

PT KYORITSU ELECTRIC INDONESIA

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 marketing@kyoritsu.co.id - <https://kyoritsu.co.id/>

 **Gedung Cikarang Technopark , Lantai 2**
Jl. Inti 1 Blok C1 No.7 , Lippo Cikarang , Bekasi 17550 – Jawa Barat

 **(021) 29093182**

 **Gedung Srijaya Lantai 4 Ruang 403 C**
Jl. Mayjend Sungkono No.212-214 Putat Gede, Kec. Sukomanunggal,
Surabaya, Jawa Timur 60189

 **(031) 35934019**



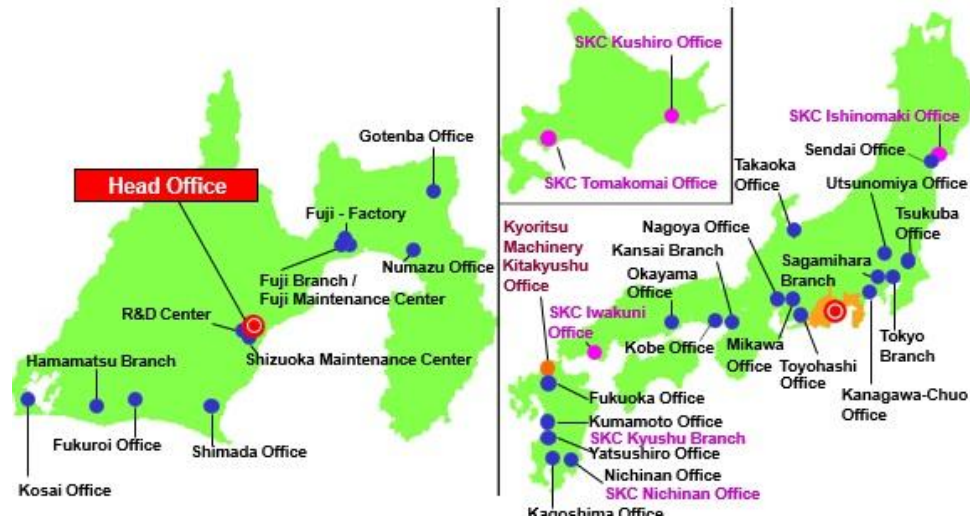
Tentang Kami

- PT. Kyoritsu Electric Indonesia atau biasa disingkat KEN, adalah perusahaan Jepang yang termasuk dalam Kyoritsu Electric Group yang bergerak dibidang pengembangan sistem integrasi untuk pabrik industri besar maupun kecil, serta melayani servis untuk mesin maupun peralatan teknik di perusahaan manufaktur.
- Kami memberikan solusi bagi kebutuhan konsumen untuk otomatisasi mesin, penghematan energi, keamanan dan pengaturan produksi yang efisien.
- Kami juga memberikan garansi / jaminan kualitas, serta kepuasan pelanggan yang melingkupi semua kegiatan bisnis kami dari mulai proses perencanaan, teknis pengerjaan, pemasangan produk, servis dan perbaikan.

Sejarah



Lokasi



Kantor Pusat di Jepang

Kyoritsu Electric Corporation

61-1 Nakada-honcho Suruga-ku Shizuoka-shi Shizuoka Japan 422-8686 CEO : Mr. Nobuyuki Nishi (President Director)

- Karyawan di Jepang : 385 orang
- Total di seluruh dunia : 1.862 orang



Kantor di Indonesia

Kyoritsu Electric Indonesia

Direktur : Mr. Murata Masakazu (Managing Director)

Pusat : Gedung Cikarang Technopark, Lantai 2
Jl. Inti 1 Blok C1 No.7, Lippo Cikarang, Bekasi, Jawa Barat 17550

Cabang : Gedung Srijaya Lantai 4 Ruang 403 C
Jl. Mayjend Sungkono No.212-214 Putat Gede, Kec.Sukomanunggal, Surabaya, Jawa Timur 60189

Area Bisnis Kami



Factory Automation, System Solution (System Integration)

Pembuatan berbagai macam system sesuai kebutuhan customer untuk monitoring produksi, factory management, just in time delivery, traceability system, dll.



Machine Solution

Custom-made Special Purpose Machine (SPM)



Test & Measurement Test System

- PCBA Testing - In-Circuit Tester (ICT)
- Environmental Test Chamber



Other Product and General Trading

Berbagai macam instrument, dan mesin sesuai kebutuhan industrial anda.

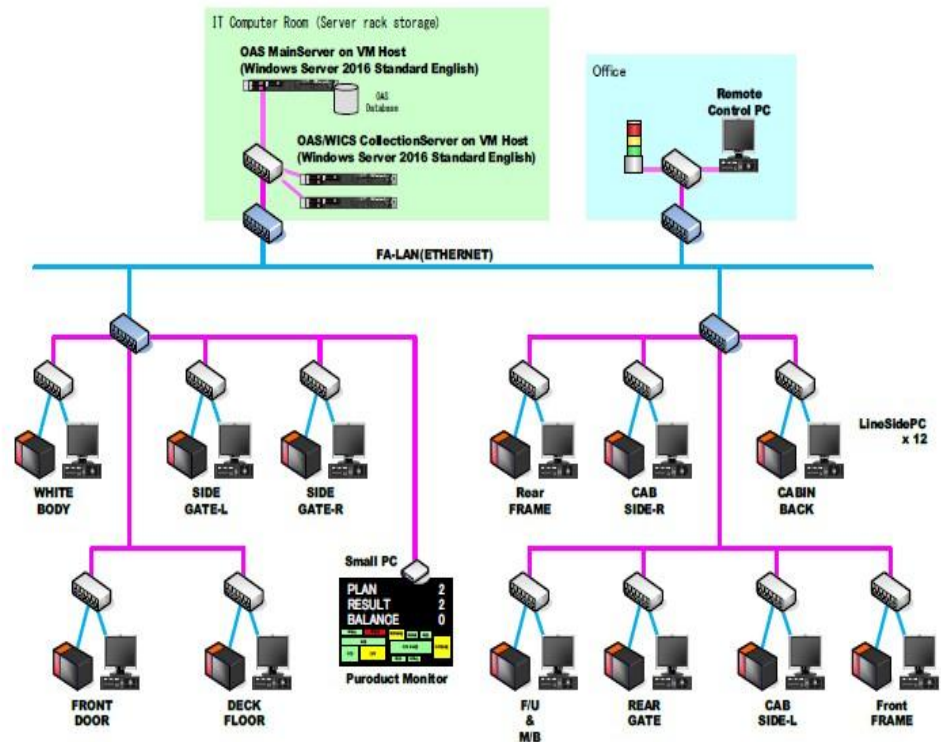


Factory Automation | System Solution

FACTORY MANAGEMENT SYSTEM

- **WICS** (Welding Information Collection System)
- **PCS** (Production Control System)
- **OAS** (Operation Analysis System)

