



AUTOMATION BRAIN

Empowered by Innovation

TECHNOLOGICAL
SOLUTIONS

Engineering, Consultating and Intergration of
Automated Production System

COMPANY PROFILE





ABOUT US

Automation Brain Pvt Limited [ABPL] is a specialized company in engineering, consulting and integration of automated production systems. We provide with technological solutions to a wide range of industrial sectors with help of ABPL team of experts.

ABPL focus its energy on helping our prestigious clients meet the challenges of cost controlling, globalization, competitiveness & bringing innovation.

Our company's goal is to identify the challenges in order to offer clients innovative solutions that will yield substantial savings and improve their productivity, our teams extensive experience in industrial automation puts us in an ideal position to help our prestigious clients achieve the industrial efficiency they are seeking, minimizing cost while respecting quality of products.

COMPANY DETAILS

COMPANY NAME

Automation Brain PVT Limited

HEAD QUARTERS

106-D, M.A. JoharTown,
Lahore . Punjab – Pakistan

REGISTERED

SECP, FBR, PRA, SRB, LCCI,
pakistan customs (WEBOC)

BUSSINESS NATURE

Industrial automation solution
provider, exporter of made in
pakistan products

MAJOR STRENGTH

Customer Services



CEO'S MESSAGE

Welcome to Automation Brain Private Limited , where innovation meets possibility! At Automation Brain Private Limited we are pioneers in harnessing the power of technology to redefine the future.

Our commitment to pushing the boundaries of what's possible drives us to create cutting-edge solutions that make a meaningful impact. As we embark on this journey together, we invite you to explore the endless possibilities that our team's creativity and expertise bring to the world.

Give us a challenge for industrial coding, marking, inspection, packaging , products traceability, brand protection, Brand promotion , end to end end visibility of your products, system's integration, Serialisation , IoT , Artificial Intelligence, software development & advanced labelling needs , at Automation Brain Pvt Ltd, our team is a diverse tapestry of skills, experiences, and perspectives. We recognize that the most innovative solutions arise when a multitude of minds converge, each contributing a unique piece to the puzzle. By embracing challenges collectively, we harness the collective intelligence of our team to develop holistic and forward-thinking solutions that stand the test of time.

Join us in shaping tomorrow's innovations.

Best regards,

Zahoor Ahmed Kayani

CEO– Automation Brain Private Limited



OUR KEY TEAM MEMBERS

Automation Brain Pvt Ltd team members help each other succeed to accomplish the company's goals and provide their expertise on different projects and duties.

Individuals have specific roles and are typically structured in a functional way.

Automation Brain Pvt Ltd has created a structural charts that clearly define the types of roles within departments for ensuring best performance of our team in customer service and customer satisfaction.

Our team is well educated to handle customer complaints, provide appropriate solutions and alternatives within the time limits .



WE ARE PARTNERED WITH WORLDS LEADING BRANDS

WE EMPOWER YOUR INDUSTRY

Automation Brain Pvt brings industrial innovation

The Company is a leading solution provider with futuristic ideas and concepts that an organisation undertakes to conceptualize new innovative & mordern products, solutions, processes to convert existing products, processes and ideas in a mordern and productive ways.

AUTOMATION BRAIN PRODUCT TO PALLET CODING AND INSPECTION FAMILY						
INDUSTRIAL PROCESS	TECHNOLOGY		OUR PARTNERS		COUNTRY OF ORIGIN	
PRIMARY CODING	CIJ	LASER	LEIBINGER	DIKAI + HANS	GMBH	PRC
SECONDARY CODING	TTO	HIGH RES	DIKAI	SOJET	PRC	PRC
TERTIARY CODING	HANDHELD PRINTER	PRINT & APPLY	REINER	MASCA ID	GMBH	SPAIN
END OF LINE	LABELS PRINTER	LABELS APPLICATOR	ARGOX	E-PACK	TAIWAN	ITALY
WAREHOUSE	SYSTEM INTEGRATION	MOBILE SCANNER	AB-INTEGRA	UROVO	GMBH + PAK	PRC
AB-INSPECTION	QUALITY INSPECTION	AB-AI	TECHIK PRC	COGNEX + DOBOTS	PRC	USA

AUTOMATION BRAIN PVT LTD

SYSTEM INTEGRATION

Automation Brain Pvt Ltd is the leading facilitator across Pakistan for integration of coding , marking and inspection machinery with external softwares & the database .



