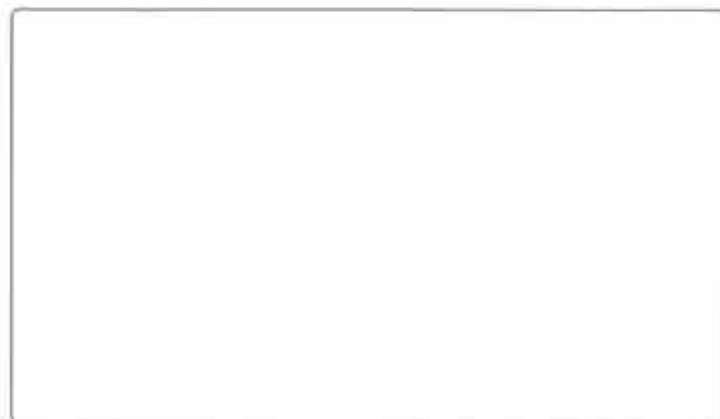


Connection of Reliance

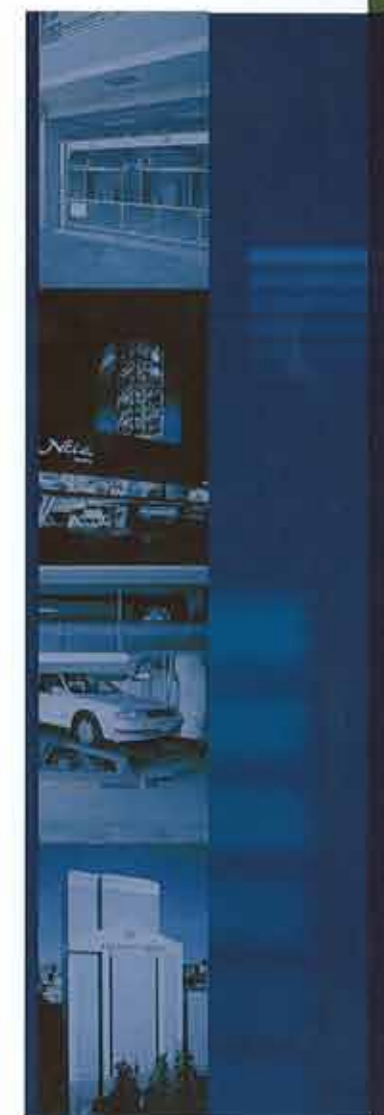
IHI

IHI Transport Machinery Co., Ltd.



IHI PARKING SYSTEMS
General Catalogue

IHI



Parking systems building cities For a comfortable next-generation city.

Cities with traffic jams and parked cars filling the roads.

Cars are indispensable to our everyday lives, however with such convenience comes many problems.

Cars flood every open space in cities, especially where business areas are concentrated, and something must be done about this trend in society.

Cars should be convenient, not inflict pressure on people's lives.

With that belief, we at IUK (Ishikawajima Transport Machinery Co., Ltd) have always sought the way for coexistence of cars and people.

Since supplying Japan's first ever TP in 1962, we have maintained a top share in Japan, the country which has experienced the greatest development of mechanical parking areas.

We have been developing a variety of products in line with the changes of cities.

And parking lots have matured with the times.

—Bringing you all that a car can be for you.

IHI PARKING SYSTEMS





SYSTEM-1 p.06

A quiet parking space that can be introduced even in closely zoned areas



SYSTEM-2 p.07

These systems maximize land efficiency by accommodating a large number of vehicles even on a small piece of land.

Free parking lots of hotels

Parking lots of apartment buildings

Free parking lots of department stores and supermarkets

For homes

Free parking lots of banks

General pay parking lots

For leased office buildings



SYSTEM-3 p.08

Also cost efficient because installation is easy.

Cities, people, and cars Parking systems in active use

Parking systems are active in places all over the city.

There are many kinds of parking lots—some introduced in business areas to increase customer drawing power, entire buildings turned into parking lots, and small-lot pay parking lots.

A parking lot system is a solution for using space effectively.