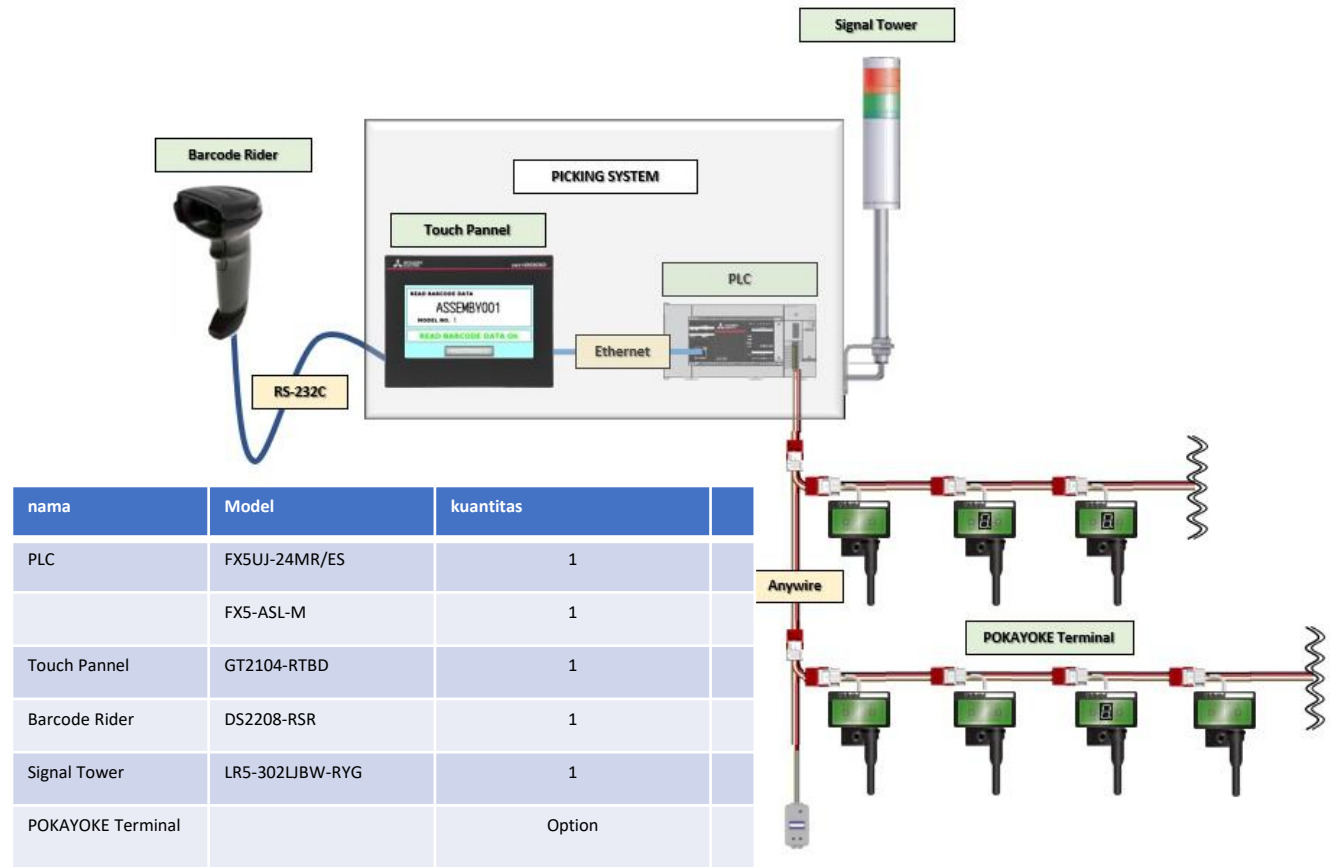
Mengontrol 299 unit robot welding di perusahaan pembuatan mobil dengan memanfaatkan 140 PLC dan timer pada setiap mesin.



