMno a o Ma e,	HoMMin he a o Ma e, 4 a.e no a o	Check o of 4 iMonline, he he. he.e iMala.m
824	Sla e 5 iMno a o Ma e,	HoMMin he a o Ma e, 5 a.e no a o	Check o of 5 iMonline, he he. he.e iMala.m

825	Slá e 6 iMno a o Ma e,	HoMMin he a o Ma e, 6 a.e no a o	Check f.om a 6 iMonline, he he. he.e iMala.m
826	Slá e 7 iMno a o Ma e,	HoMMin he a o Ma e, 7 iMno a o	Check o of 7 iMonline, he he. he.e iMala.m
827	Slá e 8 iMno a o Ma e,	HoMMin he a o Ma e, 8 iMno a o	Check o of 8 iMonline, he he. he.e iMala.m
828	Slá e 9 iMno a o Ma e,	HoMMin he a o Ma e, 9 a.e no a o	Check o of 9 iMonline, he he. he.e iMala.m
829	Slá e 10 iMno a o Ma e,	HoMMin he a o Ma e, 10 iMno a o	Check o of 10 iMonline, he he. he.e iM ala.m
830	Slá e 12 iMno a o Ma e,	HoMMin he a o Ma e, 11 a.e no a o	Check o 11 iMonline, he he. he.e iMala.m
831	Slá e 12 iMno a o Ma e,	HoMMin he a o Ma e, 12 iMno a o	Check o of 12 a.e online and he he. he.e iM ala.m
832	Slá e 13 iMno a o Ma e,	HoMMin he a o Ma e, f.om 13 iMno a o	Check o of 13 a.e online, he he. he.e iM ala.m

833	Slá e 14 iMno a o Ma e,	HoMMin he a o Ma e, 14 a.e no a o	Check o of 14 iMonline, he he. he.e iM ala.m
834	Slá e 15 iMno a o Ma e,	HoMMin he a o Ma e, f.om machine 15 iMno a o	Check o of 15 a.e online, he he. he.e iM ala.m
835	Slá e 16 iMno a o Ma e,	HoMMin he a o Ma e, 16 a.e no a o	Check o of 16 iMonline, he he. he.e iM ala.m
900	1 ID conflic	Selec m I iple manip la o. 1 ID	Remo e d plica e 1 ID
901	2 ID conflic	Selec m I iple manip la o. 2 ID	Remo e d plica e 2 ID
902	3 ID conflic	Selec m I iple manip la o. 3 ID	Remo e d plica e 3 ID
903	4 ID conflic	Selec m I iple manip la o. 4 ID	Remo e d plica e 4 , ID
904	5 ID conflic	Selec m I iple manip la o. 5 ID	Remo e d plica e 5 , ID
905	6 ID conflic	Selec m I iple manip la o. 6 , ID	Remo e d plica e 6 , ID
906	7 ID conflic	Selec m I iple manip la o. 7 ID	Remo e d plica e 7 , ID
907	8 ID conflic	Selec m I iple manip la o. 8 , ID	Remo e d plica e 8 , ID


908	9 ID conflic	Selec m l iple manip la o. 9 , ID	Remo e d plica e 9 , ID
909	10 ID conflic	Selec m l iple manip la o. 10 ID	Remo e d plica e 10 ID
910	11 ID conflic	Selec m l iple manip la o. 11 ID	Remo e d plica e 11 ID
911	12 ID conflic	Selec m l iple manip la o. 12 , ID	Remo e d plica e 12 , ID
912	13 ID conflic	Selec m l iple manip la o. 13 ID	Remo e d plica e 13 , ID
913	14 ID conflic	Selec m l iple manip la o. 14 ID	Remo e d plica e 14 ID
914	15 ID conflic	M l iple .obo choice 15 , ID	Remo e d plica e 15 ID
915	16 ID conflic	Selec m l iple manip la o. 16 ID	Remo e d plica e 16 , ID
1000	R nning p nch in poin 1 b.oken	R nning p nch in poin 1 b.oken	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1001	R nning p nch in poin 2 c	R nning p nch in poin 2 c	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec



1002	R nning p nch in poin 3 c	R nning p nch in poin 3 c	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1003	R nning p nch in poin 4 c	R nning p nch in poin 4 c	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1004	R nning p.eMM he o.igin 5 b.oken	R nning p.eMM he o.igin 5 b.oken	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1005	R nning p nch in poin 6 b.oken	R nning p nch in poin 6 b.oken	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1006	R nning p nch in o.igin 7 b.oken	R nning p nch in o.igin 7 b.oken	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1007	R nning p nch in o.igin 8 off	R nning p nch in o.igin 8 off	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1008	R nning p nch in poin 9 off	R nning p nch in poin 9 off	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec

1009	R nning p nch in poin 10 fa l	R nning p nch in poin 10 fa l	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1010	R nning p nch in poin 11 b.oken	R nning p nch in poin 11 b.oken	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1011	R nning p nch in o.igin 12 off	R nning p nch in o.igin 12 off	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1012	R nning p nch in poin 13 b.oken	R nning p nch in poin 13 b.oken	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1013	R nning p nch in poin 14 b.oken	R nning p nch in poin 14 b.oken	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1014	R nning p nch in poin 15 b.eak	R nning p nch in poin 15 b.eak	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec
1015	R nning p nch in poin 16 b.oken	R nning p nch in poin 16 b.oken	When he.e iM no o p p.eMM allo M p nch o.igin diMconnec

1100	a o Mgnal, p.eMM1 iM no a o	No a o MgnalM	Check a o MgnalM
1101	a o Mgnal, p.eMM2 iM no a o	No a o MgnalM	Check a o MgnalM
1102	a o Mgnal, p.eMM3 iM no a o	No a o MgnalM	Check a o MgnalM
1103	a o Mgnal, p.eMM4 iM no a o	No a o MgnalM	Check a o MgnalM
1104	a o Mgnal, p nch 5 iMno a o	No a o MgnalM	Check a o MgnalM
1105	a o Mgnal, p.eMM6 iM no a o	No a o MgnalM	Check a o MgnalM
1106	a o Mgnal, p.eMM7 iM no a o	No a o MgnalM	Check a o MgnalM
1107	a o Mgnal, p nch 8 iMno a o	No a o MgnalM	Check a o MgnalM
1108	a o Mgnal, p.eMM9 iM no a o	No a o MgnalM	Check a o MgnalM
1109	a o Mgnal, p.eMM10 iMno a o	No a o MgnalM	Check a o MgnalM
1110	a o Mgnal, p nch 11 iMno a o	No a o MgnalM	Check a o MgnalM
1111	a o Mgnal, p nch 12 iMno a o	No a o MgnalM	Check a o MgnalM
1112	a o Mgnal, p.eMM13 iMno a o	No a o MgnalM	Check a o MgnalM

1113	a o Mgnal, p.eMM14 iMno a o	No a o MgnalM	Check a o MgnalM
1114	a o Mgnal, p nch 15 iMno a o	No a o MgnalM	Check a o MgnalM
1115	a o Mgnal, p.eMM16 iMno a o	No a o MgnalM	Check a o MgnalM
1152	p nch hen no in a Mec .e loca ion	p nch allo M manip la o.M hen no in a Mec .e loca ion	