Our integrated solutions are widely used in foods , pharma , beverage , agriculture, pesticides , sugar and tobacco industries for products track and trace , serialisation, aggregation coding , anti counterfeit, lottery management softwares and QR CODES , product's identification , products verifications and several other areas .

Our team loves to work on customised solutions for coding ,packaging, marking , inspection and traceability needs of business .

For more details visit our website
www.automation-brain.com

AB – PRODUCTS HIGHLIGHTS



LEIBINGER-GMBH

The most important advantage of LEIBINGER printers is that they do not waste time for cleaning and rinsing cycles like conventional technology printers. Thanks to exclusive **Sealtronic** technology.

MOTIX, MOECO-PRC

These High Resolution Inkjet printers are world's fastest in speed & deliver unparalleled printing performance.



HANS — PRC

When it comes to laser power, longer life & superior print quality – Hans laser is the world's best brand with unbelievable performance.

AB – PRODUCTS HIGHLIGHTS

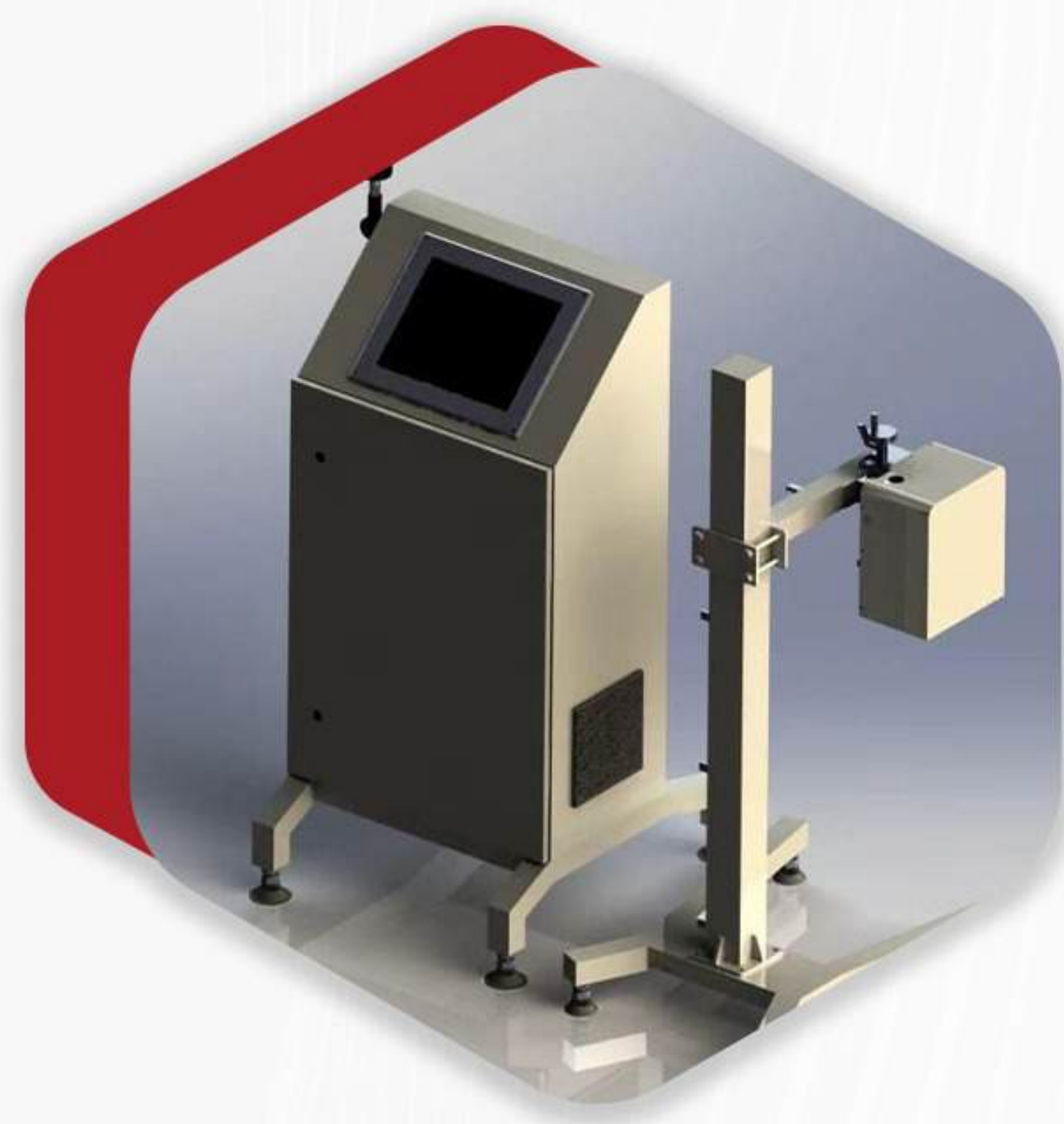


DIKAI CODING-PRC

Thermal Transfer Overprinting Technology highly affective solution for flexible laminates, paper and other substrates where premium quality printing in needed.

AB-VISION INSPECTION SOLUTION

High quality and high performance inspection a very demanding innovation for inspection of printing on products and many other information can also be inspected



TECHIK INSPECTION SYSTEMS

A complete range of metal detectors and other inspection equipment that yields substantial improvements in products quality and safety.

JET 2^{NEO}

Print on any material and on any shape with a
variety of inks made by LEIBINGER.

2D barcodes, particularly **data matrix**, play a crucial role in product coding, traceability, and marking.

The power of traceability in 2d barcodes

Traceability is a critical aspect of supply chains and product authenticity. 2D codes, including data matrix codes, enable enhanced traceability by allowing manufacturers to encode vital information such as manufacturing dates, origins, and tracking numbers. This information can be used to monitor and trace products throughout their entire lifecycle, promoting transparency, quality control, and efficient recall management.

LEIBINGER CIJ printers can print a variety of codes in various symbologies including GS1 DataMatrix codes .

Print quality of LEIBINGER printers is unparalleled.



Most importantly, the barcodes and 2D codes need clear print impression and stable performance of the CIJ printers.

#LEIBINGER exclusive **#sealtronic** technology ensures stable print quality by ridding the clogging in of print heads, hermetically sealed nozzle and gutter auto retract function plays the vital role in smooth startup of **LEIBINGER** inkjet printer making them exclusive and unparalleled in their class.

