THE

WORLD'S

CURRENCY HANDLING SOLUTION

Security. Technology. Solutions.

日本金銭機械株式会社

JCM

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ABOUT JCM

Who is JCM?

Japan Cash Machine (JCM) is one of the largest bill acceptor suppliers worldwide.

It was founded in 1955 in Osaka, Japan. JCM is manufacturer and distributor of cash handling equipment (cash registers, POS systems, bill checkers, bill acceptors, safes and ticket vending machines), and introduced bill acceptors to the gaming industry in 1985.

Our WBA® is widely recognized as an industry standard. JCM's headquarter is based in Osaka, Japan.

International subsidiaries are located in Düsseldorf (Germany), Milton Keynes (United Kingdom), Hongkong (China) and Las Vegas (USA).

JCM is proud of having more than 90% of market share in the gaming and casino industry and more than 50% share in the amusement market.

We are extending market share in the sector of industrial applications such as parking, retail, cash dispensers, banking, vending machines etc. In this way, we are ensuring the steady growth of Japan Cash Machine.

We consider it our mission to continue to supply rationalizing and labour-saving machinery for the distribution and financial industries based on reasonable prices and high reliability.

Meeting client needs and closely following market trends, we are committed to actively contributing to the development of economy by providing top quality products at competitive prices through market-oriented business and manufacture with high priority to quality.

Who is JCM Germany?

Japan Cash Machine Germany GmbH was established in 1999 as an subsidiary of Japan Cash Machine Co., Ltd. We are responsible for the distribution and customer support for JCM products in Europe, Africa and the Middle and Near East.

Furthermore, we are laying out the frameworks for development, quality control and production in order to strengthen our customer support. The expansion of the European wide net of JCM Service Centres (see page 16) is just one example.

In this way, we are able to respond to our customer's demand in an easy and efficient way. The experienced team of JCM Germany will realize the best cash handling solution for you.

QUALITY AND ENVIRONMENTAL POLICY

DIN EN ISO 9001 DIN EN ISO 14001

"The top management obligates itself to continuous development of our quality and environmental management system. For that, it will provide the required recourses."

The competitive factor 'quality' has a substantial influence on the economical success of our company. Quality means that our products and service completely meet the expectations of the customer. Quality starts with the product idea and ends up with product disposal.

The following aspects require unlimited engagement, professional competence and personal responsibility of all employees.

1. Customer satisfaction

The customer is the focus of all our activities. That means we have to deliver our products in the agreed quantity, within the agreed delivery time, to the agreed place, with the agreed quality and at a reasonable price. It goes without saying that we also have to guarantee a good service for the customer.

2. Competitiveness

With the continuous improvement of organizational and internal matters, technical aspects and of the product development process we can increase the quality and reduce the environmental burden of our activities and products. At the same time we can reduce our costs and protect and improve our market position.

3. Quality consciousness

We inform and teach our employees regularly and encourage environmental friendly behaviour. Each employee knows the guidelines to fulfil all quality aspects within his field of work. Everyone is responsible for the quality of his work and is aware that his work forms an important part to reach the global company targets.

4. Environmental responsibility

Our aim is the reduction, or rather the avoidance of environmental impacts at our location, during storage and transport of our products as well as during final disposal. It goes without saying that we meet all valid legal obligations concerning environmental aspects.

