

KL-CTDS

KL-WSCBSN



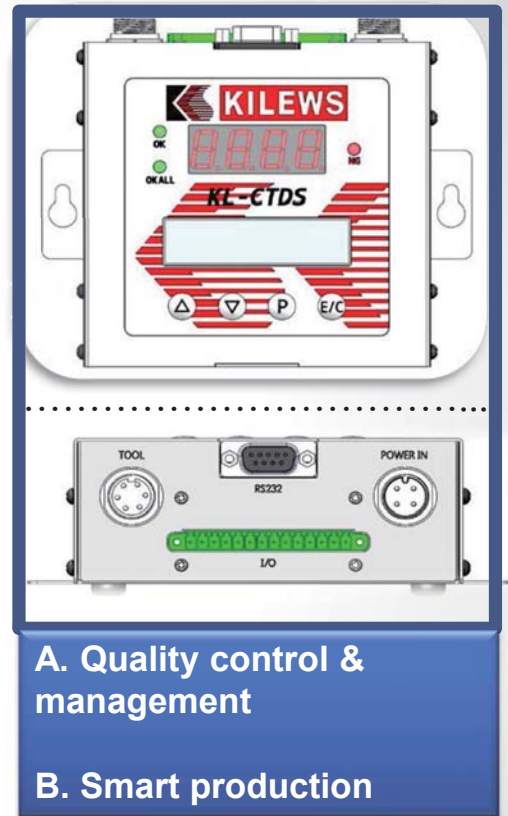
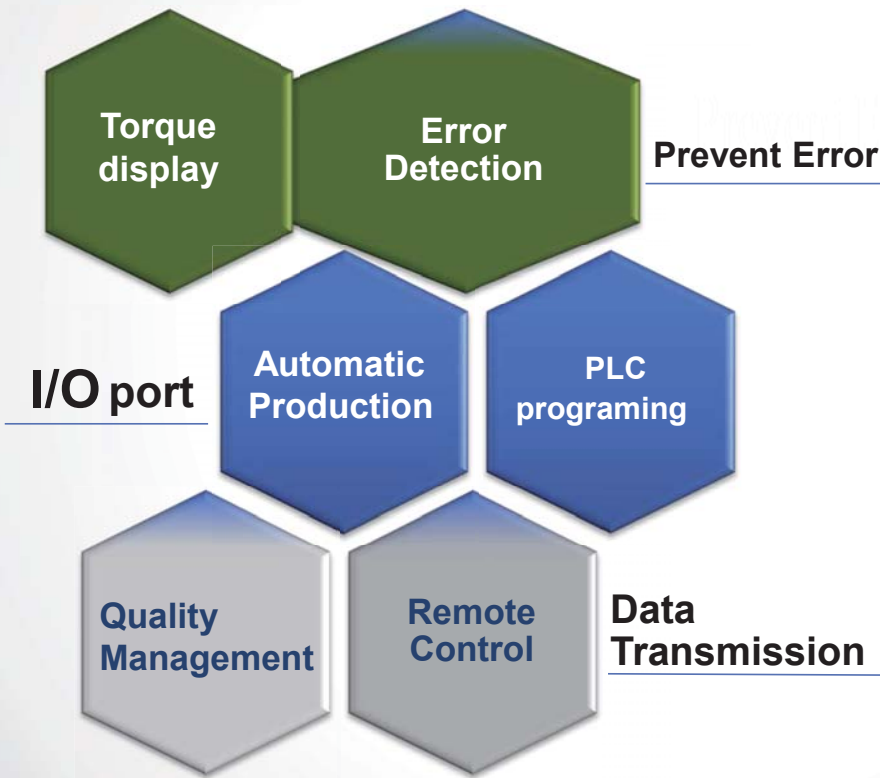
20160919R5