LEIBINGER CONNECT

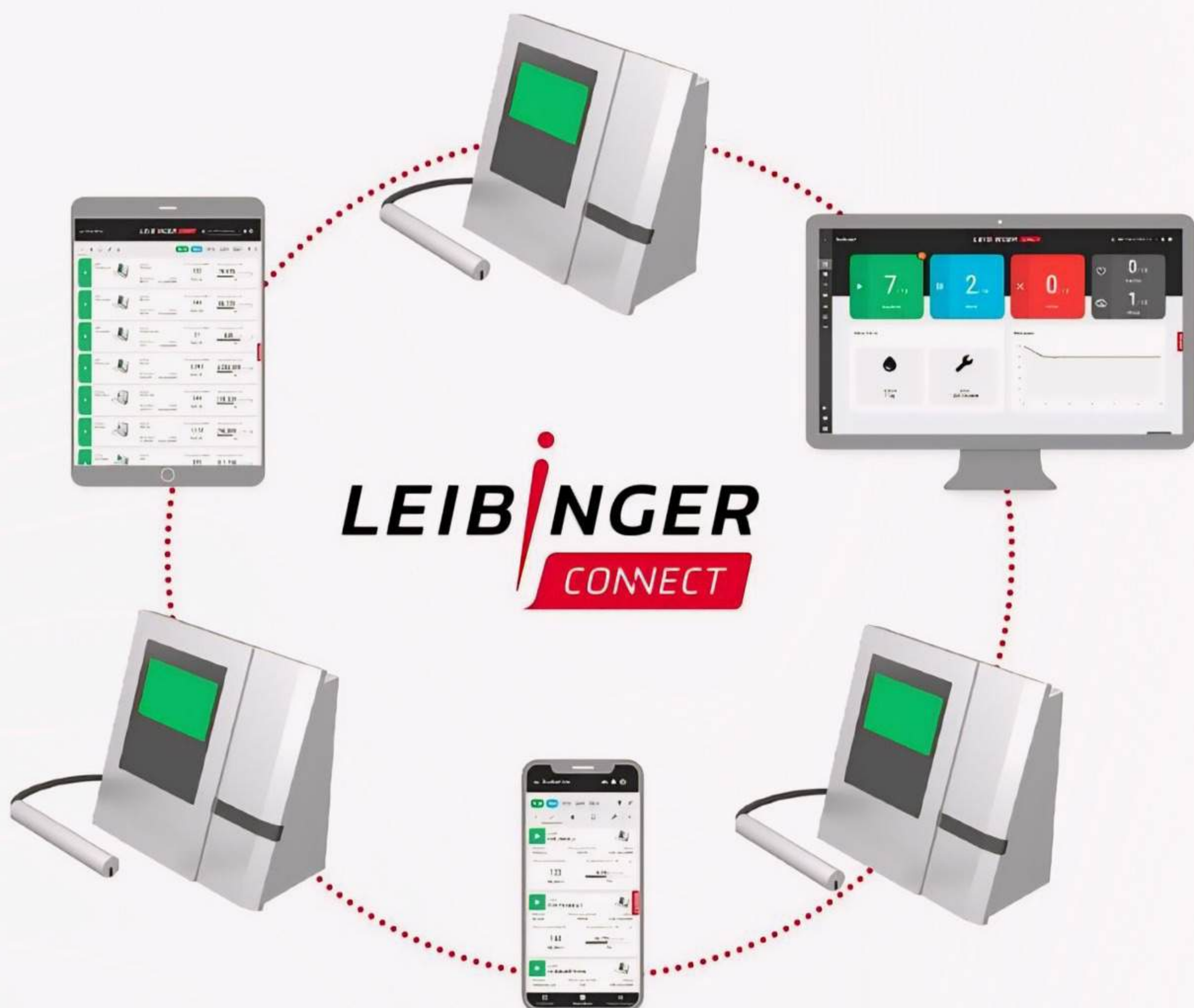
Manage your coding and marking tasks faster, more easily and more securely. LEIBINGER Connect is your access to a better overview, improved planning and optimized productivity.

Tap the full potential of your Leibinger coding and marking systems with LEIBINGER Connect – our digital services – independently of time and place.

Production interruptions?

Rejects? All a thing of the past.
Task planning

A central overview of all pending tasks and early notification support proactive production planning.



AB-LASER TECHNOLOGY

WORLD'S BEST LASER TECHNOLOGIES

Our **Fiber Laser** mainly applicable to metal materials, partial plastic materials and coated non-metal materials by high-speed flight marking. Such as aluminum, stainless steel, copper etc., and few plastic material, metal can with coating layer, color print.



Our **CO2 series** products are mainly applicable to non-metallic materials of high-speed flight marking, such as paper boxes (boxes, labels), plastic bottles, flexible packaging films (bags), coated metal cover (boxes, cans), glass bottles, ceramic bottles.

UV Lasser is more advanced solution for laser sensitive materials as this technology is based on discolouration techniques that allows to mark the mono layer packaging films or other highly sensitive materials .



More details are available on our website :
www.automation-brain.com

AB ADVANCE THERMAL INKJET TECHNOLOGY **MOLI-HIGH-PERFORMANCE INKJET CODING SOLUTION**

Moli is a new member of Automation Brain Private Limited range of products , that is mainly specialised for high graphic QR codes , GS1 DataMatrix codes , images & other variable data on variety of substrates .