Factory Automation | System Solution

Sistem Monitoring di Pabrik Digital Picking Pokayoke System

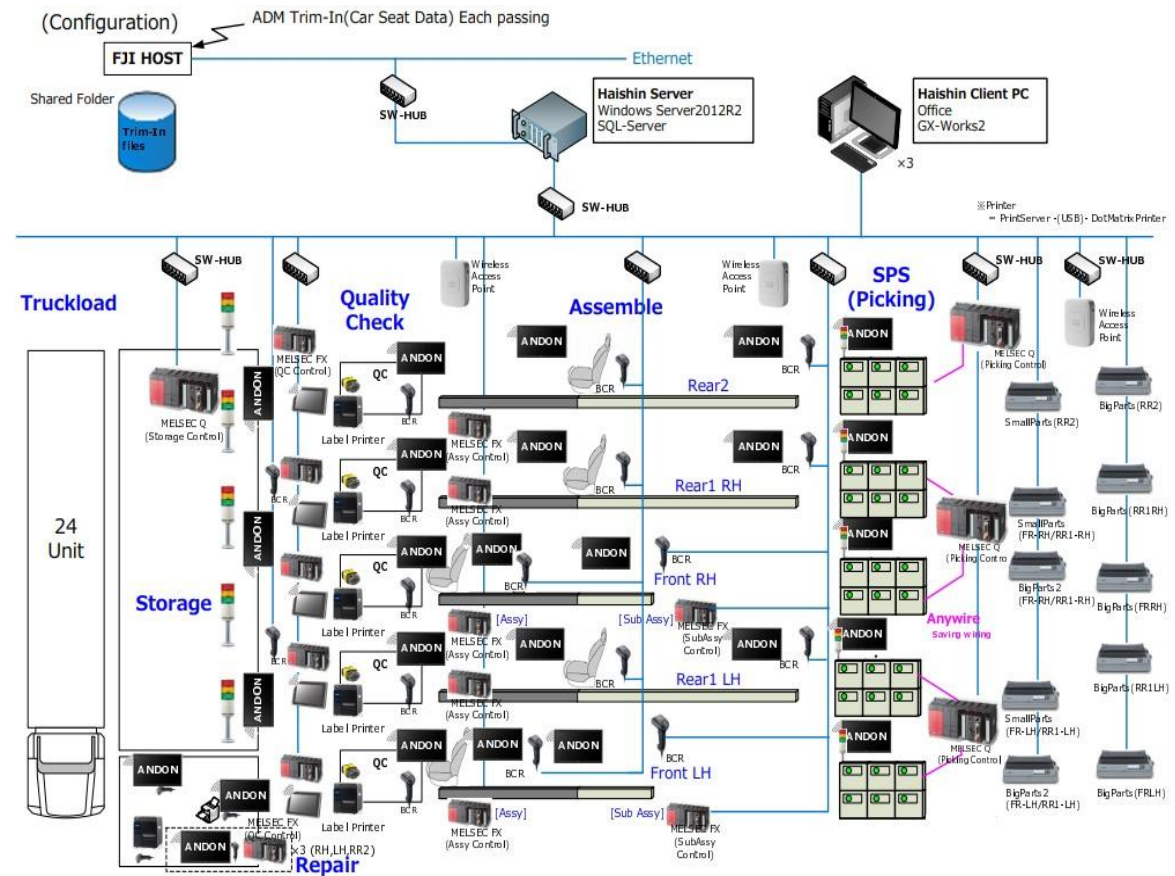
Digital Picking System adalah mekanisme yang memberi tahu operator tentang target produk dan jumlahnya dengan mengedipkan lampu digital yang dipasang di setiap bagian depan rak yang berisi produk/part dalam pekerjaan Picking, untuk mengeluarkan produk yang disimpan untuk pengiriman.



Factory Automation | System Solution

HAISHIN SYSTEMS (SUPER JUST IN TIME DELIVERY SYSTEM)

- Pengerjaan system pengaturan material di pabrik
- Seat mulai dirakit setelah menerima order dari perusahaan pembuat mobil pada 122 menit sebelum seat dipasang ke mobil.
- Tidak ada stok seat, dan tidak perlu area stok di pabrik.



Factory Automation | System Solution

Sistem Monitoring di Pabrik Kap@sitas System

Kap@sitas System merupakan sistem monitoring kondisi produksi secara *wireless* dengan memanfaatkan produk Patlite yaitu Signal Tower tipe LR-series dan Air GRID WD-series sebagai alat pemancar dan penerima sinyal.



Test & Measurement Test System

The leading test technology...



In-Circuit Tester (ICT) by Kyoritsu Test System (KTS)

In Circuit Tester atau bisa disebut juga dengan Analog in-circuit tester maupun MDA (Manufacturing Defect Analyzer) adalah : alat inspeksi elektrik untuk memeriksa cacat produksi dari komponen yang sudah terpasang di pcb.

ICT Automatic
Inline-ICT - Almax-2000



ICT MANUAL
Focus 2000 Plus



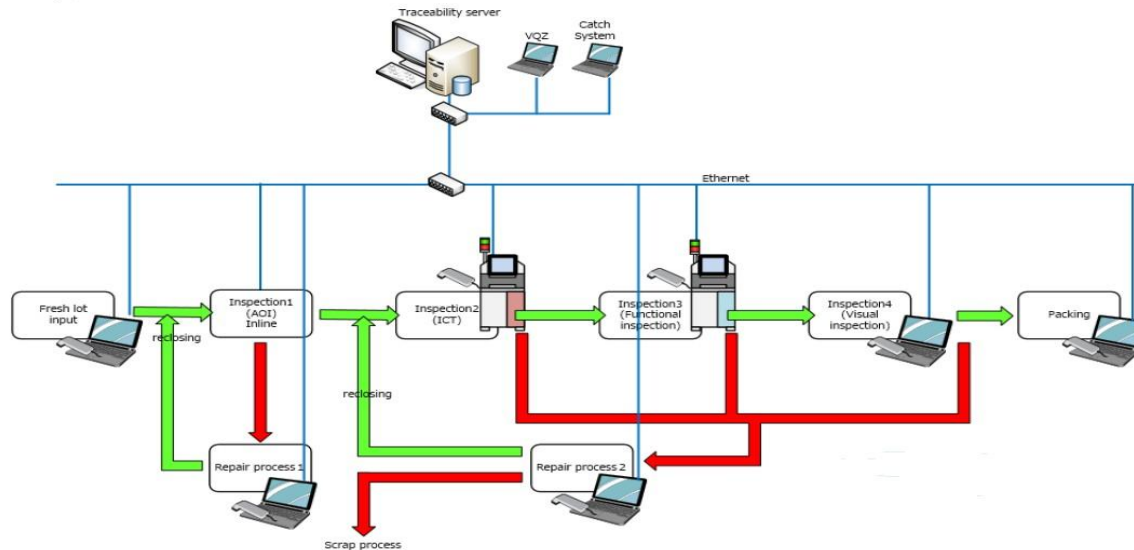
ICT HYBRID TESTER
Focus 4000



Test & Measurement Test System

Pembuatan Sistem Pengecekan PCB **TRACEABILITY SYSTEM**

Sistem ini dibuat untuk mengumpulkan data hasil inspeksi dan ditempatkan di database dengan tujuan agar mudah diakses dan mudah dicari saat diperlukan.



Factory Automation | System Solution

Andon Sistem

Andon adalah sistem visual yang digunakan dalam industri manufaktur untuk menunjukkan status produksi dan masalah yang mungkin terjadi di dalam Pabrik.

Tujuan utama dari sistem Andon adalah untuk memberikan informasi secara cepat kepada semua pihak yang terlibat dalam proses produksi ketika terjadi masalah di suatu bagian atau lini produksi tertentu.