SYSTEMS

our partner

or advice if you have the following issues.

arking lots and too many cars

to increase parking capacity

arked cars are causing traffic jams

to meet standards for the number of cars that can be legally parked

mentation

on the Parking System

on of IHI's company policy, experience, organization, consulting service, after-sales service, etc.

ning

Examination of locational conditions(Confirmation of standards), calculation of capacity, preparation of operational policy, and planning of commercial profit in consideration of applicable laws and regulations on the site

● Selection and Determination of System Type

Assessment of cost-efficiency and approach for administrative guidance

4 ● System Type and Preparation of Layout

Preparation of traffic line plan, layout, and drawings, and determination of specifications

5 ● Cost Estimation

Determination of estimated price based on work specifications and construction schedule

Conclusion of Agreement ● 6

Design Work ● 7

Manufacturing and Assembly ● 8

Manufactured at a factory specializing in parking systems

Installation ● 9

Explanation regarding operation ● 10

SYSTEM 1

A quiet parking space that can be introduced even in closely zoned areas.

Features

Systems that are excellent in terms of appearance, low noise levels and energy efficiency. And they are well-suited to locations with traffic at night.

Systems in use

Shopping centers
Apartment buildings
Business hotels
Hospitals

There are many variations available to combine vehicle type, installation method and drive-in method.



Our Factory's Motto

To achieve integrity in system implementation right from initial consultation to commencement of production.

We, IUK, shall attend to our customers with the utmost care right from their first inquiry through timely delivery, focusing on quality at every stage of project implementation. In particular, we have



SYSTEM 2

Maximizing land efficiency to accommodate the largest number of vehicles in the smallest amount of space

Features

A concept of "Maximum capacity space in the smallest space."

Developing in a wide range of variations by the idea of using small spaces in 3-D.

Even among the products of IUK, which hold the top share in Japan, These systems have gained people's trust due to their infrequent breakdowns.

Systems in use

Department stores
Multi-purpose halls
Restaurants
City halls
Amusement parks

There are many variations available to combine vehicle type, installation method and drive-in method.



Safety and Energy Saving

We are very aware that the safety of our customers and their vehicles is in our hand and therefore pay religious attention to safety.

Moreover, we are conscious about energy conservation, which is becoming one of the primary concerns in present times. IUK pledges to provide safe and environment-friendly products.

Safety

- ① Parked vehicles may move due to natural disasters such as earthquakes or because the driver has left his car without applying the parking brake. Our parking system is designed to detect the dislocation of vehicles and to immobilize them in the event of such emergencies.
- ② The improper loading of vehicles might result in minor collisions between the vehicle and the machinery. Our parking systems provide crisis management and are equipped with sensors that detect and control incoming vehicles in order to prevent large vehicles from colliding with the machinery.

Energy Saving

One of the important features of IUK's parking systems is the conservation of electricity. Moreover, vehicles consume less fuel in IUK's parking facilities than in drive-in car parks. Further, vibration and noise are controlled in an excellent manner. We pledge to provide environment-friendly products.

SYSTEM 3

There are many cost benefits due to the easy installation.

Features

Systems that can be easily deployed on small pieces of land. While enjoying the ease of use of flat parking lots, capacity efficiency is increased by adopting a step system.

Systems in use

Condominiums
Company offices
Tenants, etc.

Various kinds of safety measures are implemented, Such as fall prevention equipment, emergency stop buttons and more.



IUK products in use

Case one

“Utilizing the location in front of a train station”

The city of Nagoya in Aichi Prefecture is one of the three largest cities in Japan. This large parking facility is in front of Nagoya Station. With its exterior wall painted dark green and dark blue, its magnificence and radiance are prominent among the surrounding car parking lots. Further, its high usage rate is maintained as it can accommodate large vehicles.

M Rail-affiliated Company's Comments

Parking management constitutes one of many business operations of our rail-affiliated company. The land on which we use the IUK products today used to be a 15-year-old parking lot with a capacity for parking 100 cars. However, the machinery in use was worn out and its system of loading and unloading cars was time consuming. Therefore, the prime location was not adequately utilized.