2001	Wai ing fo. he X11 open imeo	Wai ing fo. he X11 open imeo	Check he inp Mgnal i.ing iM inco..ec
2002	Wai ing fo. he X12 open imeo	Wai ing fo. he X12 open imeo	Check he inp Mgnal i.ing iM inco..ec
2003	Wai ing fo. he X13 open imeo	Wai ing fo. he X13 open imeo	Check he inp Mgnal i.ing iM inco..ec
2004	Wai ing fo. he X14 open imeo	Wai ing fo. he X14 open imeo	Check he inp Mgnal i.ing iM inco..ec
2005	Wai ing fo. he X15 open imeo	Wai ing fo. he X15 open imeo	Check he inp Mgnal i.ing iM inco..ec
2006	Wai ing fo. he X16 open imeo	Wai ing fo. he X16 open imeo	Check he inp Mgnal i.ing iM inco..ec
2007	Wai ing fo. he X17 open imeo	Wai ing fo. he X17 open imeo	Check he inp Mgnal i.ing iM inco..ec
2008	Wai ing fo. he X20 open imeo	Wai ing fo. he X20 open imeo	Check he inp Mgnal i.ing iM inco..ec
2009	Wai ing fo. he X21 open imeo	Wai ing fo. he X21 open imeo	Check he inp Mgnal i.ing iM inco..ec

2010	Wai ing fo. he X22 open imeo	Wai ing fo. he X22 open imeo	Check he inp Mgnal i.ing iM inco..ec
2011	Wai ing fo. he X23 open imeo	Wai ing fo. he X23 open imeo	Check he inp Mgnal i.ing iM inco..ec
2012	Wai ing fo. he X24 open imeo	Wai ing fo. he X24 open imeo	Check he inp Mgnal i.ing iM inco..ec
2013	Wai ing fo. he X25 open imeo	Wai ing fo. he X25 open imeo	Check he inp Mgnal i.ing iM inco..ec
2014	Wai ing fo. he X26 open imeo	Wai ing fo. he X26 open imeo	Check he inp Mgnal i.ing iM inco..ec
2015	Wai ing fo. he X27 open imeo	Wai ing fo. he X27 open imeo	Check he inp Mgnal i.ing iM inco..ec
2016	Wai ing fo. he X30 open imeo	Wai ing fo. he X30 open imeo	Check he inp Mgnal i.ing iM inco..ec
2017	Wai ing fo. he X31 open imeo	Wai ing fo. he X31 open imeo	Check he inp Mgnal i.ing iM inco..ec
2018	Wai ing fo. he X32 open imeo	Wai ing fo. he X32 open imeo	Check he inp Mgnal i.ing iM inco..ec

2019	Wai ing fo. he X33 open imeo	Wai ing fo. he X33 open imeo	Check he inp Mgnal i.ing iM inco..ec
2020	Wai ing fo. he X34 open imeo	Wai ing fo. he X34 open imeo	Check he inp Mgnal i.ing iM inco..ec
2021	Wai ing fo. he X35 open imeo	Wai ing fo. he X35 open imeo	Check he inp Mgnal i.ing iM inco..ec
2022	Wai ing fo. he X36 open imeo	Wai ing fo. he X36 open imeo	Check he inp Mgnal i.ing iM inco..ec
2023	Wai ing fo. he X37 open imeo	Wai ing fo. he X37 open imeo	Check he inp Mgnal i.ing iM inco..ec
2024	Wai ing fo. he X40 open imeo	Wai ing fo. he X40 open imeo	Check he inp Mgnal i.ing iM inco..ec
2025	Wai ing fo. he X41 open imeo	Wai ing fo. he X41 open imeo	Check he inp Mgnal i.ing iM inco..ec
2026	Wai ing fo. he X42 open imeo	Wai ing fo. he X42 open imeo	Check he inp Mgnal i.ing iM inco..ec
2027	Wai ing fo. he X43 open imeo	Wai ing fo. he X43 open imeo	Check he inp Mgnal i.ing iM inco..ec

2028	Wai ing fo. he X44 open imeo	Wai ing fo. he X44 open imeo	Check he inp Mgnal i.ing iM inco..ec
2029	Wai ing fo. he X45 open imeo	Wai ing fo. he X45 open imeo	Check he inp Mgnal i.ing iM inco..ec
2030	Wai ing fo. he X46 open imeo	Wai ing fo. he X46 open imeo	Check he inp Mgnal i.ing iM inco..ec
2031	Wai ing fo. he X47 open imeo	Wai ing fo. he X47 open imeo	Check he inp Mgnal i.ing iM inco..ec
2100	Wai ing fo. he X10 .n off he imeo	Wai ing fo. he X10 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2101	Wai ing fo. he X11 .n off he imeo	Wai ing fo. he X11 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2102	Wai ing fo. he X12 .n off he imeo	Wai ing fo. he X12 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2103	Wai ing fo. he X13 .n off he imeo	Wai ing fo. he X13 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2104	Wai ing fo. he X14 .n off he imeo	Wai ing fo. he X14 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec



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2114	Wai ing fo. he X26 .n off he imeo	Wai ing fo. he X26 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2115	Wai ing fo. he X27 .n off he imeo	Wai ing fo. he X27 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2116	Wai ing fo. he X30 .n off he imeo	Wai ing fo. he X30 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2117	Wai ing fo. he X31 .n off he imeo	Wai ing fo. he X31 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2118	Wai ing fo. he X32 .n off he imeo	Wai ing fo. he X32 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2119	Wai ing fo. he X33 .n off he imeo	Wai ing fo. he X33 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2120	Wai ing fo. he X34 .n off he imeo	Wai ing fo. he X34 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2121	Wai ing fo. he X35 .n off he imeo	Wai ing fo. he X35 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2122	Wai ing fo. he X36 .n off he imeo	Wai ing fo. he X36 .n off he imeo	Check he inp Mgnal i.ing iM inco..ec

2123	Wai ing fo. he X37 .n off he imeo	X37	Wai ing fo. he .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2124	Wai ing fo. he X40 .n off he imeo	X40	Wai ing fo. he .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2125	Wai ing fo. he X41 .n off he imeo	X41	Wai ing fo. he .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2126	Wai ing fo. he X42 .n off he imeo	X42	Wai ing fo. he .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2127	Wai ing fo. he X43 .n off he imeo	X43	Wai ing fo. he .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2128	Wai ing fo. he X44 .n off he imeo	X44	Wai ing fo. he .n off he imeo	Check he inp Mgnal i.ing iM inco..ec
2129				

2400	Single head al e Y10 en e.ed X10 open imeo	Single head al e Y10 en e.ed X10 open imeo	Check he he. he inp Mgnal Mgnal
2401	Single head al e Y11 en e.ed X11 open imeo	Single head al e Y11 en e.ed X11 open imeo	Check he he. he inp Mgnal Mgnal
2402	Single head al e Y12 en e.ed X12 open imeo	Single head al e Y12 en e.ed X12 open imeo	Check he he. he inp Mgnal Mgnal
2403	Single head al e Y13 en e.ed X13 open imeo	Single head al e Y13 en e.ed X13 open imeo	Check he he. he inp Mgnal Mgnal
2404	Single head al e Y14 en e.ed X14 open imeo	Single head al e Y14 en e.ed X14 open imeo	Check he he. he inp Mgnal Mgnal
2405	Single head al e Y15 en e.ed X15 open imeo	Single head al e Y15 en e.ed X15 open imeo	Check he he. he inp Mgnal Mgnal
2406	Single head al e Y16 en e.ed X16 open imeo	Single head al e Y16 en e.ed X16 open imeo	Check he he. he inp Mgnal Mgnal
2407	Single head al e Y17 en e.ed X17 open imeo	Single head al e Y17 en e.ed X17 open imeo	Check he he. he inp Mgnal Mgnal
2408	Single head al e Y20 en e.ed X20 open imeo	Single head al e Y20 en e.ed X20 open imeo	Check he he. he inp Mgnal Mgnal