Kami memberikan Solusi di beberapa Customer kami dalam Pembutan Andon dengan layar electronic

seperti : menggunakan layar Videotron , TV , Monitor.



Contoh Display andon pada TV

Tipe Prioritas											
Rabu, 04 September 2024 13:43:10											
No	Type	Pencapaian Hasil Produksi			Target Harian(Pcs)			Target Catatan Harian			
		Plan	Actual	Gap	Plan	Actual	Gap	Plan	Actual	Gap	
1		774	0	-774	3,507	129	0	-129	0.3	0.0	-0.3
2		11,604	88	-11,516	54,239	1,934	88	-1,846	4.1	0.2	-3.9
3		1,902	30	-1,872	9,245	317	30	-287	0.8	0.1	-0.7
4		1,266	25	-1,241	6,345	211	25	-186	0.5	0.1	-0.4
5		726	0	-726	3,276	121	0	-121	0.3	0.0	-0.3
6		3,840	34	-3,806	18,005	640	34	-606	1.6	0.1	-1.5
7		2,550	1	-2,549	9,302	425	1	-424	1.0	0.0	-1.0
8		2,508	1	-2,507	11,353	418	1	-417	1.0	0.0	-1.0
9		2,244	27	-2,217	11,516	374	27	-347	1.0	0.1	-0.9
10		2,130	52	-2,078	11,141	355	52	-303	0.7	0.1	-0.6
11		2,100	50	-2,050	9,967	350	50	-300	0.9	0.1	-0.8
12		1,794	51	-1,743	8,594	299	51	-248	0.7	0.1	-0.6
13		1,578	2	-1,576	7,481	263	2	-261	0.6	0.1	-0.5
14		1,572	0	-1,572	7,273	262	0	-262	0.7	0.1	-0.6
15		1,326	26	-1,300	5,686	221	26	-195	0.5	0.1	-0.4

Tipe Overproduktas											
Rabu, 04 September 2024 13:43:13											
No	Type	Type Over Produk			Target Harian(Pcs)			Target Catatan Harian			
		Plan	Actual	Gap	Plan	Actual	Gap	Plan	Actual	Gap	
1		0	0	0	0	0	0	0.0	0.0	0.0	
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
STOP PRODUKSI											

Contoh Display andon pada Videotron

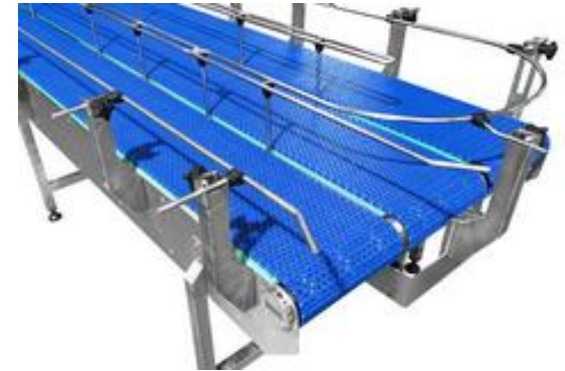
Factory Automation | Conveyor System

Conveyor Sistem

Kita dapat membuat Conveyor dengan berbagai macam design dan berbagai macam material .

Kita bisa memberikan konsultasi , design , pemasangan.

Modular Conveyor



Grafiti Conveyor



L Incline Belt Conveyor



Roller Conveyor



Warehouse Storage Solution

Racking Sistem

Racking system Medium Duty

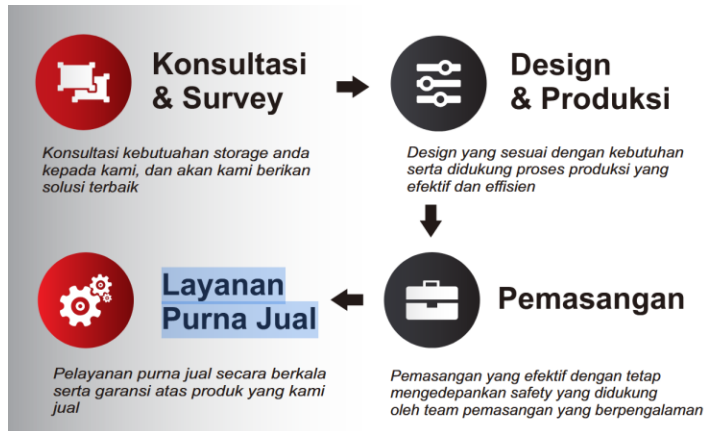


Multiter rack

Racking system Heavy Duty



Selective pallet rackLoad 2000kg/level



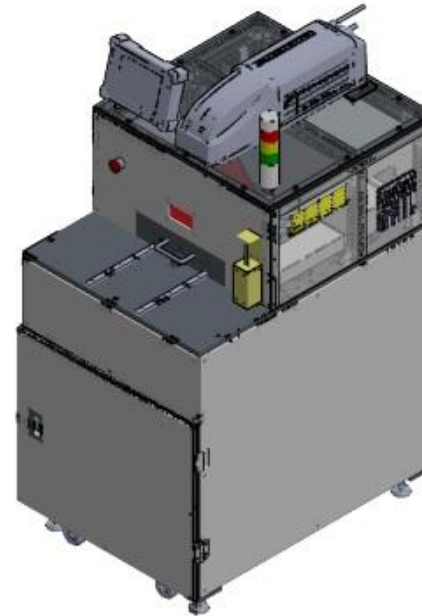
Drive in rackLoad 1000kg/pallet

Machine Solution

(Special Purpose Machine – Made by Order)

LASER MARKING

Alat ini dibuat sesuai dengan permintaan customer, yaitu untuk mencetak kode pada barang hasil produksi (bahan besi).



Machine Solution

(Special Purpose Machine – Made by Order)

INSPECTION MACHINE

Alat inspeksi ini di buat untuk pengecekan ulir drat di lubang baut, apakah sudah ada ulirnya atau belum .



Popular Products

WATERLine
open space cooling

Sistem Penyejuk Udara di Pabrik Waterline System

Solusi pendinginan pabrik untuk mengurangi tekanan panas yang ditimbulkan oleh operasi internal dan iklim setempat, membantu Anda menjalankan operasi dengan efisiensi, keamanan, dan kenyamanan yang lebih baik.