Special Features

- Flexible combination of multiple nozzles, easy splicing, good splicing effect, nozzle delay can be set independently.
- Flexible horizontal DPI linear setting (40-1200DPI).
- Supports code scanning and inkjet coding application functions.
- Support multiple I/O signal expansion.

The ink cartridge temperature is adaptively controlled and the nozzles are alternately printed to improve the printing effect and extend the life of the ink cartridge.

- Can automatically identify the ink cartridge type and automatically import default parameters to record printing logs.

Inkjet coding solutions

Supports multiple communication protocols and SDK software required for system integration and application.

Supports dynamic data and database coding.

High-standard anti-interference design, suitable for industrial sites in different complex environments

External synchronizer and external photoelectric sensor can be connected, making it easy to produce efficiently and at high speed.

It can print text, barcode, QR code, logo, production date, logo, digital number and other information.



Applicable materials

Food bags, outer boxes, beverage bottles, medicine boxes, labels, cans and other materials.

Widely used in the food and beverage industry, daily chemical industry, wire and cable industry, medical and pharmaceutical industry, electronics industry, and tobacco industry.

MOLI HIGH RESOLUTION PRINTERS FAMILY | MOTIX & MOECO

Automation Brain (Pvt) Ltd. deals in complete products track and trace, products-verification, products serialization for primary, secondary and tertiary industrial applications. Our machines deliver high definition barcodes, QR codes, data matrix GS1 codes in both standalone and system integration mode, MoTix has built-in feature to integrate with pharma searialization software.



IQ.JET®

NEW LEIBINGER IQ.JET

NO MAINTENANCE REQUIRED FOR 5-YEARS

WORLD'S FIRST INTELLIGENT CODING AND MARKING SYSTEM

Unleash unparalleled advantages with the IQJET's four groundbreaking intelligent functions, setting it apart from the competition.

The IQJET does exactly what it's supposed to: print non-stop for your peace of mind.

CALCULATE YOUR SAVINGS

IQJET minimizes both your downtime and your operating costs. In this way your LEIBINGER IQJET pays for itself in record time. Simply calculate your savings [here](#).



REVOLUTIONIZING PRINTING EFFICIENCY AND QUALITY:

SMART CARTRIDGE DESIGN & PREMIUM PRINT PRECISION

Innovative & smart cartridge replacement , zero wastage of inks and solvent .

Unique design of new cartridges end to last drop.

Premium print quality and stability , unparalleled quality of text , QR codes , Barcodes , Images and GS1Datamatrix codes and so on



AB-X-RAY INSPECTION SYSTEM



Where to use X-ray inspection machines?

X-ray machines are typically used for inspecting products with a higher density or those that are encased in metal or other dense packaging material. They are suitable for inspecting a wide range of products including meat and poultry, dairy, confectionery, bakery items, canned goods, pharmaceuticals, and packaged goods where the detection of contaminants such as metal, glass, stone, bone or high-density plastics is crucial. X-ray machines can also detect missing components and ensure product integrity such as detecting broken or incomplete items.

The Techik Instrument X-ray Inspection System is a sophisticated industrial equipment designed to provide precise and comprehensive inspection of products in manufacturing facilities. This system utilizes X-ray technology to detect foreign objects, assess product integrity, and ensure compliance with quality control standards in various industries.

~~Metal~~

~~Glass~~

~~Stone~~

~~Bone~~

~~High density
Plastic~~

AB-PRODUCT INSPECTION SOLUTIONS

- Metal Detector
- Check Weigher
- Optical Sorting System System
- X-Ray Inspection System

Automation Brain (Pvt) Ltd. is specialized in Industrial inspection and advanced quality assurance solutions. Our team has successfully installed a range of innovative and modern technological industrial solutions across Pakistan. Company is known as a most reliable facilitator for the following industrial sectors; Food, Pharma, Beverages, Confectionary Automotive, Electronics, Packaging Industries, Bakers and many more.



AB KEY PRODUCTS IN INSPECTION SOLUTIONS



The Techik XL-500 Checkweigher

is a high-performance industrial checkweigher with advanced features designed to ensure precise weight monitoring and product quality control.