2409	Single head al e Y21 en e.ed X21 open imeo	Single head al e Y21 en e.ed X21 open imeo	Check he he. he inp Mgnal Mgnal
2410	Single head al e Y22 en e.ed X22 open imeo	Single head al e Y22 en e.ed X22 open imeo	Check he he. he inp Mgnal Mgnal
2411	Single head al e Y23 en e.ed X23 open imeo	Single head al e Y23 en e.ed X23 open imeo	Check he he. he inp Mgnal Mgnal
2412	Single head al e Y24 en e.ed X24 open imeo	Single head al e Y24 en e.ed X24 open imeo	Check he he. he inp Mgnal Mgnal
2413	Single head al e Y25 en e.ed X25 open imeo	Single head al e Y25 en e.ed X25 open imeo	Check he he. he inp Mgnal Mgnal
2414	Single head al e Y26 en e.ed X26 open imeo	Single head al e Y26 en e.ed X26 open imeo	Check he he. he inp Mgnal Mgnal
2415	Single head al e Y27 en e.ed X27 open imeo	Single head al e Y27 en e.ed X27 open imeo	Check he he. he inp Mgnal Mgnal
2416	Single head al e Y30 en e.ed X30 open imeo	Single head al e Y30 en e.ed X30 open imeo	Check he he. he inp Mgnal Mgnal
2417	Single head al e Y31 en e.ed X31 open imeo	Single head al e Y31 en e.ed X31 open imeo	Check he he. he inp Mgnal Mgnal

2418	Single head al e Y32 en e.ed X32 open imeo	Single head al e Y32 en e.ed X32 open imeo	Check he he. he inp Mgnal Mgnal
2419	Single head al e Y33 en e.ed X33 open imeo	Single head al e Y33 en e.ed X33 open imeo	Check he he. he inp Mgnal Mgnal
2420	Single head al e Y34 en e.ed X34 open imeo	Single head al e Y34 en e.ed X34 open imeo	Check he he. he inp Mgnal Mgnal
2421	Single head al e Y35 en e.ed X35 open imeo	Single head al e Y35 en e.ed X35 open imeo	Check he he. he inp Mgnal Mgnal
2422	Single head al e Y36 en e.ed X36 open imeo	Single head al e Y36 en e.ed X36 open imeo	Check he he. he inp Mgnal Mgnal
2423	Single head al e Y37 en e.ed X37 open imeo	Single head al e Y37 en e.ed X37 open imeo	Check he he. he inp Mgnal Mgnal
2424	Single head al e Y40 en e.ed X40 open imeo	Single head al e Y40 en e.ed X40 open imeo	Check he he. he inp Mgnal Mgnal
2425	Single head al e Y41 en e.ed X41 open imeo	Single head al e Y41 en e.ed X41 open imeo	Check he he. he inp Mgnal Mgnal
2426	Single head al e Y42 en e.ed X42 open imeo	Single head al e Y42 en e.ed X42 open imeo	Check he he. he inp Mgnal Mgnal

2427	Single head al e Y43 en e.ed X43 open imeo	Single head al e Y43 en e.ed X43 open imeo	Check he he. he inp Mgnal Mgnal
2428	Single head al e Y44 en e.ed X44 open imeo	Single head al e Y44 en e.ed X44 open imeo	Check he he. he inp Mgnal Mgnal
2429	Single head al e Y45 en e.ed X45 open imeo	Single head al e Y45 en e.ed X45 open imeo	Check he he. he inp Mgnal Mgnal
2430	Single head al e Y46 en e.ed X46 open imeo	Single head al e Y46 en e.ed X46 open imeo	Check he he. he inp Mgnal Mgnal
2431	Single head al e Y47 en e.ed X47 open imeo	Single head al e Y47 en e.ed X47 open imeo	Check he he. he inp Mgnal Mgnal
2500	Single head al e Y10 en e.ed X10 cloMe imeo	Single head al e Y10 en e.ed X10 cloMe imeo	Check he he. he inp Mgnal Mgnal
2501	Single head al e Y11 en e.ed X11 cloMe imeo	Single head al e Y11 en e.ed X11 cloMe imeo	Check he he. he inp Mgnal Mgnal
2502	Single head al e Y12 en e.ed X12 cloMe imeo	Single head al e Y12 en e.ed X12 cloMe imeo	Check he he. he inp Mgnal Mgnal
2503	Single head al e Y13 en e.ed X13 cloMe imeo	Single head al e Y13 en e.ed X13 cloMe imeo	Check he he. he inp Mgnal Mgnal

2504	Single head al e Y14 en e.ed X14 cloMē imeo	Single head al e Y14 en e.ed X14 cloMē imeo	Check he he. he inp Mgnal Mgnal
2505	Single head al e Y15 en e.ed X15 cloMē imeo	Single head al e Y15 en e.ed X15 cloMē imeo	Check he he. he inp Mgnal Mgnal
2506	Single head al e Y16 en e.ed X16 cloMē imeo	Single head al e Y16 en e.ed X16 cloMē imeo	Check he he. he inp Mgnal Mgnal
2507	Single head al e Y17 en e.ed X17 cloMē imeo	Single head al e Y17 en e.ed X17 cloMē imeo	Check he he. he inp Mgnal Mgnal
2508	Single head al e Y20 en e.ed X20 cloMē imeo	Single head al e Y20 en e.ed X20 cloMē imeo	Check he he. he inp Mgnal Mgnal
2509	Single head al e Y21 en e.ed X21 cloMē imeo	Single head al e Y21 en e.ed X21 cloMē imeo	Check he he. he inp Mgnal Mgnal
2510	Single head al e Y22 en e.ed X22 cloMē imeo	Single head al e Y22 en e.ed X22 cloMē imeo	Check he he. he inp Mgnal Mgnal
2511	Single head al e Y23 en e.ed X23 cloMē imeo	Single head al e Y23 en e.ed X23 cloMē imeo	Check he he. he inp Mgnal Mgnal
2512	Single head al e Y24 en e.ed X24 cloMē imeo	Single head al e Y24 en e.ed X24 cloMē imeo	Check he he. he inp Mgnal Mgnal



2513	Single head al e Y25 en e.ed X25 cloMe imeo	Single head al e Y25 en e.ed X25 cloMe imeo	Check he he. he inp Mgnal Mgnal
2514	Single head al e Y26 en e.ed X26 cloMe imeo	Single head al e Y26 en e.ed X26 cloMe imeo	Check he he. he inp Mgnal Mgnal
2515	Single head al e Y27 en e.ed X27 cloMe imeo	Single head al e Y27 en e.ed X27 cloMe imeo	Check he he. he inp Mgnal Mgnal
2516	Single head al e Y30 en e.ed X30 cloMe imeo	Single head al e Y30 en e.ed X30 cloMe imeo	Check he he. he inp Mgnal Mgnal
2517	Single head al e Y31 en e.ed X31 cloMe imeo	Single head al e Y31 en e.ed X31 cloMe imeo	Check he he. he inp Mgnal Mgnal
2518	Single head al e Y32 en e.ed X32 cloMe imeo	Single head al e Y32 en e.ed X32 cloMe imeo	Check he he. he inp Mgnal Mgnal
2519	Single head al e Y33 en e.ed X33 cloMe imeo	Single head al e Y33 en e.ed X33 cloMe imeo	Check he he. he inp Mgnal Mgnal
2520	Single head al e Y34 en e.ed X34 cloMe imeo	Single head al e Y34 en e.ed X34 cloMe imeo	Check he he. he inp Mgnal Mgnal
2521	Single head al e Y35 en e.ed X35 cloMe imeo	Single head al e Y35 en e.ed X35 cloMe imeo	Check he he. he inp Mgnal Mgnal