Ada 2 cara pemasangan Waterline system, yaitu:

1. Spot Cooling : meniupkan udara sejuk dari mesin waterline ke dalam pabrik melalui cerobong (ducting) mengarah ke area tempat pekerja berada.
2. Open Space Ventilation : meniupkan udara sejuk ke dalam ruangan pabrik / gudang dengan memanfaatkan sirkulasi udara dan ventilasi udara.



Popular Products

Mesin Penyaringan Oli MIRACLE BOY (Oil Filtration)

Pemasangan *Oil Filter* unit ini sebagai upaya untuk mengurangi biaya pembelian oli baru secara berkala, untuk menghilangkan *loss time* akibat terhentinya proses produksi dari dilakukannya perawatan mesin serta pergantian oli tersebut.

"Miracle Boy" Installation/Operation

The followings are several installation/operation examples out of more than 2,000 cases:



Lubricating oil for the sheet offset press (SRC-411-12V)



Lubricating oil for the oil-free compressor (SRC-411-12V)



Refinery turbine lubricating oil (SRC-814-15V; explosion proof)



Turbine engine oil for the natural gas carrier (SRC-8112-70V)



Geothermal plant turbine oil (SRC-8110-162VI-816-22V)



Paper machine lubricating hydraulic oil (SRC-816-22V)

Cleanliness levels according to applications before/after filtration

Hydraulic oil for the hydraulic injection molding machine (850 L) SRC-811-8V [The automotive large parts molding plant]

	Unit	Before filtration	After filtration
Kinematic viscosity (40°C)	mm ² /s	44.78	44.87
Moisture (KF Method)	ppm	1225	67
Total acid value	mgKOH/g	0.29	0.22
Contaminant level (KF Method)	mg/100ml	6.9	0.1

- Malfunctions of hydraulic control valves are eliminated and molding accuracy is increased.
- There is no need to replace oil; oil costs, the number of times of replacing solenoid valves and hydraulic pumps and personnel costs are significantly reduced; there is no waste of emission.



Lubricating oil (1,000 L) for the reducer SRC-812-6V [Plate manufacturing department in the metal processing factory]

	Unit	Before filtration	After filtration
Kinematic viscosity (40°C)	mm ² /s	137	136.7
Moisture (KF Method)	ppm	163	146
Total acid value	mgKOH/g	0.98	0.89
Contaminant level (KF Method)	mg/100ml	51.84	0.56

- Oil used to be replaced every six months due to significant contamination. At present there is no need to replace oil; metallic wear has dramatically decreased, thus increasing the operation rate.
- No oil replacement leads to drastic reduction of oil costs, machinery maintenance costs and personnel costs; there is no waste of emission.



Hydraulic oil for the hydraulic equipment (800 L tank) SRC-811-8V [The hydraulic equipment in the electric wire plant]

	Unit	Before filtration	After filtration
Kinematic viscosity (40°C)	mm ² /s	30.71	30.73
Moisture (KF Method)	ppm	11254	33
Total acid value	mgKOH/g	0.39	0.30
Contaminant level (KF Method)	mg/100ml	122	0.1

- Oil used to be replaced frequently due to significant contamination. At present, however, there is no need to replace oil. Machinery failures have decreased drastically, thus reducing maintenance personnel costs.
- No oil replacement leads to drastic reduction of oil costs, the number of replacement of solenoid valves and hydraulic parts and personnel costs; there is no waste of emission.



Lubricating oil (12,000 L) for the paper-making machine bearing SRC-8124-224V [Lubricating oil for the dryer bearing/gear in the paper factory]

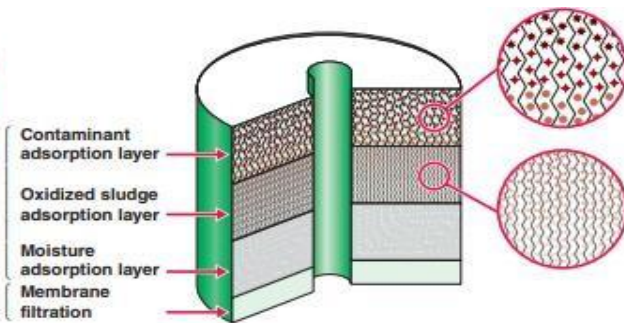
	Unit	Before filtration	After filtration
Kinematic viscosity (40°C)	mm ² /s	224.9	222.1
Moisture (KF Method)	ppm	3000	59
Total acid value	mgKOH/g	0.35	0.34
Contaminant level (KF Method)	mg/100ml	12.2	0.3

- Metallic abrasion powder collected in the tank was eliminated with time. There is no need to replace oil.
- There is no failure occurring. Personnel costs are reduced and waste of emissions are eliminated.



Depth filtration
(Depth type: Adsorption filtration in volume)

Surface filtration
(Surface type: Filtration on the filter surface)



- Each adsorption layer collects contaminants, oxides or moisture (Max. 1,000 cc/layer), trapping and removing the deterioration factor until it becomes full (Maximum trap mass: Approx. 5,700 kg/layer).
- The standard element corresponds to low-viscosity (VG2-) to high-viscosity (VG260) hydraulic oil.
- You can incinerate used elements and cases, which are made of inflammable materials.
- Soluble additives (equivalent to oil molecule) contained in new oil are not eliminated.

Popular Products

Penghisap Debu Kompak & Performa Tinggi Chiko Airtec (Small Dust Collector)

Dust collector Chiko Airtec adalah pengumpul debu yang kompak dan tangguh, produk kami meliputi dust collectors untuk battery production line, semiconductor industry, laser marking/processing dan untuk clean rooms.