The Techik Multisort Checkweigher

is a high-performance industrial checkweigher designed to accurately and efficiently weigh and sort products on production lines. It offers advanced features specifically tailored for the quality control needs of various manufacturing industries.

TECHIK — PRC

HIGH SENSITIVITY METAL DETECTORS

METAL DETECTOR

AB-smart and advanced industrial metal detector suitable for metal contaminants detection in various industrial sectors such as:

- Aquatic products.
- Meat and poultry.
- Salted products.
- Nuts.
- Vegetables.
- Chemical industries.
- Pharma industry.
- Cosmetics and personal care.
- Electronics.
- Automotive.
- Beverages.
- Packaging industry.
- Fertilizer industry.
- Pesticide.
- Bakery.
- Dairy Industries.
- Cement Industry.
- Sugar mills.



DIKAI SHANGHAI TTO (THERMAL TRANSFER OVERPRINTER) PRINTERS

Dikai Shanghai TTO (Thermal Transfer Overprinter) printers offer several major uses and benefits for industrial applications. These printers are widely used in the packaging industry for printing variable information such as expiration dates, batch numbers, barcodes, and other product information on flexible packaging materials like labels, films, pouches, and bags. The key benefits of Dikai TTO printers include high-speed printing capabilities, crisp and clear print quality, low maintenance requirements, and compatibility with various substrates. They also provide flexibility in coding different types of packaging materials without the need for frequent ribbon changes due to their efficient ribbon utilization. Overall, Dikai Shanghai TTO printers help businesses ensure accurate coding on their products while increasing operational efficiency in production lines.



AB- specialised Handheld printers & mobile computers

MoTix 1H

Handheld Thermal inkjet printer

Despite the prevalence of fixed thermal inkjet printers in industries like manufacturing and logistics, handheld versions remain relevant due to their portability and versatility



AB-HandHeld laser marking machine

Marking and engraving: Handheld laser marking machines are used to mark or engrave various materials including metal, plastic, wood, glass, ceramics, and more.



UROVO rugged Tab | AIDC

The Urovo rugged tablets and mobile computers are designed for use in demanding environments, such as industrial settings, logistics, transportation, healthcare, retail, and field service. The major usages of these devices include:



UROVO handheld PDA

The Urovo handheld Rugged SCANNERS and mobile computers are designed for use in demanding environments, such as industrial settings, logistics, transportation, healthcare, retail, and field service. The major usages of these devices include:



OUR SOLUTION PARTNER

EXTEND TAIWN

Founded by Robert Lai since 1986. Specialize in End of Packaging Line Machinery. Supplying more than 102 countries .