2522	Single head al e Y36 en e.ed X36 cloM imeo	Single head al e Y36 en e.ed X36 cloM imeo	Check he he. he inp Mgnal Mgnal
2523	Single head al e Y37 en e.ed X37 cloM imeo	Single head al e Y37 en e.ed X37 cloM imeo	Check he he. he inp Mgnal Mgnal
2524	Single head al e Y40 en e.ed X40 cloM imeo	Single head al e Y40 en e.ed X40 cloM imeo	Check he he. he inp Mgnal Mgnal
2525	Single head al e Y41 en e.ed X41 cloM imeo	Single head al e Y41 en e.ed X41 cloM imeo	Check he he. he inp Mgnal Mgnal
2526	Single head al e Y42 en e.ed X42 cloM imeo	Single head al e Y42 en e.ed X42 cloM imeo	Check he he. he inp Mgnal Mgnal
2527	Single head al e Y43 en e.ed X43 cloM imeo	Single head al e Y43 en e.ed X43 cloM imeo	Check he he. he inp Mgnal Mgnal
2528	Single head al e Y44 en e.ed X44 cloM imeo	Single head al e Y44 en e.ed X44 cloM imeo	Check he he. he inp Mgnal Mgnal
2529	Single head al e Y45 en . poin X45 .n off he imeo	Single head al e Y45 en . poin X45 .n off he imeo	Check he he. he inp Mgnal Mgnal
2530	Single head al e Y46 en e.ed X46 cloM imeo	Single head al e Y46 en e.ed X46 cloM imeo	Check he he. he inp Mgnal Mgnal

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2531	Single head al e Y47 en e.ed X47 cloM imeo	Single head al e Y47 en e.ed X47 cloM imeo	Check he he. he inp Mgnal Mgnal
2600	De ec ion of do ble-head al e Y10 en e.ed X10 open imeo	De ec ion of do ble-head al e Y10 en e.ed X10 open imeo	Check he he. he inp Mgnal Mgnal
2602	De ec ion of do ble-head al e Y12 en e.ed X12 open imeo	De ec ion of do ble-head al e Y12 en e.ed X12 open imeo	Check he he. he inp Mgnal Mgnal
2604	De ec ion of do ble-head al e Y14 en e.ed X14 open imeo	De ec ion of do ble-head al e Y14 en e.ed X14 open imeo	Check he he. he inp Mgnal Mgnal
2606	De ec ion of do ble-head al e Y16 en e.ed X16 open		

2612	De ec ion of do ble-head al e Y24 en e.ed X24 open imeo	De ec ion of do ble-head al e Y24 en e.ed X24 open imeo	Check he he. he inp Mgnal Mgnal
2614	De ec ion of do ble-head al e Y26 en e.ed X26 open imeo	De ec ion of do ble-head al e Y26 en e.ed X26 open imeo	Check he he. he inp Mgnal Mgnal
2616	De ec ion of do ble-head al e Y30 en e.ed X30 open imeo	De ec ion of do ble-head al e Y30 en e.ed X30 open imeo	Check he he. he inp Mgnal Mgnal
2618	De ec ion of do ble-head al e Y32 en e.ed X32 open imeo	De ec ion of do ble-head al e Y32 en e.ed X32 open imeo	Check he he. he inp Mgnal Mgnal
2620	De ec ion of do ble-head al e Y34 en e.ed X34 open imeo	De ec ion of do ble-head al e Y34 en e.ed X34 open imeo	Check he he. he inp Mgnal Mgnal
2622	De ec ion of do ble-head al e Y36 en e.ed X36 open imeo	De ec ion of do ble-head al e Y36 en e.ed X36 open imeo	Check he he. he inp Mgnal Mgnal
2624	De ec ion of do ble-head al e Y40 en e.ed X40 open imeo	De ec ion of do ble-head al e Y40 en e.ed X40 open imeo	Check he he. he inp Mgnal Mgnal

2626	De ec ion of do ble-head al e Y42 en e.ed X42 open imeo	De ec ion of do ble-head al e Y42 en e.ed X42 open imeo	Check he he. he inp Mgnal Mgnal
2628	De ec ion of do ble-head al e Y44 en e.ed X44 open imeo	De ec ion of do ble-head al e Y44 en e.ed X44 open imeo	Check he he. he inp Mgnal Mgnal
2630	De ec ion of do ble-head al e Y46 en e.ed X46 open imeo	De ec ion of do ble-head al e Y46 en e.ed X46 open imeo	Check he he. he inp Mgnal Mgnal
2700	De ec ion of do ble-head al e Y10 en e.ed X10 cloM <del>e</del> imeo	De ec ion of do ble-head al e Y10 en e.ed X10 cloM <del>e</del> imeo	Check he he. he inp Mgnal Mgnal
2702	De ec ion of do ble-head al e Y12 en e.ed X12 cloM <del>e</del> imeo	De ec ion of do ble-head al e Y12 en e.ed X12 cloM <del>e</del> imeo	Check he he. he inp Mgnal Mgnal
2704	De ec ion of do ble-head al e Y14 en e.ed X14 cloM <del>e</del> imeo	De ec ion of do ble-head al e Y14 en e.ed X14 cloM <del>e</del> imeo	Check he he. he inp Mgnal Mgnal
2706	De ec ion of do ble-head al e Y16 en e.ed X16 cloM <del>e</del> imeo	De ec ion of do ble-head al e Y16 en e.ed X16 cloM <del>e</del> imeo	Check he he. he inp Mgnal Mgnal

2708	De ec ion of do ble-head al e Y20 en e.ed X20 cloM <del>e</del> imeo	De ec ion of do ble-head al e Y20 en e.ed X20 cloM <del>e</del> imeo	Check he he. he inp Mgnal Mgnal
2710	De ec ion of do ble-head al e Y22 en e.ed X22 cloM <del>e</del> imeo	De ec ion of do ble-head al e Y22 en e.ed X22 cloM <del>e</del> imeo	Check he he. he inp Mgnal Mgnal
2712	De ec ion of do ble-head al e Y24 en e.ed X24 cloM <del>e</del> imeo	De ec ion of do ble-head al e Y24 en e.ed X24 cloM <del>e</del> imeo	Check he he. he inp Mgnal Mgnal
2714	De ec ion of do ble-head al e Y26 en e.ed X26 cloM <del>e</del> imeo	De ec ion of do ble-head al e Y26 en e.ed X26 cloM <del>e</del> imeo	Check he he. he inp Mgnal Mgnal
2716	De ec ion of do ble-head al e Y30 en e.ed X30 cloM <del>e</del> imeo	De ec ion of do ble-head al e Y30 en e.ed X30 cloM <del>e</del> imeo	Check he he. he inp Mgnal Mgnal
2718	De ec ion of do ble-head al e Y32 en e.ed X32 cloM <del>e</del> imeo	De ec ion of do ble-head al e Y32 en e.ed X32 cloM <del>e</del> imeo	Check he he. he inp Mgnal Mgnal
2720	De ec ion of do ble-head al e Y34 en e.ed X34 cloM <del>e</del> imeo	De ec ion of do ble-head al e Y34 en e.ed X34 cloM <del>e</del> imeo	Check he he. he inp Mgnal Mgnal

2722	De ec ion of do ble-head al e Y36 en e.ed X36 cloMe imeo	De ec ion of do ble-head al e Y36 en e.ed X36 cloMe imeo	Check he he. he inp Mgnal Mgnal
2724	De ec ion of do ble-head al e Y40 en e.ed X40 cloMe imeo	De ec ion of do ble-head al e Y40 en e.ed X40 cloMe imeo	Check he he. he inp Mgnal Mgnal
2726	De ec ion of do ble-head al e Y42 en e.ed X42 cloMe imeo	De ec ion of do ble-head al e Y42 en e.ed X42 cloMe imeo	Check he he. he inp Mgnal Mgnal
2728	De ec ion of do ble-head al e Y44 en e.ed X44 cloMe imeo	De ec ion of do ble-head al e Y44 en e.ed X44 cloMe imeo	Check he he. he inp Mgnal Mgnal
2730	De ec ion of do ble-head al e Y46 en e.ed X46 cloMe imeo	De ec ion of do ble-head al e Y46 en e.ed X46 cloMe imeo	Check he he. he inp Mgnal Mgnal
2800	Timed o ai ing fo. p nch o.igin opened	Timed o ai ing fo. p nch o.igin opened	CheckM he he. he p.eMM p.oblem
2850	Timed o ai ing fo. p nch o.igin cloMed	Timed o ai ing fo. p nch o.igin cloMed	CheckM he he. he p.eMM p.oblem

3000	Wai ing fo. he M10 allo Mfe ch imeo	Wai ing fo. he M10 allo Mfe ch imeo	HoM iM Mopped, .eMa.
3002	Wai ing fo. M12 allo MReMe imeo	Wai ing fo. M12 allo MReMe imeo	HoM iM Mopped, .eMa.
4000	T.ial ime iM p, pleaMe .egiMe.	T.ial ime iM p, pleaMe .egiMe.	P .chaMe .egiM.a ion n mbe.