KAZUHITO KAWASE
President

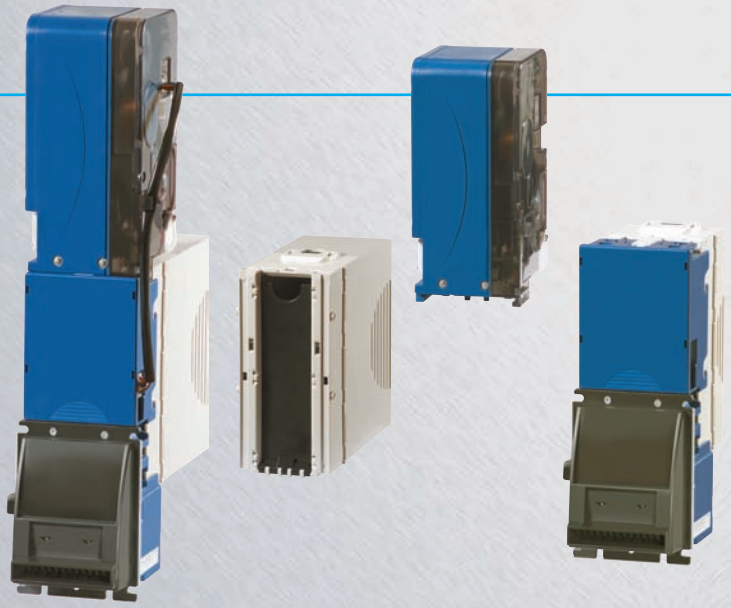
BEPI MOTTES
Vice-President

JCM

JCM Group – Security. Technology. Solutions.

NEW PRODUCTS

DBV-300 Series with RC-10 unit



A complete cash management system

- Bill Validation & Recycling
- Standardized faceplate for vending machines
- Handheld Support for accounting overviews, updates, statistics and more

TAIKO

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Big Power in a small acceptor

- Innovative Drum Technology™ for anti-fishing security
- Auto-retry function
- rainbow faceplate

VISIONS FOR NEW PRODUCTS

JCM never means standstill. Future begins every day. Having this motto in mind, the JCM Group have been ameliorating and complementing its product range during the last two years.

The products presented in this catalogue will point the way to the future for the whole market of currency handling machines.
A milestone for the whole JCM team is the establishment of our JCM Development Centre Bulgaria. The first subsidiary of JCM Germany will shorten the development time for new currency software dramatically. This enables JCM to offer the shortest lead time for new bill acceptor software and improves our customer satisfaction even more.

JCM's role as a pioneer is proven again; not only by the exclusive equipment of the Wynn Resort in Las Vegas with our UBA-series. The biggest names in gaming industry chose JCM as their preferred supplier for cash handling solutions.

The development of TAIKO (see page 6), with its innovative and exclusive Drum Technology™, is just one example of our dedication to future trends.

Beyond that, JCM is increasing its engagement on the vending market, where the DBV-series is being established in an excellent way. In combination with our banknote recycler, the DBV is a perfect 'cash in cash out' solution.

We also observed an increased demand for bill checkers for Euro and other national currencies. That's why JCM Germany developed the Mercury®-Series, a product line especially designed for secure and fast Eurobanknote checking.

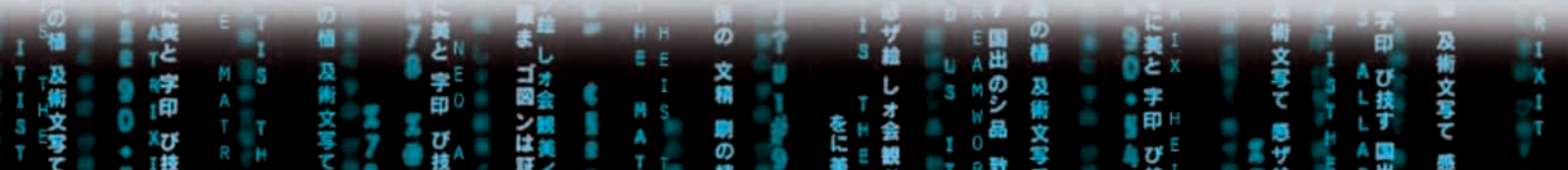
We are able to offer an optimized value-for-money ratio in the field of bill checkers.

JCM is incessantly researching the markets in order to discover new trends. That's how we are able to develop new products in time and offer up-to-date cash handling solutions. Whenever there is a new customer request the whole JCM team works on the realization of the best cash handling solution for our customer.

All these and future developments are being realized to establish JCM at the top of the markets. High quality standards, which contain ISO 9001 and strict internal controls, are our personal standard to reach this aim (see page 3).

That is why we are glad that our new products are developed under working and environmental conditions which correspond to the environmental standard ISO 14001.

With the future in mind we are working every second on your currency handling solutions.