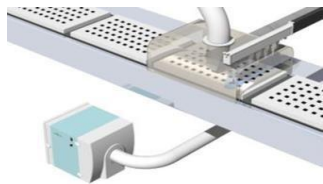
CKU Series



CKU-450AT3-HC

CKU-240AT3-HC

CKU-080AT3-HC


Air blow dust collector
chip/sensor elektronik


Kosmetik, bahan kimia

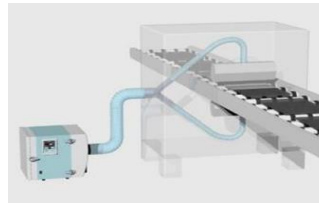
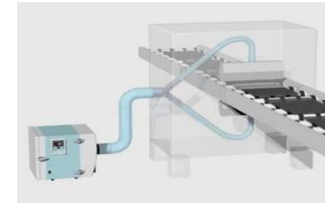
CBA Series



CBA-080AT3-HI

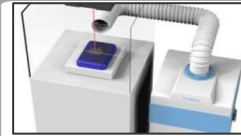
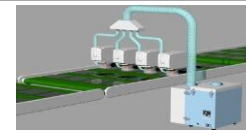
CBA-500AT3-HI

CBA-1200AT3-HI-V1


pengumpulan debu dari
permukaan atas-bawah
panel LCD sebelum dipasang


proses penimbangan obat

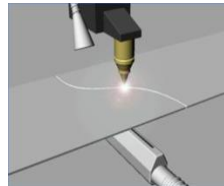
Laser Marking Series


Laser Marking exterior
ponsel

Marking permukaan pcb
liquid crystal (LCD)


CBA-1000AT3-HC-DSA-V1



CKU-060AT3-ACC


Komponen otomotif,
komponen elektronik

Laser cut
elektroda
baterai lithium
ion

Popular Products



Sound and Vibration Measuring system RION

Instrument pengukuran sound dan vibration untuk predictive maintenance dan diagnosis terhadap device atau mesin.

Vibration Analysis Program SX-A1VA



Specifications

Number of input channels	Max. 2 (with SA-A1B2) Max. 4 (with SA-A1B4) (Number of logical channels: Using one signal input, settings for analysis of multiple vibration quantities such as acceleration, velocity, displacement, acceleration envelope etc. can be made.)
Vibration frequency range (using PV-571)	Acceleration: 0.02 to 141.4 m/s ² (rms) Velocity: 0.2 to 141.4 mm/s (rms, at 159.15 Hz) Displacement: 0.02 to 40.0 mm (EQ peak-peak, at 15.915 Hz)
Measurement frequency range (Electrical characteristics)	Acceleration: 1 Hz to 20 kHz Velocity: 3 Hz to 3 kHz Displacement: 3 Hz to 500 Hz Acceleration envelope: 1 kHz to 20 kHz
Filters	
High-pass filter	1 Hz, 3 Hz, 5 Hz, 10 Hz, 1 kHz
Low-pass filter	500 Hz, 1 kHz, 5 kHz, 10 kHz, 20 kHz
Vibration meter mode	Acceleration: rms, EQ 0-peak, Waveform peak, Crest factor Velocity: rms, EQ 0-peak Displacement: rms, EQ 0-peak, EQ peak-peak
Sampling frequency	51.2 kHz
Store functions	Instantaneous value store, Auto store, Average value store
Threshold evaluation function	Allows setting a threshold value for a vibration quantity, with on-screen indication when the vibration quantity exceeds the threshold during measurement
ISO absolute value evaluation function	Evaluation of instantaneous value or average value can be performed based on ISO 20815-1:2016

Multi-channel sound and vibration measurement system

Sound Level Meter Unit / Vibration Meter Unit UN-14/UV-15



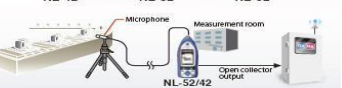
Can be linked in a measurement system up to 16 channels. With the dedicated interface unit, UV-22, allows controlling UN-14/UV-15 from computer.

Example for multi-channel sound/vibration measurement system



Sound Level Meters NL-42/52/62

Even our regular handheld sound level meter has function to evaluate sound.



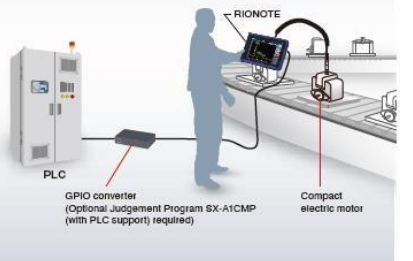
- Comparator function
Turns on when open collector output exceeds the preset value
- Octave, 1/3 Octave band filter output function
Able to select frequency band output with optional program

Pass/Fail Evaluation solutions using frequency analysis function

System example of Pass/Fail Evaluation Program



Four channel evaluation screen



Popular Products



Software Analisa dan Visualisasi Proses Time Prism

adalah software yang sangat efektif dalam aktifitas kaizen, yang memiliki fungsi untuk analisa proses, visualisasi dan export data (excel, ppt, grafik, video & work standard operational procedure).

Effective Improvement Time Prism



2-Screen Playback for Comparison

- Visualize
- Easy to find difference
- Good for Inter-generated skill transfer

After removing waste from the process, a comparative playback of tasks before and after improvement can be made.
1 unit 1 80 sec $\Rightarrow$ 1 60 sec (12% improved)



Work Organization Chart

- Reference video while leveling work using drag and drop function

Achieving Kaizen by leveling work.



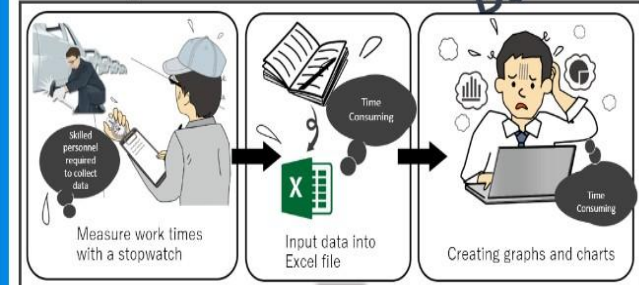
Man Machine Chart Standardized Work Combination Table

- Charts can be displayed on the screen and manipulated by dragging and dropping.