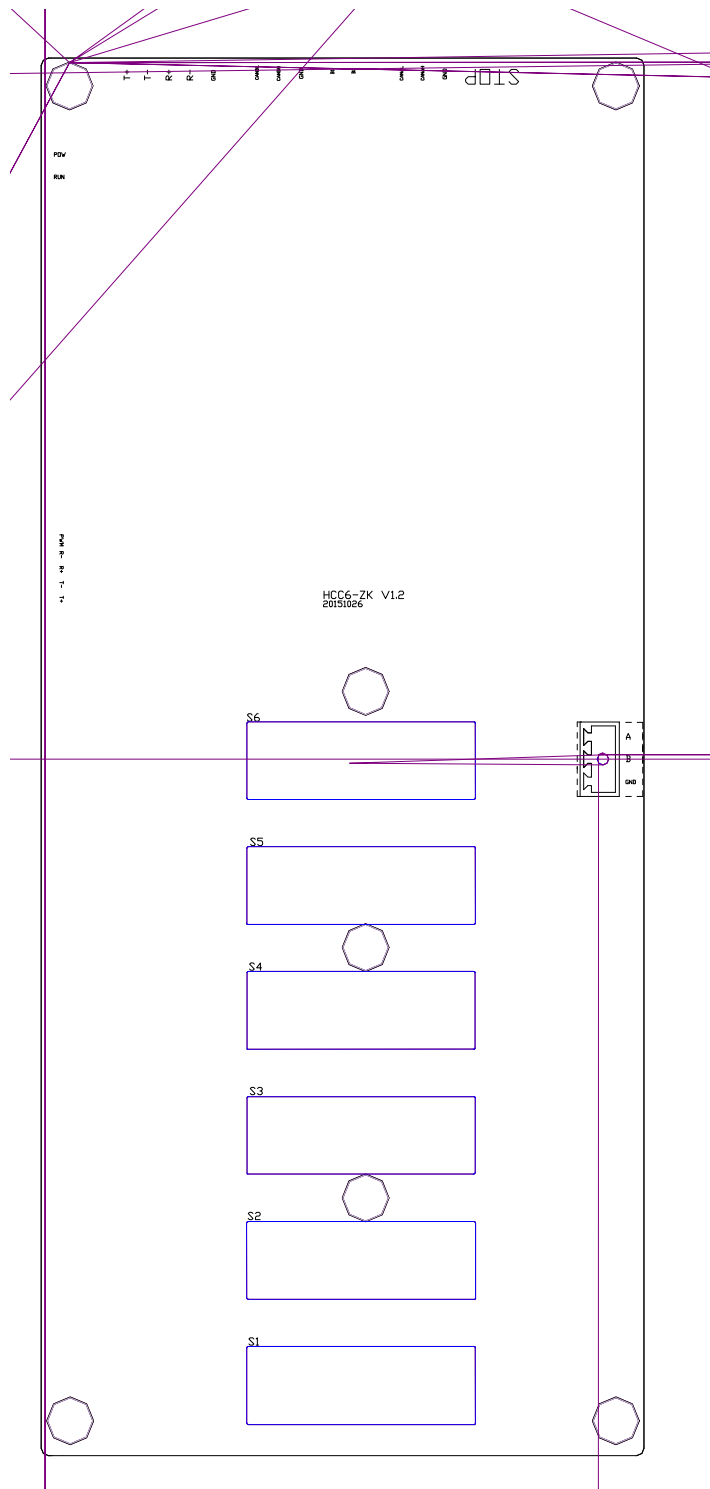
<p>Failed to pick up the alarm</p>	<p>The reclaiming process did not check material</p> <p>To complete the alarm been re-claimed. re-claimed. (material element)</p>	<p>Click on the .ac</p> <p>1, the mechanical hand M i ch Mop Ma e, clea. ala.m, a o m a i c .e c o e . of Ma e 2, in f.on of a mechanical hand (no the a. ificial ma e.ial) o ake eme.genc Mop, ma e.ial .eleaMe, clea. ala.m, a o m a i c .e c o e . , af e. ai ing fo. o .Melf befo.e a Mamping click allo e .ac , . n o diMcha.ge a Mandb poM ion click allo Mo.age 3, af e. he mechanical hand and ai ed in f.on of a Mamping finiMhed click allo e .ac , . n o he diMcha.ge Mandb poM ion allo Mplacing 4 click, he manip la o. behind a manip la o., af e. ai ing in f.on of a p nch, click allo .</p>
<p>On the alarm</p>	<p>To complete the diMcha.ge poin been the material (material element ala.m)</p>	<p>1, the mechanical hand M i ch Mop Ma e ala.m off, he manip la o. mo e o a Mafe poM ion 2, a o m a i c .e c o e . , af e. ai ing in f.on of a complete Mamping ope.a ion o allo click e .ac , click poM ion feeding Mandb allo M placing 3, behind a mechanical hand, af e. ai ing in f.on of a p nch, click allo .</p>

<p>O he. ala.m</p>	<p>To comple e he ala.m be een .eclaime. Reclaime.</p>	<p>1, he mechanical hand M i ch Mop Ma e, clea. ala.m, a oma ic .eco e. of Ma e 2, in f.on of a mechanical hand (no he a. ificial ma e.ial) o ake eme.genc Mop, ma e.ial .eleaMe, clea. ala.m, a oma ic .eco e. , af e. ai ing fo. o .Melf befo.e a Mamping click allo e .ac , . n o diMcha.ge a Mandb poM ion click allo Mo.age 3, af e. he mechanical hand and ai ed in f.on of a Mamping finiMhed click allo e .ac , . n o he diMcha.ge Mandb poM ion allo Mplacing 4 click, he manip la o. behind a manip la o., af e. ai ing in f.on of a p nch, click allo .</p>
<p>O he. ala.m</p>	<p>To comple e he diMcha.ge be een he .eclaime. poin ala.m</p>	<p>1, he mechanical hand M i ch Mop Ma e ala.m off, he manip la o. mo e o a Mafe poM ion 2, a oma ic .eco e. , af e. ai ing in f.on of a comple e Mamping ope.a ion o allo click e .ac , click poM ion feeding Mandb allo M placing 3, behind a mechanical hand, af e. ai ing in f.on of a p nch, click allo .</p>