BILL ACCEPTORS

NEW PRODUCTS

DBV-300 SERIES

TAIKO

Model	DBV-300 SERIES	TAIKO
Insertion Lengthwise	width range 62–72mm length range 120–160mm	width range 62–82mm length range 120–160mm
Acceptance rate	95% or higher	98% or higher
Processing speed	Approx. 2 sec	Approx. 2.8 sec
Cashbox	back access	–
Cashbox capacity	200, 300 or 1000	–
Escrow	1 Banknote	1 Banknote
Protocol	MDB, Serial, Pulse	MDB, Serial, Pulse, cctalk
Anti-fishing mechanism	Lever and optical sensor combination	Drum winding, lever and optical sensor combination,
Validation method	Optical (transparency, reflection) and magnetic	Transparency and reflection with red, blue, IR, NIR sensors
Barcode reading	Yes (option)	–
Status LEDs	3 Display LEDs	–
Dimension (in mm)	200 cashbox: 106.6(w) x 155(d) x 245.6(h) 300 cashbox: 106.6(w) x 168.5(d) x 249.6(h) 1000 cashbox: 106.6(w) x 291.5(d) x 249.6(h)	100(w) x 98(d) x 88(h) incl. Faceplate: 124(w) x 145.2(d) x 88 (h)
Weight	Approx. 1.2 kg	Approx. 0.6 kg
Installation	Stacker Up (SU) or Stacker Down (SD) Indoor and Outdoor	Indoor horizontal
Environment	Operating temperature: –15°C ~ +60°C Storage temperature: –20°C ~ +60°C Humidity: 15 ~ 95% RH (no condensation)	Operating temperature: 5°C ~ +50°C Storage temperature: –20°C ~ +60°C
Power specifications	DC 24V (±5%) DC 12V (optional) Standby: 0.2A 0.3A Operating: 0.4A 0.6A	DC +12V (±5%) Standby: 100mA Operating: 500mA
Optional	Handheld support for software updates, test and accounting functions	Handheld support for software updates
Maintenance	Easy access through modular design	Easy access for maintenance
Approvals	CE/UL/CSA	CE
RC-10 Recycling unit	Dimension (W x D x H in mm): 104.5 x 155 x 426.0 Weight: Approx. 2.1 kg Recycling Capacity: max. 11 banknotes Denominations: 1 Processing Speed: Approx. 4 sec	

JCM SALES PHILOSOPHY

The sales team at Japan Cash Machine Germany is an international team of experienced professionals in cash handling solutions. Our objective is to recommend the best cash handling solution for your application. We know every feature of our products and are able to respond to your demands in an easy and efficient way.

If you need currency handling equipment for the amusement, gaming, parking, financial, retail or vending industry – we will work closely together with you and with our development and support team in order to implement the best cash handling solution.

We are working incessantly to arrange all details of your requirements – from the first contact about the capabilities of our product until the shipment and thereafter through the support of our sales customer service. This is how you get the cash handling solution which best fits your requirements.

To get more information about applications of JCM products simply contact us at:

sales@jcm-germany.com

Tel. +49 211 5306 4550

ACCEPTOR MARKETS

Acceptor	Gaming	Casino	Parking/Ticketing	Banking/Deposit	Retail	Vending	Kiosk	Money Changer
BNF-20				X	X		X	
DBV-300-SERIES	(X)		(X)			X	X	(X)
EB-200	X					X		X
EBA-03	X					X		
EBA-21	X					X	X	
EBA-21-PB	X		X	X		X	X	X
EBA-21-SD2	X		X	X		X	X	X
EBA-22	X					X	X	
EBA-22-PB2	X			X		X	X	X
EBA-32/34	X			X	X	X	X	X
EBA-32/34-SD3	X		X	X	X	X	X	X
SEB-404	X					X	X	X
Taiko	X					X	X	X
UBA-SERIES	X	X	X	X	X	(X)	X	X
WBA-22/23-SS	X	X	X	X	X	(X)	X	X
WBA-24/25-SS2	X	X	X	X	X	(X)	X	X
WBA-24/25-SS2	X	X	X	X	X	(X)	X	X
WBA-24/25-LD2			X	X	X	(X)	X	X
WBA-24/25-SH2	X	X	X	X	X	(X)	X	X