One of the characteristics of the car parking lots in front of the station is that there is a great demand for parking large vehicles on holidays. When refurbishing the car park, we believed that in order to meet our customers' needs, we should accommodate large vehicles. Since such types of vehicles use more space than the ordinary cars, we repeatedly discussed various topics on layout, even including whether we should charge a higher parking fee per one slot.

We chose IUK because they considered the above mentioned points; further, we had faith in their technology. Besides, they also responded to minor requests, keeping in mind the ease of usability for the customers; for example, they invented a system that would help to prevent the loss of parking tickets.

IUK's approach is close to our own corporate philosophy toward beauty and safety, and it is living up to our expectation as a partner.

Case two

“Earthquake resistant and crucial for revitalizing a shopping area”

Kobe is a city on the cutting-edge of fashion. In 1995, the city was hit by a major earthquake. Today, a multistoried parking lot—that sprang from the debris—soars high in the city. It is the only large parking lot that is located in the corner of a massive shopping street. It generates a synergistic effect, keeping in tune with the shopping street's promotional activities.

K Household Equipment Manufacturer's Comments

Initially, some of us believed that the location of the parking lot was not good and hence, no one would use it. However, we also believed that a rental parking lot would be necessary in an area with a shopping street and several markets. Planning was underway and construction work was about to begin, when the earthquake hit Kobe. Our company sells and installs household equipments. We constructed this multistoried parking lot three years after the earthquake, as we wanted to contribute to the rebuilding of Kobe. Since there were no municipal parking lots in this commercial zone, people in this area had to go to the market every day as they could not stock up fresh food. They had to walk all the way from the hills and the seaside to come to this shopping area. Thus, although it was an important commercial zone, customers would not come if there was no car parking lot. Therefore, we believed that opening a parking lot in this area would be a great success.

However, since this took place immediately after the earthquake, our wish to build a parking lot stemmed more from our desire to help rebuild the city than from necessity.

After the opening of the car parking lot, we realized that we were wrong on a certain point. I had expected that the ratio of monthly lease would be greater than an hourly lease. However, it occurred the other way round; there was considerably more demand for by-the-hour parking than for the monthly lease. This success was brought about by the people of the markets and the shopping street. Shopkeepers put up signs saying, “shopping street with a parking lot” and distributed free parking vouchers to customers who bought a certain value of goods. Today, the parking lot and the shopping street support each other.

The earthquake was the true test of the safety of IUK products. We discussed with various manufacturers and chose IUK after confirming that no IUK products had collapsed even during the major earthquake.

We hope that they will have more cases like ours throughout the world by building up on this reliability.



IUK products in use

Case three

“Fierce competition among the department stores!
Staying on top with a parking lot strategy”

Utsunomiya City, Tochigi Prefecture’s capital, is well-known for the fierce competition existing among its department stores. Cars come not only from its suburbs but also from all the areas of the Prefecture. In recent years, out-of-town shopping centers with large car parking lots have been increasingly gaining more customers; therefore, some department stores have adopted strategies that would enable them to remain in this game. Here is an example of a department store that stays ahead in the competition by using its car parking lot with a capacity for parking several thousand vehicles.

T Department Store’s Comments

There has been an increase in the number of customers visiting the department stores on the weekends. On some days, the parking lot becomes fully occupied only 15 minutes after the store opens. We offer both self car parking as well as automatic tower-style car parking. Staff members guide drivers to either of the two, depending on the size of the car and vacancy at the time. Despite this, the place remains fully occupied; therefore, we rent private car parking lots nearby and let customers use them for free. This indicates our firm belief that parking space availability determines how many customers we would attract.

When the department store first opened about 50 years ago, it was the only one of its kind in the city. Since then, department stores opened in rapid succession; at present, there are five stores vying for preeminence in the city center. However, we have retained our top position; this is not only because of our large floor space but also because of our car parking lot. Our great advantage is that we have a parking lot with the capacity for parking 1,100 vehicles even when there is a chronic lack of parking space in the city center.