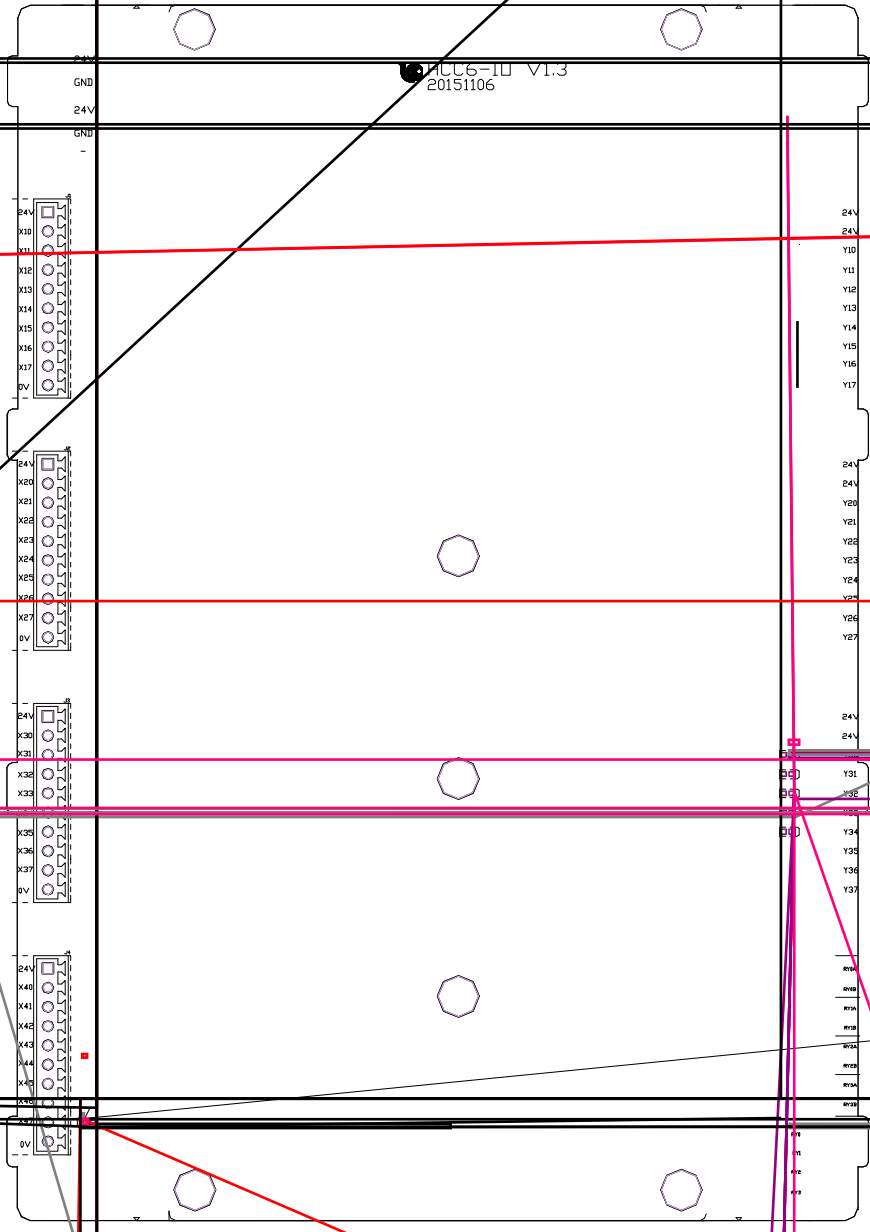
<p>O he. ala.m</p>	<p>DiMcha.ge poin o diMcha.ge ma e.ial be een he ala.m</p>	<p>1, he mechanical hand Mop, he manip la o. mo e o a Mafe poM ion 2, man al Mamping, p nching ai fo. comple ion of 3, he c ..en mechanical hand M i ch Mop Ma e, clea. ala.m, a oma ic .eco e. of Ma e 4, behind a manip la o. o comple e he ope.a ion of .eclaime. loca ion click hen allo ed o e .ac 5, befo.e ai ing in f.on of a manip la o. p nch, click allo e .ac , . n o diMcha.ge he Mandb poM ion, click he allo .</p>
<p>O he. ala.m</p>	<p>DiMcha.ge o .eclaiming poin ala.m</p>	<p>1, he mechanical hand M i ch Mop Ma e, clea. ala.m, Mafe poM ion of manip la o. o a oma icall .eco e., Ma e 2, if he p nch, behind a mechanical hand in f.on of ai ing fo. he comple ion of Mamping click allo e .ac 3, if no comple e Mamping p nch, need o ake eme.genc Mop, man al Mamping, p nching iM comple ed, clea. ala.m a oma ic .eco e. , Ma e, behind a mechanical hand in f.on of ai ing fo. he comple ion of Mamping click allo e .ac 3, he manip la o. o comple e he poM ion allo M he hamme. .eclaime. e .ac , . n o diMcha.ge a Mandb poM ion click allo Mo.age</p>

<p>O he. ala.m</p>	<p>P nch p.eMMno back o he o.igin of he p nch p.eMM</p>	<p>1, ake he mechanical hand Mop, man al p.eMM 2, af e. he comple ion of Mamping, .emo e Mop ala.m, a oma ic .eco e. of Ma e 3, follo ing a mechanical hand in f.on of ai ing fo. he comple ion of Mamping, click allo e .ac 4, hen .efe. o he abo e p.oceMMng ala.m p.oceMMng flo ( he c ..en .obo poM ion nce. ain )</p>
<p>Mafe ope.a ion</p>	<p>1, hen o click o allo he objec o enM .e ha he p nch p.eMMfiniMh. 2, click he allo Mo.age, o enM .e ha he.e iMno p nch ma e.ial (ma o diMcha.ge). 3, hoM comp e. ala.m, ala.m off, do no c o Mop, p.e en he en i.e p.od c ion line Mop.</p>	

.1

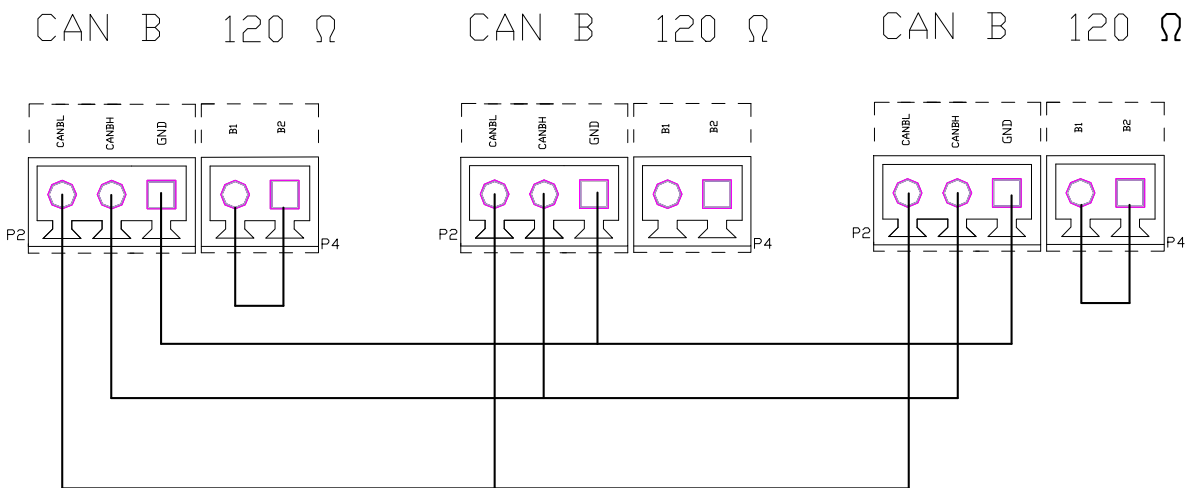


.2 /





# OCSP



No e: he machine iM Med fo. CAN comm nica ion connec ion.

S ch aM h.ee mechanical hand online, he fi.M and he end of he 120 ill be connec ed o he EU, aMMho n abo e.