HIGHLIGHTS

THE NEXT GENERATION OF BILL VALIDATOR TECHNOLOGY

UBA SERIES

SEB-404

THE PERFECT SOLUTION IN A TIGHT SPOT

BNF-20

HIGH SPEED WBA WITH BUNDLE NOTE FEEDER

THE PERFECT SOLUTION FOR DEPOSIT

THE MERCURY® EUROCHECKER

A NIGHTMARE FOR COUNTERFEITS

MERCURY M-10

HIGH LIGHTS

Model		UBA-SERIES	UBA-SERIES with SS2 cash Box	BNF-SERIES	SEB-SERIES	MERCURY M-10
Banknote size in mm:	Width	62~85	62~82	65~82.5	65~78	5 € - 500 €
	Length	120~165	125~170	120~165	120~170	
mounting vertical:	Width				67~78	
	Length				120~170	
Acceptance rate		more than 98%	more than 98%	more than 90%	more than 90%	more than 90%
Validation speed in seconds		2 sec.	2 sec.	3 sec.	2 sec.	2 sec.
Barcode reading		yes	yes	yes	–	–
Escrow – one banknote		yes	yes	yes	yes	–
Interface:	Serial	yes	yes	yes	yes	–
	MDB	–	–	–	yes	–
	cctalk	–	–	–	–	–
	HII	–	–	–	–	–
	RS-232	yes	yes	option	–	–
	Pulse	–	–	–	yes	–
	Parallel	–	–	–	–	yes option
Lockable type cash box		yes	yes	yes	no	no
Removable type cash box		yes	yes	yes	no	no
Stacker capacity		500	500	2000	–	–
Power requirement		12V DC ±5%	12V DC ±5	12V DC ±5%	24V DC ±5%	12V DC ±5%
Standby/Operating		220mA/1.6A	220mA/1.6A	250mA/5.8A	100mA/320mA	330mA/600mA
Temperature:	Operation	5~50°C	5~50°C	10~40°C	5~50°C	0~40°C
	Storage	–20~60°C	–20~60°C	–20~60°C	–20~60°C	–20~70°C
Humidity (no condensation)		30~85%	30~85%	30~85%	30~85%	30~85%
Dimension approx. W x D x H in mm		104.4x298x225	104.4x298x225	117.4x429.7x475.8	124x185.2x33	130x173x107
Weight approx. in kg		4.0	4.0	10	0.46	1.5
Installation		Indoor only	Indoor only	Indoor only	Indoor only	Indoor
Approvals		CE/UL	CE/UL	CE/UL	CE	CE

BILL ACCEPTORS

The WBA-Series has a standard barcode reading function for an easy use of ticket-in-ticket-out systems. Fitting the needs of the market in an excellent way the WBA-Series has set worldwide industry standards.

WBA-SH2

World Bill Acceptor
as Stacker Horizontal.

WBA-SS/SS2

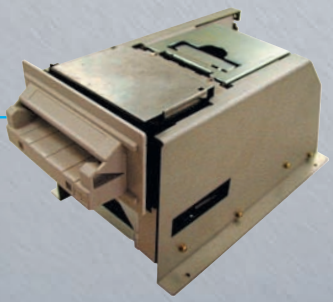
World Bill Acceptor
as Security Stacker.

WBA-SS3B

High Speed
World Bill Acceptor
with Back Access.

WBA-LD2

World Bill Acceptor
without Stacker.