It all began with an incident that occurred 15 years ago. On our special sales day for our members, our customers’ cars filled the city, creating traffic jams stretching for two kilometers on the main roads. This led us to reconsider our parking strategy. We valued the efficiency of continual loading, which is a characteristic of the product we chose. However, most importantly, we put our faith in the past performance of IUK. Besides, we were also satisfied with their service, for example, they had invented a system that would minimize the chances of cars scratched.

Case four

“A new popular venue in the greatest cultural area
of the Prefecture”

A multi-tenant building soars near Okayama Korakuen, one of the three most famous parks in Japan. This building uses an IUK parking lot system. Surrounded by the Okayama Prefectural Museum of Art, a culture center, and other museums, it is located in the middle of the cultural area of the city of Okayama. This is a successful case where both a multi-tenant building and a car parking lot operate, while maintaining the beautiful scenery of the surrounding area.

O Construction’s Comments

We came across IUK accidentally. Our company had bought an old tenant building about 10 years ago, which was equipped with an IUK parking system. After observing its working condition and performance, we decided to install one in the parking lot that we were planning to construct on a recently acquired land.

Before that, we had never managed a car park. Our priority remained to make the customer happy. This is evident as we chose a spacious car parking turntable that was popular as its space allowed easy loading and unloading of cars. Some companies noticed the extra space and asked us if they could install vending machines there. However, we could not sell the space that was making our customers very happy. Furthermore, we not only cared for our customers but also gave consideration to the ambience surrounding the cultural area; hence, we did not add any unnecessary adornments or signs on the entire building. Further, the presence of several major banks adjacent to the parking lot has made the asset value of the building extremely high. Initially, we planned to an apartment building. However, valuing our relationship with the area, we decided to construct a tenant building with a parking lot.

We have acquired the adjacent land, thereby, increasing the area to 580 m², and have installed five tower-style parking systems. Nothing like this exists in the neighborhood that has been reported by the local TV station, radio, and newspapers. Thus, in addition to the electronic signboards that we installed, the advertising effects were excellent.

Thus, although our relationship with IUK was established accidentally, this relationship plays a significant role in helping us to manage a car parking lot as their reliable products can be installed without a second thought.

People Create Communities

IUK's parking systems are available worldwide.

-
- 1962**
 - IHI delivered the first unit of Tower Parking System in Japan. (Takashimaya Department Store, Nihonbashi)
 - 1969**
 - Completion of IHI's 200th TP
 - The biggest underground shopping arcade was built at Yaesu, Tokyo station, and included an underground parking area.
 - 1971**
 - Completion of IHI's 300th TP (First parking construction boom)
 - Completion of IHI's 400th TP
 - The multistoried parking area became one of the city's landmarks (Daini Mori Bldg.).
 - 1973**
 - Completion of IHI's 600th TP
 - TP enjoyed immense popularity in the Brazil-Japan Industrial Trade Fair. Delivered large-sized TP to Sogo Chiba, etc.
 - 1975**
 - Completion of IHI's 900th TP
 - Constructed the very first TP, using an artificial foundation at TOBU Department Store, Ikebukuro
 - 1978**
 - Completion of IHI's 1200th TP
 - 1981**
 - Completion of IHI's 1500th TP
 - Completion of the very first high-roof-type parking system (Suwasakaemachi, Yokkaichi-shi)
 - 1991**
 - Launched the sale of EP, named IHI "Elevator Parking"
 - 1992**
 - Completion of IHI's 5000th TP/EP
 - Held the 1st Japan Parking System Exhibition & Conference
 - 1999**
 - Completion of IHI's 6000th TP/EP
 - Constructed the world's highest parking area in a skyscraper apartment house (Okawabata River City 21, Tokyo)
 - 2003**
 - Launched the sale of barrier-free EP
 - 2005**
 - Devolvement of parking business sales right from IHI to IUK
 - 2006**
 - Launched the sale of hydraulic multistoried parking systems
 - Launched the sale of a palletless elevator parking system, "Fork Parking"