We offer high end products and service for the following range of Extend group

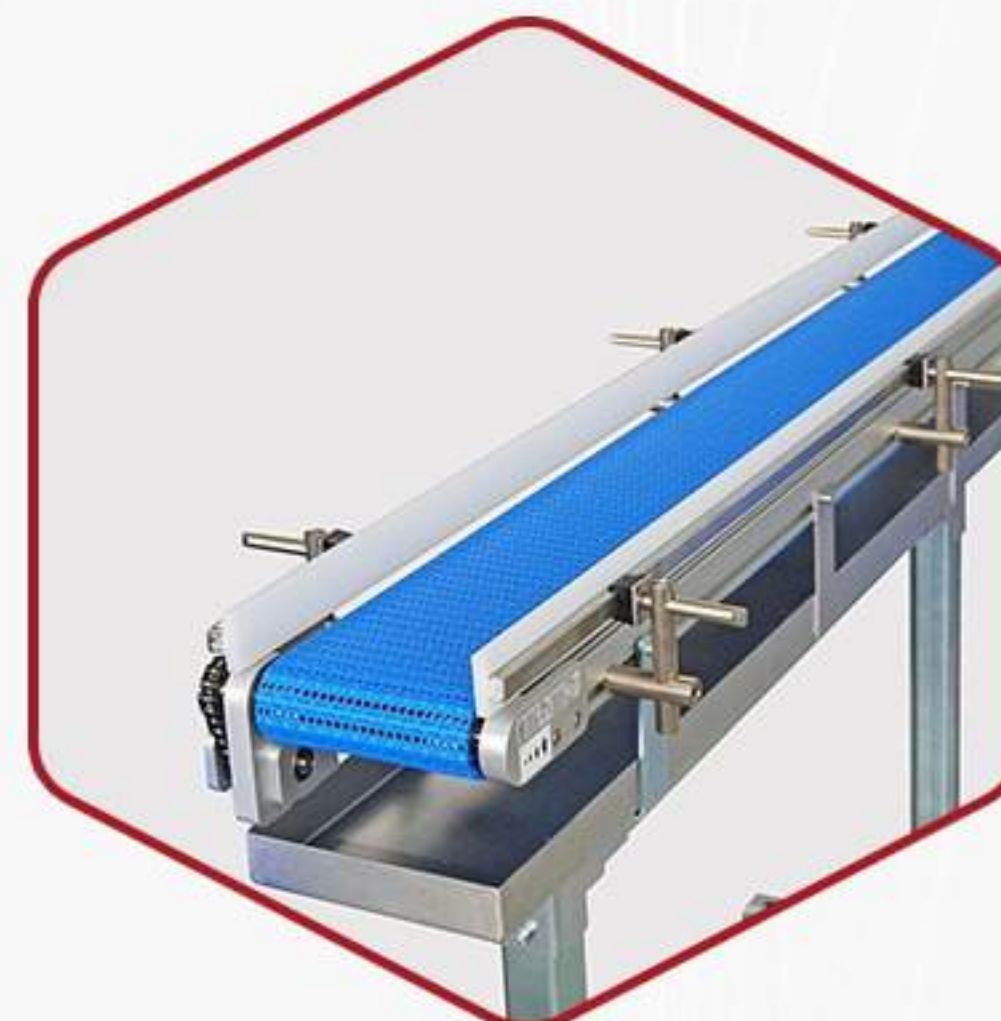
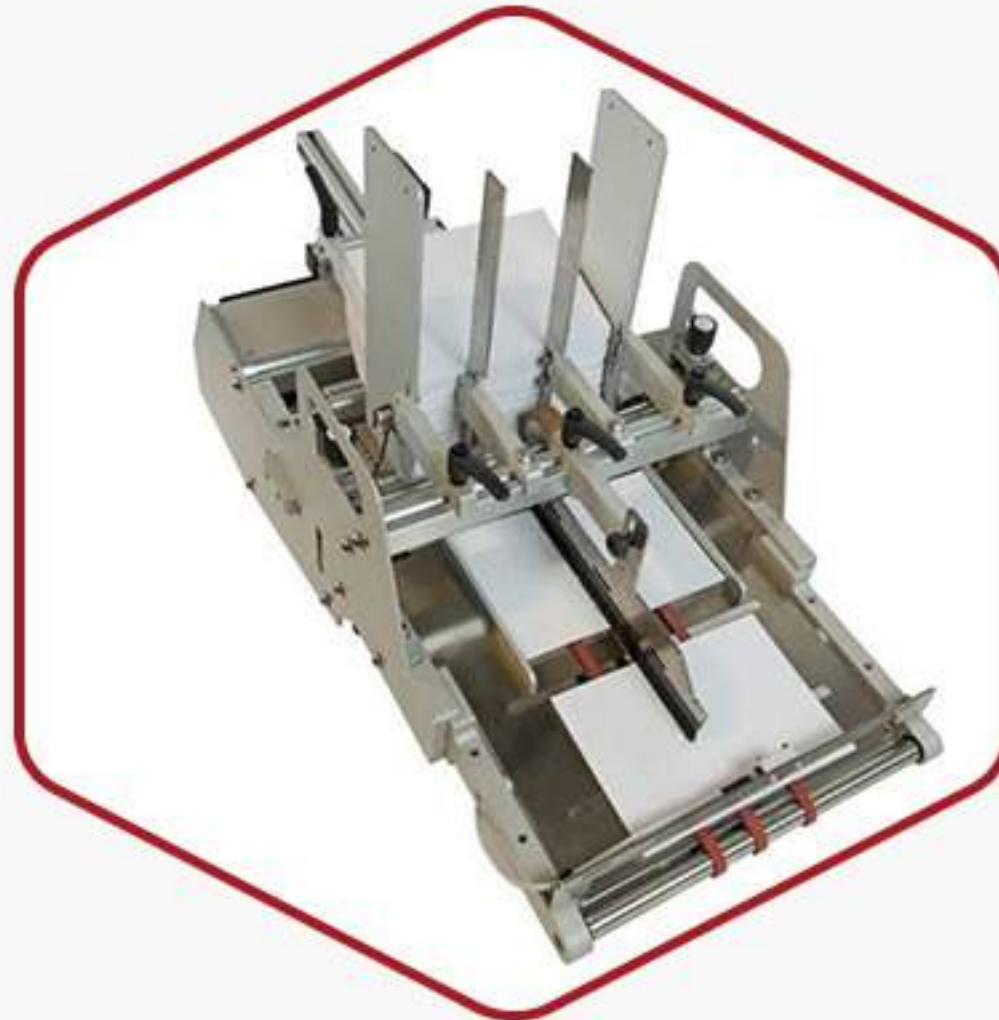
- High quality Cartons Sealers
- Too notch quality Pallet Wrappers
- High end Strapping machines
- State of the art Heat Shrink Machines