WBA SERIES

Model		WBA-XX*-SS/SS2	WBA-XX*-SH2	WBA-XX*-SS3B (Back access)	WBA-XX*-LD2
Banknote size in mm:	Width	(62) 65~82	(62) 65~82	(62) 65~82	(62) 65~82
	Length	120~170	120~170	120~170	Various
Acceptance rate		no less than 95%	no less than 95%	no less than 95%	no less than 95%
Validation speed in seconds		approx. 2	approx. 2	approx. 2	approx. 2
Barcode reading		Yes	Yes	Yes	Yes
Escrow – one banknote		Yes	Yes	Yes	Yes
Interface:	Serial	Yes (Photo coupler isolated)	Yes (Photo coupler isolated)	Yes (Photo coupler isolated)	Yes (Photo coupler isolated)
	RS-232C	option	option	option	option
Barcode reading		Yes	Yes	Yes	Yes
Lockable type cash box		Yes	Yes	Yes	–
Removable type cash box		Yes	Yes	Yes (removable type cash box lockable in frame)	–
Intelligent cash box		option	–	–	–
Stacker capacity		500/1000 option	400/2000 option	1000	–
Power requirement		DC12V (± 5%)	DC12V (± 5%)	DC12V (± 5%)	DC12V (± 5%)
Standby/Operating		240mA/1.2A	240mA/1.2A	240mA/1.8A	240mA/1.2A
Temperature:	Operation	0~45° C	0~45° C	0~50° C	0~45° C
	Storage	–20~+60° C	–20~+60° C	–20~+60° C	–20~+60° C
Humidity (No condensation)		30~85%	30~85%	30~85%	30~85%
Dimension approx. W x D x H in mm		114 x 234.2 x 303.8	114 x 234.2 x 229.8	114x240x313.8	144x234.2x125
Weight approx. in kg		4.8	4.8	6.4	2.7
Installation		Indoor	Indoor	Indoor	Indoor
Approvals		CE/UL/CSA	CE/UL/CSA	CE/UL/CSA	CE/UL/CSA

* WBA-12/22/24 4 MB · Flash ROM WBA-13/23/25 4 MB · EPROM

BILL ACCEPTORS

EBA-21/22-PB/PB2

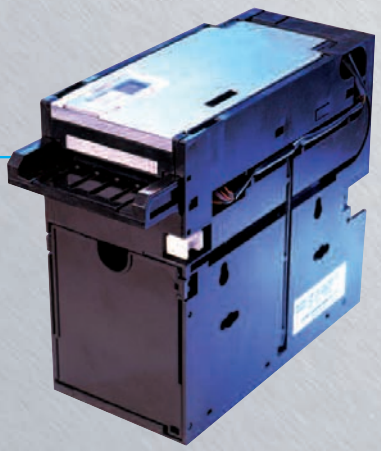
Multi currency acceptor with proven anti Pull Back (PB) security.

EBA-21-SD2

Multi currency bill acceptor with anti-fishing security, lockable Stacker and removable Cash Box.

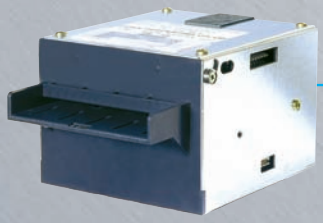
EB-200

Multy currency acceptor with integrated Stacker, easy installation and maintenance.



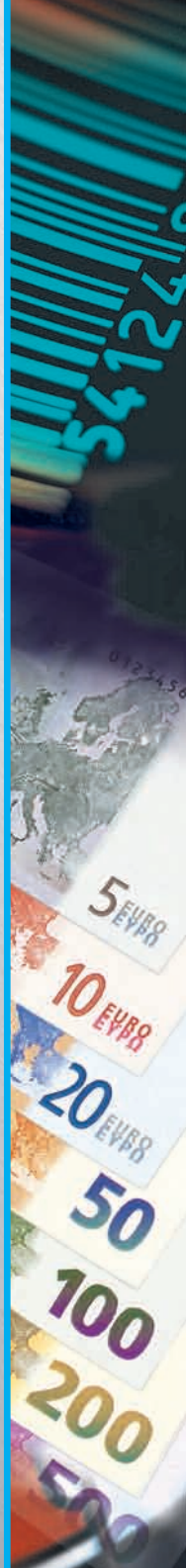
EBA-32/34 SERIES

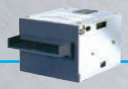
Multi currency acceptors with an automatic centering mechanism and manufactured with the same quality standards as all JCM's superior products.



EBA-03

Compact multi currency acceptor allows on easy installation in various machines.