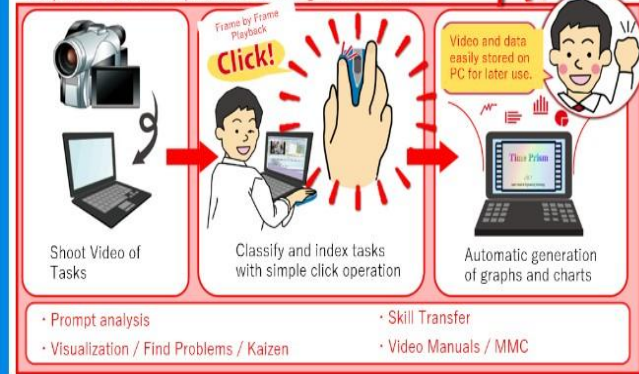
Standardized Work Combination Table can easily be created from the work analysis data.

Powerful Support Tool Time Prism Work Analysis Software

Traditional Approach



Steps to Process Improvement using Time Prism



Popular Products



Intelligent AGV AGV System (Automatic Guide Vehicle)

Kami menyediakan otomatisasi untuk logistik dengan mengintegrasikan produk DF AMR dan sistem yang dibuat khusus untuk proses industri yang ada.

SIL2
Safety Integrated Level
SIL2 LOAD

i4.0
Industry 4.0 enable

I/O
Integration Friendly

Robust Industrial Design

Adjustable Height
Max: 2162mm
Min: 2012mm

SMART PALLET DETECTION

Stereo Camera

Physical bumper for obstacle detection

IR sensor for pallet misalignment detection

95mm

AMR BASE SIZE

1956mm

1200mm

178mm

780mm

AUTOMATIC CHARGING

AMR BASE SIZE

H: 330mm

W: 960mm

L: 1360mm

i4.0
Industry 4.0 enable

1.5 tonne payload

High Safety rated

4.3+
Gradeability

Robust Industrial Design

Maximum speed
2m/s (7.2km/h)

INTEGRATION OPTION

1.2 COUNTERBALANCED
TONNE STACKER AMR
ZAMMA-S-TS-C12

Lift up to 1.2 Tonne

Lifting height reaching 3.0 m

Support minimum aisle width of 4.0 m

Support both open and close pallet type

1.6 STACKER
TONNE AMR
ZAMMA-S-TS-L16

Lift up to 1.6 Tonne

Lifting height reaching 2.4 m

Support minimum aisle width of 3.0 m

Support open pallet type

2.0 STACKER
TONNE AMR
ZAMMA-S-TS-L20

Lift up to 2.0 Tonne

Lifting height reaching 2.7 m

Support minimum aisle width of 3.0 m

Support open pallet type

Popular Products



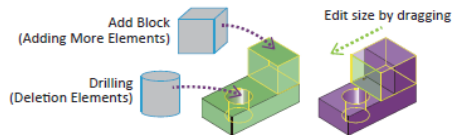
Software Design dan Analisis

IronCAD

Cepat dan praktis untuk mendesain jig dan kebutuhan produksi lainnya.

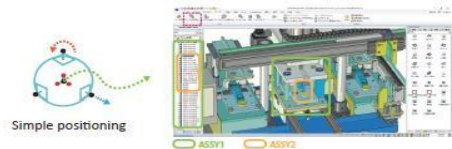
1 DIRECT MODELING

Modeling a three-dimensional shape by drag and drop. Sketching is unnecessary if it is a device or jig that can be formed by combining simple shapes. The work progresses very quickly.



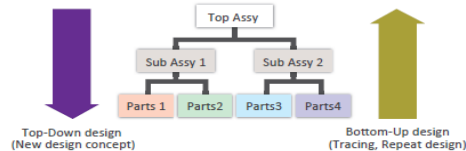
NO CONSTRAINT IS REQUIRED FOR ASSEMBLY WORK.

Placement by using TriBall which is an original tool. Assembly grouping with one button after placement. Since only the necessary part is constrained, trouble caused by constraint error is nothing.



3 EASY TOP-DOWN DESIGN

Since there is no distinction between parts/assembly file extensions, assembly concept can be created with one file. When disassembling, separate files for each part. You can create a 3D scheme with the same thought flow as 2D.



4 LARGE-SCALE ASSEMBLY IS LIGHT.

Performance is good even for large-scale data with hundreds of thousands or more parts. Quick responses in editing. Both large-scale assembly and surface modeling are compatible.



DATA COMPATIBILITY IS EXCELLENT.

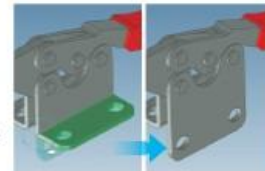


It is the only one in the industry that has two kernels, ACIS and Parasolid. Even when switching kernels or mixing, data conversion errors are decreasing.

5

6 INTERMEDIATE FILES CAN BE EDITED.

Corresponds to both historical and non-historical modeling. Data without history can be edited freely.



DWG COMPATIBLE 2D CAD IS INCLUDED.

Easy to create projection drawing by automatic linkage between 3D and 2D. Can be used as independent 2D CAD. Can be used DWG file you already have.



7

companies can

Business Partner



Orange Book

Sebagai distributor resmi Produk Orange Book / Trusco di Indonesia, kami berkomitmen untuk menyediakan produk berkualitas tinggi dengan harga terbaik. Anda dapat menemukan berbagai jenis produk, seperti :

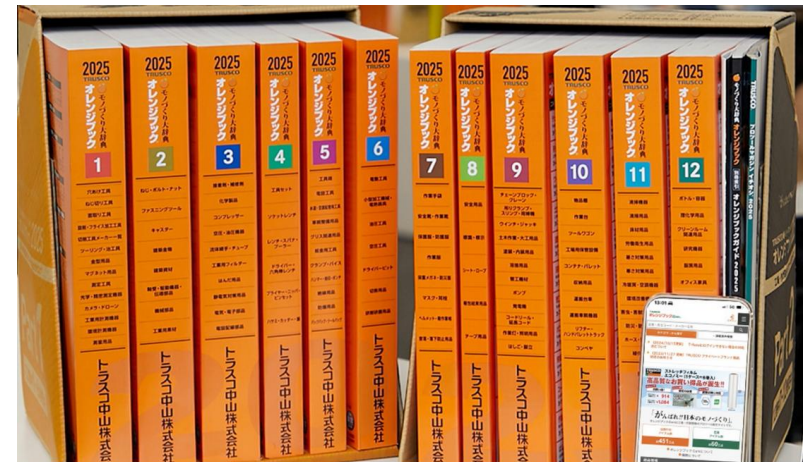
- Alat-alat kerja
- Peralatan keselamatan
- Peralatan listrik
- Peralatan pneumatik
- Alat-alat ukur
- Dan lain-lain



440,000 item listed

66,000 items stock in Indonesia (Cikarang)

❖ June - 2023



Business Partner



Sebagai partner dari Hyundai Boteco, kami bisa mensupport kebutuhan anda untuk sparepart mesin Injection Plastik-Rubber seperti :

- Screw - Autoclamp - Heater cover / Insulation Cover
- Barrel - Nozzle - Dan lain-lain



Aerogel Heater cover / Insulation Cover



What is Aerogel ?