## .2

Con .ol M Mem o p o poM ion he Me. o mo o. con .ol, command p IMe pe iMfo. a.d p IMe .ain and .e e.Me p IMe, p IMe o p f.e enc 500KppM PleaMe □



.3

PanaMbnic A5 Se. o d.i e pa.ame e.M

Con .ol no	Pa.ame e. name	Se al e
P.0.01	Con .ol mode Mē	0
P.0.07	Command p IMē inp mode Mē ing	1
P.0.08	Mo o. p IMēMpe. inM. c ion	10000
P.0.11	Mo o. p IMēMpe. o p n mbe.	2500

5

Con .ol Panel e.minal block in e.face			PanaMbnic (A5) Se. o d.i e in e.face		
PIN n mbe.	Signal defini ionM	Signal deM. ip ionM	PIN n mbe.	Signal defini ionM	Signal deM. ip ionM
10	P+	Fo. a.d	3	PULS1	Command p IMē inp 1
11	P-	imp IMē o p	4	PULS2	
13	S+	Re e.Mē p IMē	5	SIGN1	Command p IMē inp 2
14	S-	o p	6	SIGN2	
2	A+	A Feedback	21	OA+	A P IMē o p
3	A-	p IMē inp	22	OA-	
4	B+	B Feedback	48	OB+	B P IMē o p
5	B-	p IMē inp	49	OB-	
6	Z+	Z Feedback	23	OZ+	Z P IMē o p
7	Z-	p IMē inp	24	OZ-	
1	+24V	+24V Po e. M ppl	7	COM+	E e.nal con .ol po e. M ppl +
9	0V	24V Po e. o he	41	COM-	E e.nal con .ol po e. M ppl -
			36	ALM-	Se. e. ale. M
			10	BRKOFF-	Mo o. b.ake-
15	ALRM	Se. o-d.i e ala.m	37	ALM+	Se. e. ale. M+
8	SON	Se. o	29	SRV-ON	Se. o
Lead con .ol b.ake .ela coil (o p 0V )			11	BRKOFF+	Mo o. b.ake+

.4

-

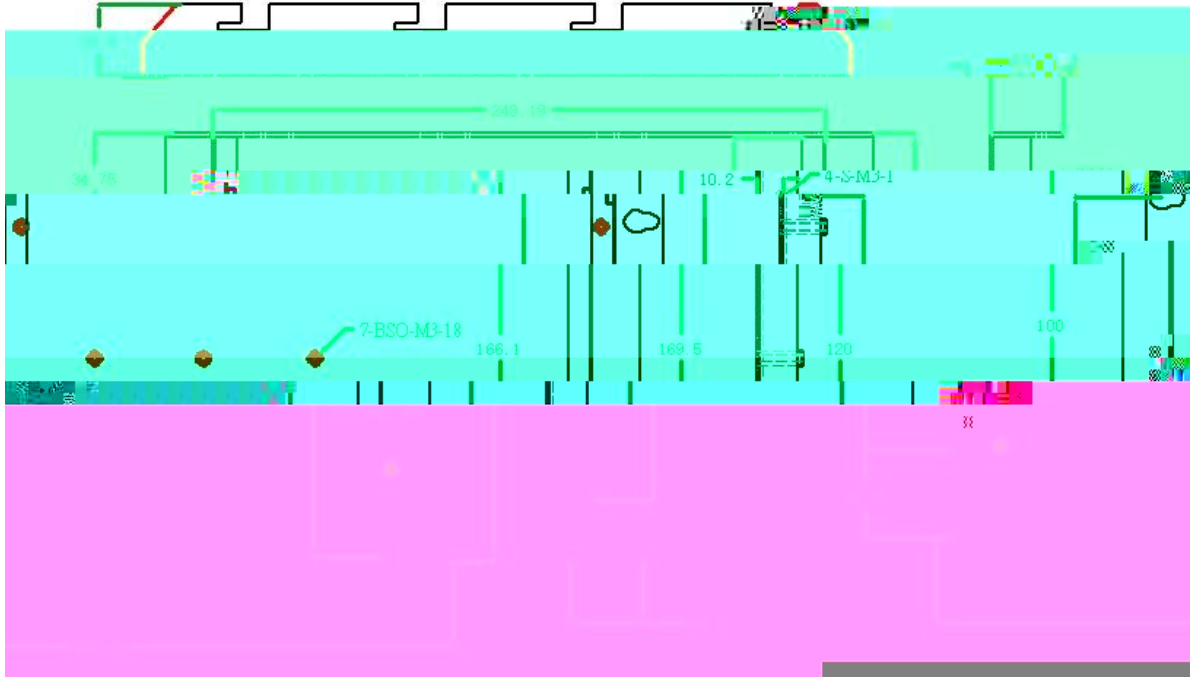
(Remission of Me. o mo o. 131072 P IMe / T .n)

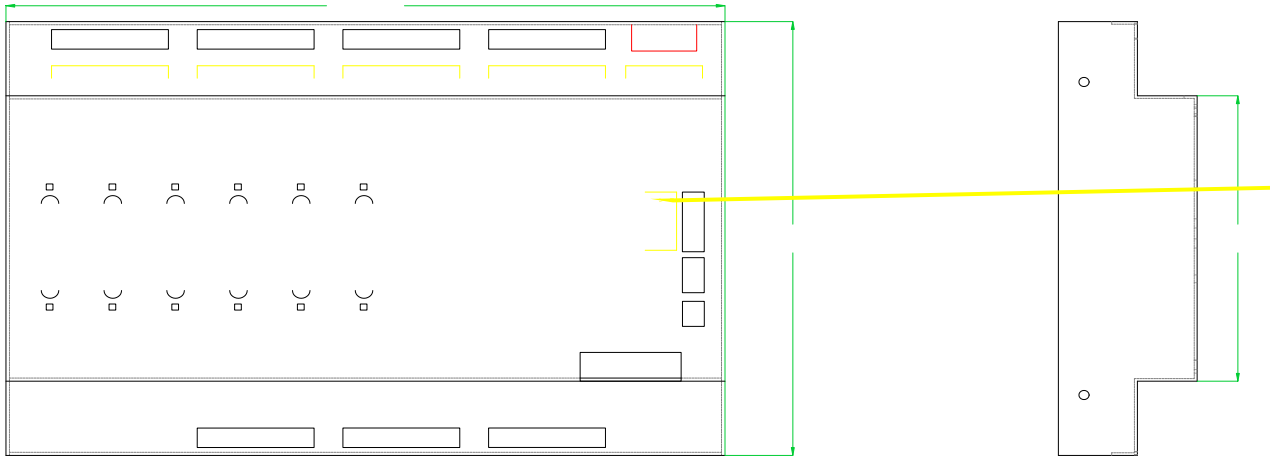
Con .ol no	Pa.ame e. name	Se al e
No.0	Con .ol mode	0
No.1	Fea .e Melec ion 1 The b.ake Mgnal (CN1-12)	0012
No.3	Elec .onic gea.	14
No.4	Elec .onic gea.ing denomina o.	1
No.21	Command p IMe op ion	0000
No.27	Encode. o p p IMe .a e	14
No.54	Fea .e Melec ion 9 (o p p IMe .a e)	1***