i. KL-CTDS

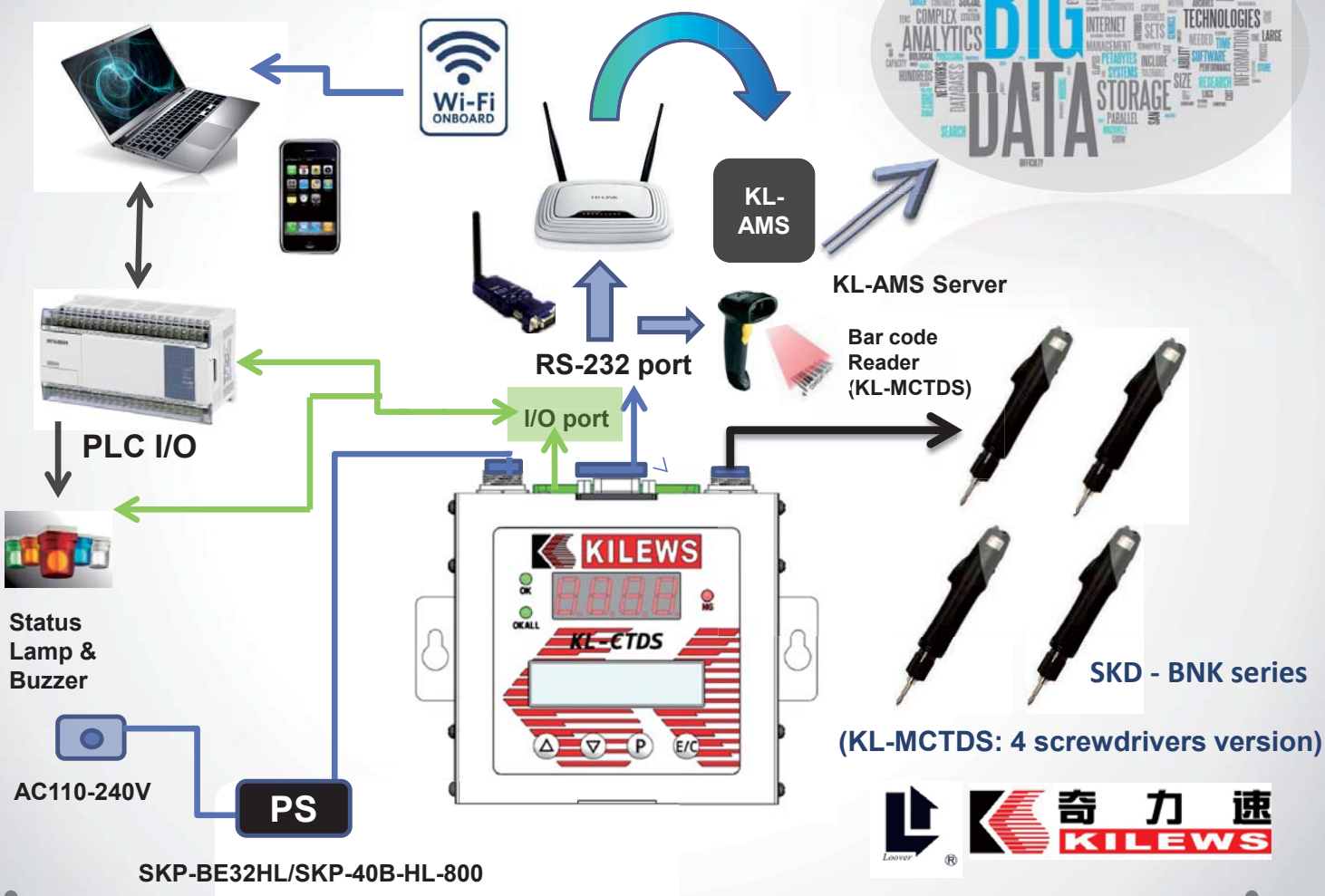


KL-CTDS

⊖ Product Features



KL-CTDS

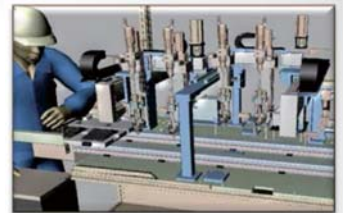


KL-CTDS

KL-AMS Assembly Management System

Kilews Assembly Management System

Equipment	Equipment IP	Received Time	Screws	Torque	Tightening Time	Number of Rotation	Status
10	192.168.111.101	2016/06/30 11:33:36	3 INC	2.9 KGF	0.0	0.5	OK
10	192.168.111.101	2016/06/30 11:33:35	2 INC	6.3 KGF	0.4	5.1	OK
10	192.168.111.101	2016/06/30 11:33:29	2 INC	6.0 KGF	0.4	5.5	OK
1	192.168.111.101	2016/06/30 11:32:27	1 INC	2.9 KGF	0.0	0.5	OKALL
1	192.168.111.101	2016/06/30 11:32:27	5 INC	2.9 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:32:26	4 INC	3.0 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:32:26	3 INC	3.0 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:32:25	2 INC	6.2 KGF	0.5	7.3	OK
1	192.168.111.101	2016/06/30 11:32:21	2 INC	6.3 KGF	0.6	8.3	OK
1	192.168.111.101	2016/06/30 11:32:17	2 INC	6.1 KGF	0.4	5.9	OK
1	192.168.111.101	2016/06/30 11:32:14	2 INC	6.2 KGF	0.6	7.9	OK
1	192.168.111.101	2016/06/30 11:13:09	4 INC	2.5 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:09	3 INC	2.6 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:07	2 INC	2.5 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:06	1 INC	2.5 KGF	0.0	0.5	OKALL
1	192.168.111.101	2016/06/30 11:13:06	5 INC	2.5 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:06	4 INC	2.5 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:06	3 INC	2.6 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:06	2 INC	2.6 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:05	1 INC	2.6 KGF	0.0	0.5	OKALL