Model		EBA-32/34 SERIES	EB-200	EBA-03	EBA-21-SD2	EBA-21/22-PB/PB2
Banknote size in mm:	**Width**	62~85	62~77	62~72	62~78	62~85, 62~78 (EBA-21)
	Length	120~160 (Head various)	118~160	various	125~170	various
Acceptance rate		no less than 95% (incl. auto-retry up to 2 times)	90% normal acceptance 95% high acceptance	no less than 90%	no less than 90%	no less than 90%
Validation speed in seconds		approx. 3 (excluding auto-retry)	approx. 2	approx. 2	approx. 6	approx. 3.5
Escrow – one banknote		Yes	Yes	Yes	Yes	Yes
Interface:	**Serial**	Yes	Yes	Yes	Yes	Yes
	MDB	Yes (EBA-34)	option	option	option	option
	cctalk	Yes (EBA-32)	–	–	–	Yes
	HII	Yes (EBA-32)	–	–	–	–
	RS-232C	option	option	option	option	option
	Pulse	–	Yes	Yes	Yes	Yes
	Parallel	–	–	–	Yes	Yes
Lockable type cash box		Semi security	No	–	Semi security	–
Removable type cash box		Yes	No	–	Yes	–
Stacker capacity		400 (SD3)	400	–	400/600 option	–
Power requirement		DC12V (± 5%)	DC12V (± 5%)	DC12V (± 5%)	DC12V (± 5%)	DC12V (± 5%)
Standby/Operating		280mA/2.5A	340mA/1.0A	210mA/500mA	420mA/680mA	250mA/500mA
Temperature:	Operation	5~50° C	5~50° C	5~50° C	0~40° C	0~40° C
	Storage	–20~+60° C	–20~+60° C	–20~+60° C	–20~+70° C	–20~+70° C
Humidity (no condensation)		30~85%	30~85%	30~85%	30~85%	30~85%
Dimension approx. W x D x H in mm		116x197x317 (Head 86)	93x223x180	94x128x70.5	106x214x359	108x208x88.5 116x208x88,5 (EBA-22)
Weight approx. in kg		2.5 (Head 1.0)	1.3	0.6	4.0	1.2
Installation		Indoor	Indoor	Indoor	Indoor	Indoor
Approvals		CE	CE	CE	CE	CE

YOU HAVE THE CHOICE – OPTIONAL PARTS

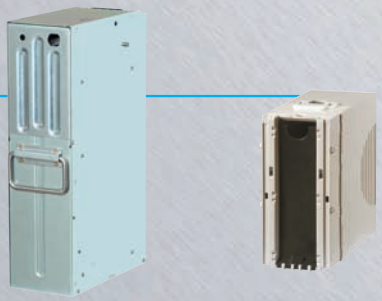
To individualize your faceplates any colour is available on request.

FACEPLATES

- Black colour: DBV, EBA-32/34, SEB, UBA, WBA
- Blue colour: UBA
- Other colours: on request
- Multicoloured LEDs: Taiko
- Outdoor: UBA, WBA
- Extra Flat 'Snack Mask': DBV

SPECIAL SIZE CASHBOX

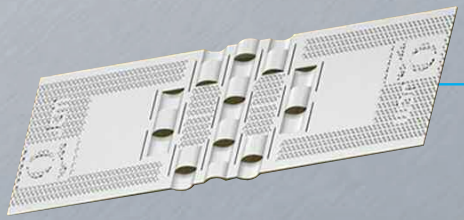
- 600 banknotes capacity: EBA-21-SD2
- 1000 banknotes capacity: DBV, UBA, WBA
- 2000 banknotes capacity: BNF-20, WBA-SH2
- Intelligent Cashbox (ICB®) capacity: UBA, WBA



The Intelligent Cashbox ICB® system links the cashbox to the online system and thus provides an accurate and flexible control over your cash.

LOCKS + KEYS

- For reliable security of DBV, EBA, UBA and WBA cashboxes
- Individualized locks are available on request



CLEANING CARDS

- Quick and proper cleaning for UBA and WBA

DISCOVER THE POWER OF TAIKO!