Aerogel is the lightest solid material in the world, and aerogel is the newest insulation material that has lowest thermal conductivity.

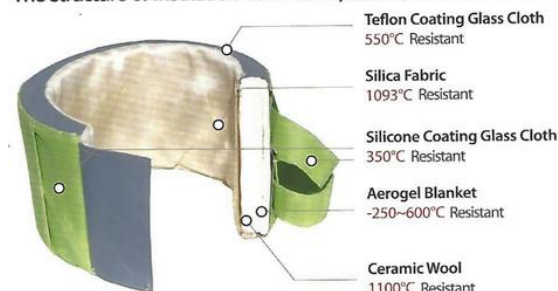
Product features:

- Non-toxic and harmless
- Not burning
- Odorless
- Insoluble in water (By isolating the water, sustainable play thermal properties)
- Low thermal conductivity, with super insulating characteristics



Realization of energy saving

射出機/押出機のヒータ 断熱カバーの構造 /
The structure of Insulation Cover on injection / extruder heater



▲ Insulation Cover & Cross Section

The surface temperature



Before the insulation 210°C

80% reduction in surface temperature



After the insulation 45°C

Business Partner



Teknologi Pengukuran untuk Udara Terkompresi dan Gas

Temukan bersama kami untuk semua teknologi pengukuran ; laju aliran, aliran volume, aliran massa, konsumsi, titik embun, kelembaban, suhu, kandungan oli, partikel, kebocoran, kinerja, dan banyak lagi.



FLOW METER (COMPRESSED AIR & GAS)



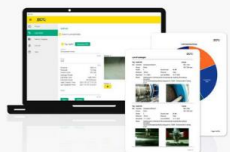
FLOW METER (LIQUID & VAPOR)



DEW POINT MEASUREMENT



DISPLAYS / DATA LOGGER / IOT



APPLICATION / MONITORING SOFTWARE



COMPRESSED AIR QUALITY



LEAK DETECTION



ADDITIONAL SENSORS & ACCESSORIES

SUTO products play a vital role in compressed air and gas applications of leading companies worldwide.

SAMSUNG

NIPPON GASES

Atlas Copco

TRUMPF

Unilever

Coca-Cola

intel

VW

BOSCH

H

BYD

Business Partner



Peralatan Penanganan Material: Fokus pada forklift listrik

iMOW menyediakan produk penanganan material yang paling hemat biaya yang bisa Anda dapatkan, bersama dengan kualitas tinggi, waktu tunggu lebih sedikit, dan layanan purna jual yang responsif.



Beragam produk hemat biaya, mulai dari truk palet entry-level, stacker ekonomis, hingga forklift elektrik. Di iMOW, Anda dapat memilih model baterai AGM untuk jam kerja panjang atau model baterai Li-ion dengan pengisian daya opsional untuk meningkatkan produktivitas. Produk iMOW dapat memenuhi kebutuhan dan aplikasi penanganan material Anda dengan harga yang sangat menarik.

PRODUCT FEATURES

■ Lithium-ion technology

ICE251 adapts LFP Li-ion battery that prevents the battery from self-ignition and ensures safety operation. It supports opportunity charging so it can be charged at preferable time during the day without disrupting working schedules.



■ Low TCO

Comparing to a diesel forklift truck, ICE251 saves 30%-50% of energy cost with Li-ion technology. And there is no maintenance fee with no air filter, oil filter, engine oil or starter battery installed on the truck.



■ Compact size

The overall length of ICE251 is 3573 mm that is 5% more compacted in size than a regular IC forklift to be used in narrow aisle.



■ IPX4 rated water-protected design

The ICE251 is IPX4 rated and that protects the trucks from splash of water from different angles. The waterproofed design allows the trucks to be operated outdoors, even in the rain.



■ Telematics

ICE251 offers EP's latest Telematics. It provides the following features to facilitate your fleet management:

- Truck location in real-time
- Reports of truck usages and diagnosis
- Li-ion battery condition analytics
- Updates on card access registration



Business Partner

Lampu LED Pembentuk Pola 「HOLOLIGHT」 Mengejar Cara Aman, Unik, dan Baru dalam Menggunakan Cahaya

HOLOLIGHT adalah lampu LED yang menghasilkan sinar paralel dengan direktivitas setinggi sinar matahari. HOLOLIGHT memiliki masa pakai lebih lama, konsumsi daya rendah, dan tingkat keamanan tinggi karena menggunakan LED sebagai sumber cahaya.

Product Line Up



01

High Directivity and Visibility

The spread angle of HOLOLIGHT is one degree, and a narrow area of 1 square meter at a distance of 50 meters can be illuminated precisely. This is an innovative technology that brings the right amount of light to the right spot.



02

Flexible Lighting Patterns

HOLOLIGHT is the only product that utilizes highly bright LED and unique optical elements to form a variety of lighting patterns. The patent for this technology has been registered in Japan, the United States of America, China, and Europe. Flexible lighting patterns are used in various fields: inspection, stage lighting, architectural decoration, roads, safety, tourist sites, art, education, experiments, etc.



03

Small · Light-weight · Cubic LED Light

We could make the size a lot smaller because HOLOLIGHT does not emit much heat. Also, the mounting angle is controllable, so it is easy to set up.



04

Long-Life · Low Power Consumption

Since HOLOLIGHT uses LED, the life span is 200 times longer and the power consumption is 1/5 compared to an ordinary halogen spotlight. So, you can significantly reduce the maintenance expenses.



THANK YOU