Schematic view of production line



SKD-BNK series



KL-CTDS

⊖ DAS Data Acquisition System

Kilews CTDS Data Acquisition System Ver 0.51

Connection Control :
 Device Comm Port : COM1 9600 None 8 1
 Server Address :
 [OPEN] [CLOSE] [EXIT]
 [CONNECT] [DISCONNECT]

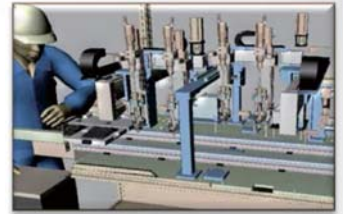
Received Data Display :
 Received Time :
 Device ID :
 Device Count :
 Screw Count : INC
 Shutoff Time : Sec
 Shutoff Torque : Nm
 Shutoff Thread :
 Shutoff Status :

Data Analysis :
 Count = Enable
 Shutoff Thread > 0.5
 OK Time Limit : 1.0 Count : 0
 OKALL Time Limit : 10.0 Count : 0
 Max Min Avg +% -%
 Device Summary :
 NG OK OKALL NG%

Counting Control Setting (Learning):
 Tool Sn : 00000-000000
 Tool ID : 1 [GET] [SET]
 Program Unit : 1 [EDIT] [COPY]
 Max / Screw Count : / [SAVE]
 HT : 99.9 LT : 0.0 Status :
 HQ : 99.9 LQ : 0.0 Status :
 HC : 99.9 LC : 0.0 Status :

Received Data List :
 File Name : [SAVE] EXPORT To : notepad.exe

Recv. No	Recv. Time	Device Count	ID	Time	Torque	Unit	Thread	Device Status	Screw Count	Count Inc/Dec	System Status	Torque St.	Time St.	Thread St.	OK Interval
----------	------------	--------------	----	------	--------	------	--------	---------------	-------------	---------------	---------------	------------	----------	------------	-------------