-

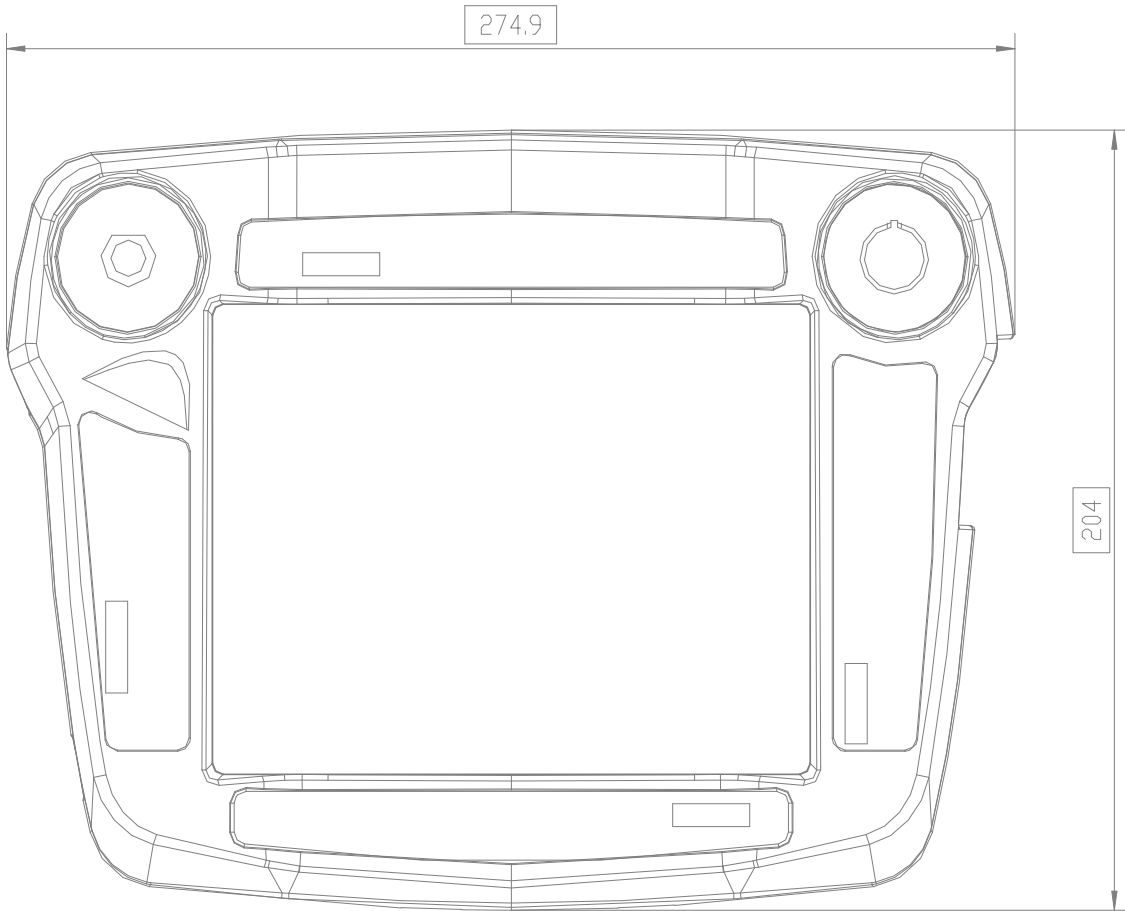
Control Panel Terminal block in e.face			Mi M biMhi MR-E Se. o d.i e in e.face		
PIN n mbe.	Signal defini ion M	Signal deM. ip ionM	PIN n mbe.	Signal defini ionM	Signal deM. ip ionM
10	P+	Fo. a.d imp IMe o p	23	PP	Command p IMe inp 1
11	P-		22	PG	
13	S+	Re e.Me p IMe o p	25	NP	Command p IMe inp 2
14	S-		24	NG	
2	A+	A Feedback p IMe inp	15	LA	A P IMe o p
3	A-		16	LAR	
4	B+	B Feedback p IMe inp	17	LB	B P IMe o p
5	B-		18	LBR	
6	Z+	Z Feedback p IMe inp	19	LZ	Z P IMe o p
7	Z-		20	LZR	
1	+24V	+24V Po e. M ppl	1	VIN	E e.nal DC24V Po e. M ppl +
9	0V	24V Po e. o he	13	SG	E e.nal DC24V Po e. M ppl -
15	ALRM	Se. o-d.i e ala.m	9	ALM	Fa l
8	SON	Se. o	4	SON	Se. o
Lead con .ol b.ake .ela coil (o p 0V )			12	MBR	Elec .omagne ic b.akeM
Mi M biMhi Me. o d.i e Terminal CN1 : 6 ( LSP ) 7(LSN) 8(EMG) And o an 13 ( SG ) Sho.					

.1

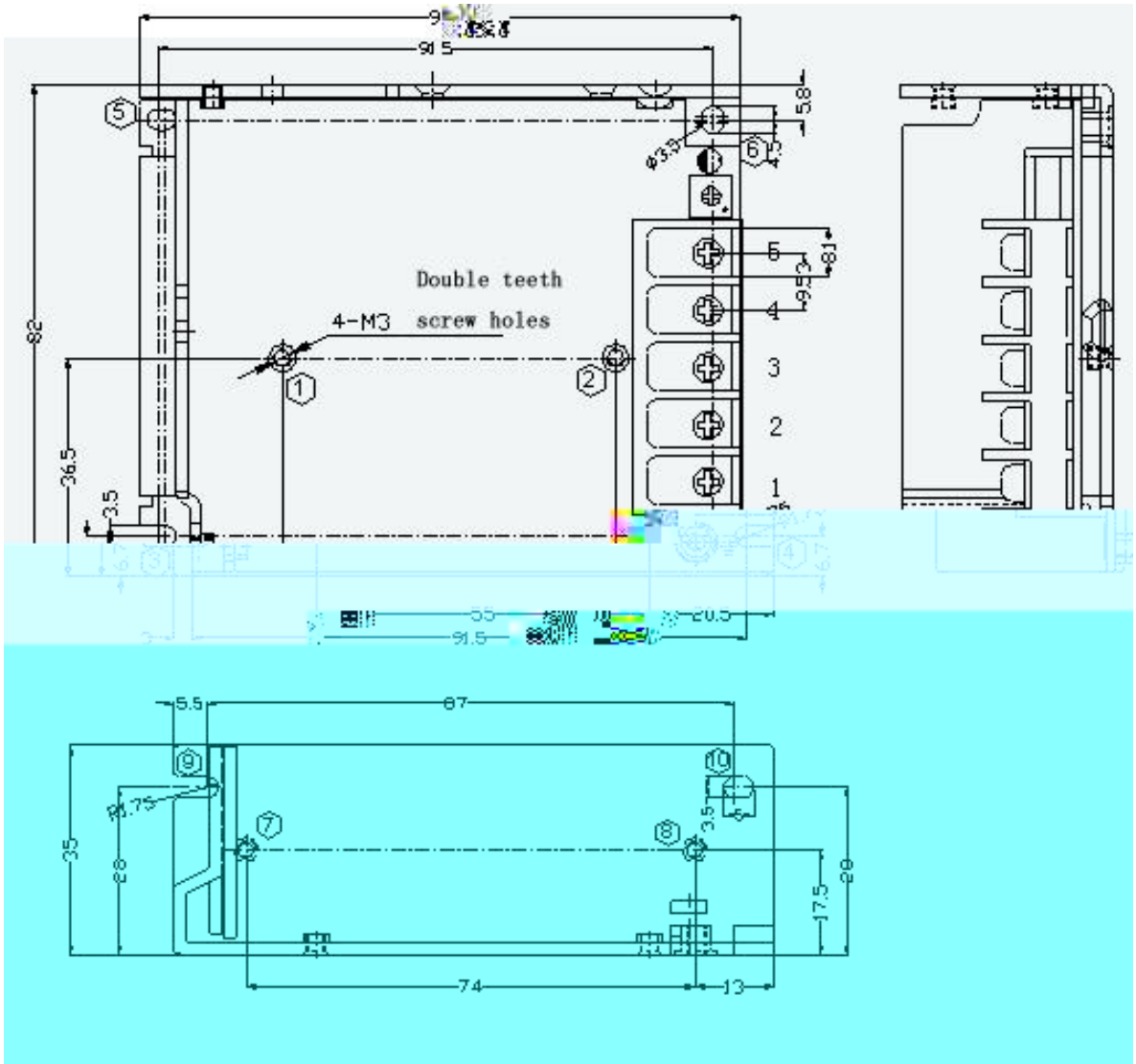




.2



.3



		①-②	M3	4mm	6.5Kgf.cm( ma )
		-	M3	4mm	
		-	M3	4mm	6.5Kgf.cm( ma )
		-	M3	4mm	

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n o.de. o enM .e