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INNOVATIVE AND EXCLUSIVE DRUM TECHNOLOGY™

JCM

JCM SERVICE CENTRES

In order to fulfil the needs for warranty and after sales service JCM is constantly establishing local "JCM Service Centres" in key cities in Europe and Africa.

The basic requirement of each JCM Service Centre is that it will offer immediate assistance to anybody requiring it, irrespective of where the original product was purchased. In this way we are able to offer technical support advised by JCM trained technicians; locally, in your language and in your time zone.

You will find that JCM Service Centres are equipped with the standard testing and calibration tools manufactured by JCM for that purpose. JCM Service Centres carry a recommended stock of spare parts for the products that are normally sold on that market. JCM Service Centres will also be able to supply you with the full range of JCM products at the best price.

Each official JCM Service Centre will be listed on our web page. New JCM Service Centres are in the cours of being established in: Portugal, Greece, France, Turkey, in the Russian far east and the Balkans.

COUNTRIES

BELGIUM	ITALY	SERBIA
BULGARIA	KAZAKHSTAN	SOUTH AFRICA
CROATIA	LATVIA	SPAIN
CZ REPUBLIC	LITHUANIA	SWEDEN
DENMARK	MALTA	SWITZERLAND
ESTONIA	NORWAY	UKRAINE
GREAT BRITAIN	POLAND	UNITED ARAB EMIRATES
HUNGARY	ROMANIA	
IRELAND	RUSSIA (3 cities)	

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CUSTOMER SUPPORT

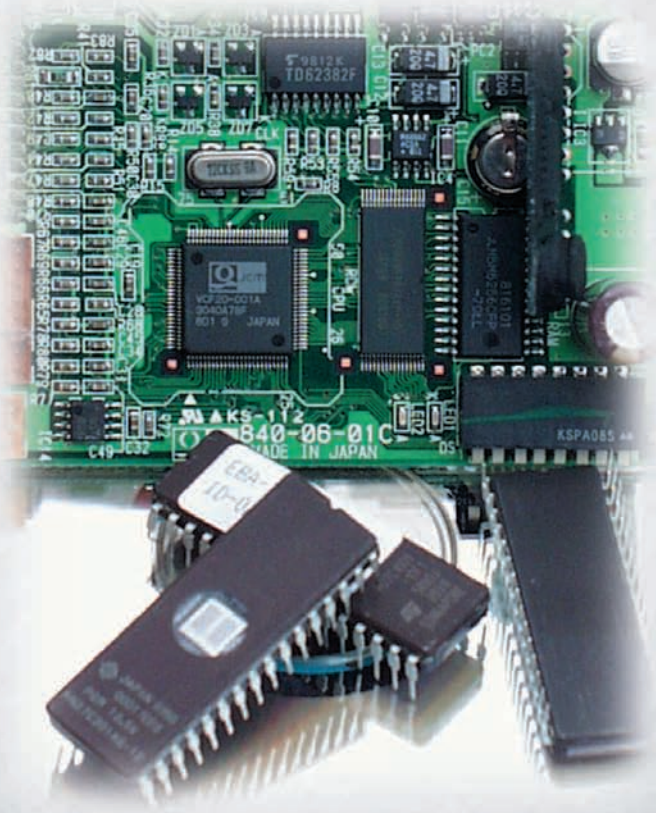
We at Japan Cash Machine Germany continually strive to exceed the highest quality of Support and Service for our products. Our experienced team of Support Engineers work closely with manufacturers, operators and technicians to ensure they obtain the maximum performance from JCM products.

We extend our commitment by providing:

- Training for Engineers and Field Service Engineers; Enhancing service skills and product knowledge of engineers result in higher product performance and reduced downtime.

- Dedicated and Local Service and Maintenance; Supported by JCM offices and from JCM appointed Service Centres provide high quality Service and Maintenance to gaming and commercial operators.

- Providing fast and uncomplicated customer support by telephone and e-mail; effective solutions for any question arising during the operation of our products.



Contact our Support Team and start the experience at:

support@jcm-germany.com

Phone: +49 211 5306 4560

JCM TRAINING – CREATING SECURITY

At JCM, we strive every day to provide the best products and services for our customers.