Schematic view of production line



USB to RS232

SKD-BNK series



KL-CTDS

① DAS - Use excel to open log data

1	Recv. Time	Device CoID	Torque	Unit	Time	Thread	Device Stat	Screw Cou	Count Inc/System Sta	Torque St	Time St	Thread St	OK Interva	OKALL Interval
2	2016/7/26 10:43	165	15	4.5 KGF	0.1	3	OKALL	5	DEC	OK	OK	OK	0.49	0.01
3	2016/7/26 10:43	166	15	4.5 KGF	0.3	4.9	OK	4	DEC	OK	OK	OK	0.6	
4	2016/7/26 10:43	167	15	4.6 KGF	0.2	4.8	OK	3	DEC	OK	OK	OK	0.56	
5	2016/7/26 10:43	168	15	4.6 KGF	0.2	3.8	OK	2	DEC	OK	OK	OK	0.56	
6	2016/7/26 10:43	169	15	4.6 KGF	0.2	4.6	OK	1	DEC	OKALL	OK	OK	0.75	
7	2016/7/26 10:43	170	15	4.7 KGF	0.2	3.9	OKALL	5	DEC	OK	OK	OK	0.5	2.96
8	2016/7/26 10:43	171	15	4.5 KGF	0.2	4.5	OK	4	DEC	OK	OK	OK	0.5	
9	2016/7/26 10:43	172	15	4.7 KGF	0.2	4	OK	3	DEC	OK	OK	OK	0.56	
10	2016/7/26 10:43	173	15	4.5 KGF	0.2	3.8	OK	2	DEC	OK	OK	OK	0.55	
11	2016/7/26 10:43	174	15	4.5 KGF	0.2	4	OK	1	DEC	OKALL	OK	OK	0.58	
12	2016/7/26 10:43	175	15	4.5 KGF	0.2	3.9	OKALL	5	DEC	OK	OK	OK	0.56	2.76
13	2016/7/26 10:43	176	15	4.6 KGF	0.2	3.9	OK	4	DEC	OK	OK	OK	0.56	
14	2016/7/26 10:43	177	15	4.5 KGF	0.2	3.6	OK	3	DEC	OK	OK	OK	0.69	
15	2016/7/26 10:43	178	15	4.4 KGF	0.2	3.5	OK	2	DEC	OK	OK	OK	0.49	
16	2016/7/26 10:43	179	15	4.5 KGF	0.2	3.8	OK	1	DEC	OKALL	OK	OK	0.53	
17	2016/7/26 10:43	180	15	4.4 KGF	0.2	3.8	OKALL	5	DEC	OK	OK	OK	0.56	2.83
18	2016/7/26 10:43	181	15	4.2 KGF	0.2	3.5	OK	4	DEC	OK	OK	OK	0.58	
19	2016/7/26 10:43	182	15	4.2 KGF	0.2	3.3	OK	3	DEC	OK	OK	OK	0.84	
20	2016/7/26 10:43	183	15	4.5 KGF	0.2	3.8	OK	2	DEC	OK	OK	OK	0.5	
21	2016/7/26 10:43	184	15	4.4 KGF	0.2	3.9	OK	1	DEC	OKALL	OK	OK	0.5	
22	2016/7/26 10:43	185	15	4.6 KGF	0.2	3.6	OKALL	5	DEC	OK	OK	OK	0.56	2.97
23	2016/7/26 10:43	186	15	4.4 KGF	0.2	3.2	OK	4	DEC	OK	OK	OK	0.95	
24	2016/7/26 10:43	187	15	4.5 KGF	0.2	3.6	OK	3	DEC	OK	OK	OK	0.51	
25	2016/7/26 10:43	188	15	4.5 KGF	0.2	3.7	OK	2	DEC	OK	OK	OK	0.54	
26	2016/7/26 10:43	189	15	4.5 KGF	0.2	3.6	OK	1	DEC	OKALL	OK	OK	0.58	

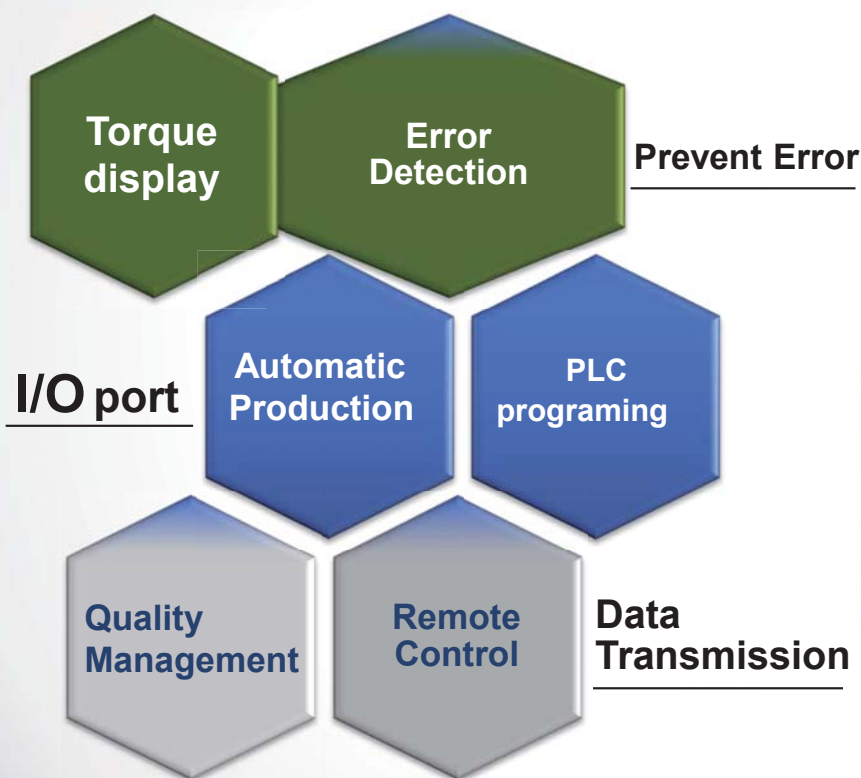


ii. KL-WSCBSN



KL-WSCBSN

Product Features

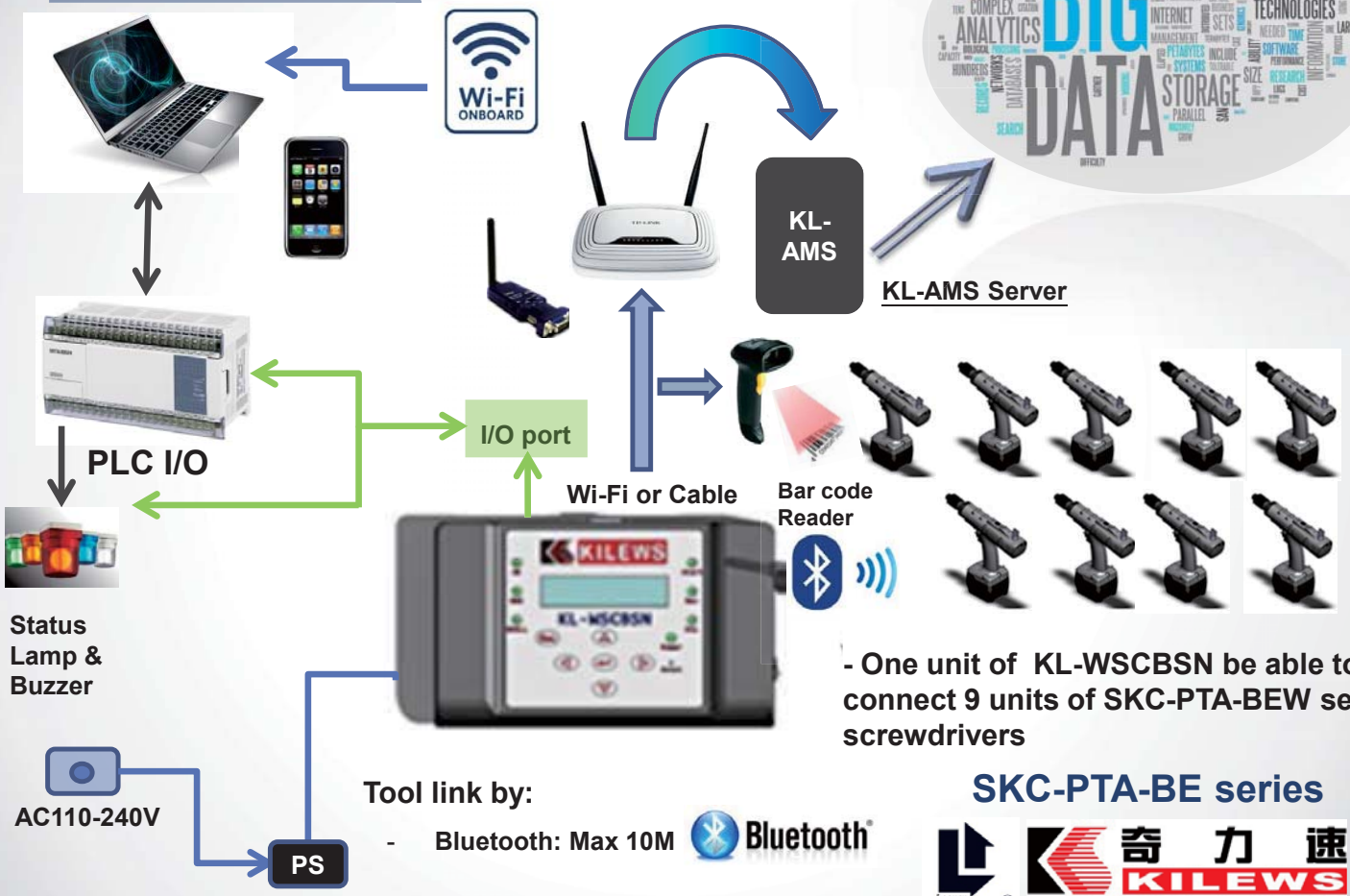


A. Quality control & management

B. Smart Manufacturing



KL-WSCBSN



- One unit of KL-WSCBSN be able to connect 9 units of SKC-PTA-BEW series screwdrivers