JCM organizes regular technical training classes for the users of our products. The instructors who conduct these seminars have solid field experience in electronics and casino operations. They are certified by JCM to train customers in all aspects of JCM products. The classes include instructions on proper techniques to perform preventive maintenance, repairs and diagnostic troubleshooting.

At JCM, we want to provide long term solutions. That's why we equip every training participant with the necessary tools to work with our products.

The different JCM products will be disassembled and reassembled with the help of JCM trainers. At the same time, the participants get to know the functions of the different parts and thus obtain useful background knowledge for their future work with JCM products.

JCM issues official training certificates and provides a wide range of information material for every successful training participant.

Our classes are designed to build knowledge and to enhance your abilities to maintain JCM products. The training creates a sense of confidence and security for the daily work with our products. This means a decrease in downtime and an increase in profits.

Our Customer Support is always ready to help you if you have any further technical inquiries.

JCM IN EUROPE – A STRONG PARTNER

The aim of JCM is to provide our product trainings locally, in your home country and in your mother tongue.

Together with the JCM Service Centres all throughout Europe we are developing an overall technical training programme.

Basis of this programme is the good experience during technical trainings at JCM Germany. Trainings follow a standardized programme that covers the whole range from general knowledge about

cash handling, information on the background of JCM and detailed explanations concerning JCM bill acceptors. With this standardized programme JCM Germany is able to provide training all over Europe. JCM Germany realizes thereby a high quality international training and knowledge standard for the users of JCM products.

To ensure these high quality technical trainings JCM Service Centres regularly receive new product information and updates on our developments.

This enables our customers to get the best out of JCM products.

EXHIBITIONS WHERE WE CAN MEET. . .

Trade shows are always a good opportunity for customers to find the best solution for their application. On exhibitions, JCM offers its latest product information and the possibility to talk directly to the JCM team. This helps customers to find new cash handling solutions.

JCM dedicates a lot of time visiting international trade shows. These shows allow us to have close contact to customers and to meet new ones. JCM either participates with a booth on its own or in partnership with one of the JCM Service Centres.

Review

JCM has a long experience with international trade shows. A short review on the exhibitions where JCM participated shows our dedication:

- World of Games, Moscow
- Intertraffic, Amsterdam
- VendItalia, Milan
- CeBIT, Hannover
- ATE/ICE, London
- EELEX, Moscow
- EU'Vend, Cologne

Future

We will continue our commitment with the participation in future trade events. Our Service Centres and JCM Germany itself will be active participants in future shows like:

- IMA, Düsseldorf
- DA Vending Expo, Paris
- EELEX, Moscow
- ATEI & ICE, London
- World of Games, Moscow
- G2E, Las Vegas
- Australasian Gaming Expo, Sydney

This is only a short list of the exhibitions where JCM presents its latest product developments. You can get more detailed information about the JCM trade show calendar on our homepage.

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HEAD OFFICE, JAPAN:
2-3-15 Nishiwaki, Hirano-ku, Osaka 547-0035
Tel.: +81 6 6703 8400 Fax: +81 6 6707 0348
Internet: www.jcm-hq.co.jp

EUROPE:
Mündelheimer Weg 60, 40472 Düsseldorf, Germany
Tel.: +49 211 5306 450 Fax: +49 211 5306 4565
Internet: www.jcm-europe.com

UNITED KINGDOM:
Unit B, Third Avenue, Denbigh West Business Park,
Bletchley, Milton Keynes, MK1 1EJ
Tel.: +44 870 770 2863 Fax: +44 190 837 7834
Internet: www.jcm-uk.com

USA:
925 Pilot Road Las Vegas, Nevada 89119
Tel: +1 702 651 0000 Fax: +1 702 651 0003
Internet: www.jcm-american.com

HONGKONG, CHINA:
Unit 1-7, 3/F, Favor Industrial Center,
2-6 Kin Hong Street, Kwai
Chung N.T., Hongkong
Tel. +852 2429 7187 Fax: +852 2420 8864
Internet: www.jcmgold.com.hk