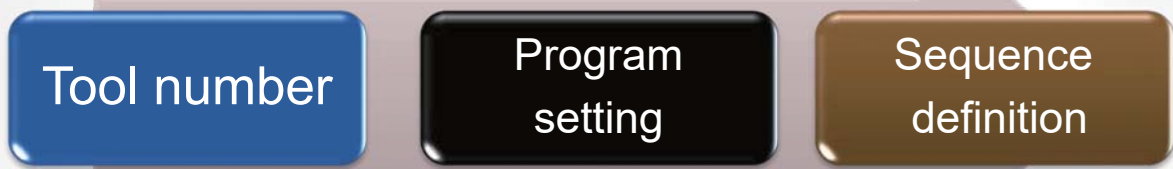
SKC-PTA-BE series



Tool link by:
- Bluetooth: Max 10M  Bluetooth®

KL-WSCBSN

⊖ How to programming the work process sequence:



Tool selection:

- Number T1- T9
- PS: Only one tool available at the same time

Program setting and select:

- Hi/Lo time
- Screw count
- PS: 99 programs can be set

Sequence:

- Up to 199 groups can be set

- Real-time information updated and display on computer after fastening

Sequence number	Program number	Tool number
002	002	#1
Ct: 1		St: OKALL



KL-WSCBSN

⊖ Feature of SKC-PTA-BE120/BE90/BE50F/BE30

- A. Built-in error proof function
- B. Display screw tightening status by LED and LCD
- C. I/O signals to PLC by KL-WSCBSN
- D. Input signal to control driver by PLC



I/O

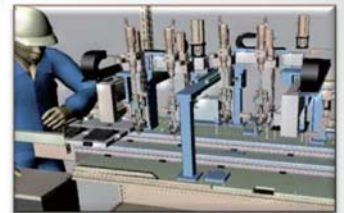


KL-WSCBSN

KL-AMS Assembly Management System

Kilews Assembly Management System

Equipment	Equipment IP	Received Time	Screws	Torque	Tightening Time	Number of Rotation	Status
10	192.168.111.101	2016/06/30 11:33:36	3 INC	2.9 KGF	0.0	0.5	OK
10	192.168.111.101	2016/06/30 11:33:35	2 INC	6.3 KGF	0.4	5.1	OK
10	192.168.111.101	2016/06/30 11:33:29	2 INC	6.0 KGF	0.4	5.5	OK
1	192.168.111.101	2016/06/30 11:32:27	1 INC	2.9 KGF	0.0	0.5	OKALL
1	192.168.111.101	2016/06/30 11:32:27	5 INC	2.9 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:32:26	4 INC	3.0 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:32:26	3 INC	3.0 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:32:25	2 INC	6.2 KGF	0.5	7.3	OK
1	192.168.111.101	2016/06/30 11:32:21	2 INC	6.3 KGF	0.6	8.3	OK
1	192.168.111.101	2016/06/30 11:32:17	2 INC	6.1 KGF	0.4	5.9	OK
1	192.168.111.101	2016/06/30 11:32:14	2 INC	6.2 KGF	0.6	7.9	OK
1	192.168.111.101	2016/06/30 11:13:09	4 INC	2.5 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:09	3 INC	2.6 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:07	2 INC	2.5 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:06	1 INC	2.5 KGF	0.0	0.5	OKALL
1	192.168.111.101	2016/06/30 11:13:06	5 INC	2.5 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:06	4 INC	2.5 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:06	3 INC	2.6 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:06	2 INC	2.6 KGF	0.0	0.5	OK
1	192.168.111.101	2016/06/30 11:13:05	1 INC	2.6 KGF	0.0	0.5	OKALL



Schematic view of production line



Up to 9 units of SKC-PTA-BEW screwdrivers can be connected to one KL-WSCBSN

SKC-PTA-BEW





(辦公室管理 電腦工作站)
WEB Browser



(生產線資料設定儲存 伺服器)
KL-AMS Server



(Ethernet 網路連線)

(Ethernet 網路連線)

(Ethernet 網路連線)

(Ethernet 網路連線)



KL-CTDS

(USB/RS-232C)



(工作站管理電腦工作站)
KL-CMS Station

(USB/RS-232C)



Bar Code Reader



PLC



燈號 Lamp

蜂鳴器 Buzzer

控制開關 Control Switch

(I/O)

(I/O)



KL-WSCBSN



奇力速
KILEWS