AUTOMATION BRAIN PVT LTD

LOCAL MANUFACTURING

As a local manufacturer of industrial conveyors, Auto cartons feeder , Rewinder & various other products, our business plays a vital role in providing essential equipment for various industries.



Industrial conveyors are crucial for moving materials and products efficiently within manufacturing facilities, warehouses, distribution centers, and other industrial settings. Our company's expertise in designing and producing high-quality conveyors & other aforementioned items contributes to the smooth operation of production lines, ensuring the seamless movement of goods throughout the supply chain. By offering reliable and innovative conveyor solutions tailored to meet the specific needs of your business , we play a key part in facilitating efficient material handling processes for businesses across different sectors.

SKIT



“ LEADING SUPPLIER OF LABELING SYSTEM ”



Our partner in China focus on R&D intelligent labelling equipment with 25 years experience .

With the product series as follow :

Standard labeling system;
On-line printing labeling system;
On-line variable code printing system;
RFID Application;
Automatic packaging solution;



All labelling machine with CE and ISO certificate.



AB-SOLUTIONS

FOR ANIMAL REPRODUCTIVE RESEARCH

Automation Brain is an exclusive Local manufacturing facility for animal reproductive systems & agricultural research.



As a distinguished manufacturer of artificial insemination equipment, we are dedicated to serving the livestock sector, animal reproductive research labs, and semen production units. Our innovative and reliable products play a crucial role in advancing animal breeding and reproductive technologies. With a focus on quality and precision, our artificial insemination equipment is designed to meet the specialized needs of our customers, ensuring successful reproduction processes in livestock and research settings. We take pride in contributing to advancements in animal breeding techniques by providing high-quality and efficient solutions for artificial insemination.

For more details visit our website
www.automation-brain.com



AB-AIDC

PRODUCTS AND SOLUTIONS

Our AIDC business offers a comprehensive range of products and solutions designed to streamline your operations and enhance efficiency. We provide cutting-edge AIDC technology including barcode scanners, RFID systems, mobile computers, rugged tablets, printers, and software applications to help you accurately identify and capture data about your assets.

Our solutions are tailored to meet the diverse needs of various industries including retail, healthcare, logistics, manufacturing, and more. Whether you need to improve inventory management, track assets in real-time or optimize your supply chain processes, our AIDC products can help you achieve these goals.

With our expertise in AIDC technology and a commitment to delivering high-quality products and exceptional service, we aim to be your trusted partner in harnessing the power of automatic identification and data capture for your business success.



AB-TRACK AND TRACE SYSTEM

AB-SERIALIZATION SOLUTIONS

ABCDE
123456
7x5
4 Lines

BEST BEFORE 10/09/2030
LOT 54B722AA L2 09:53

LOT 12345

CE

7 6130 34 877420

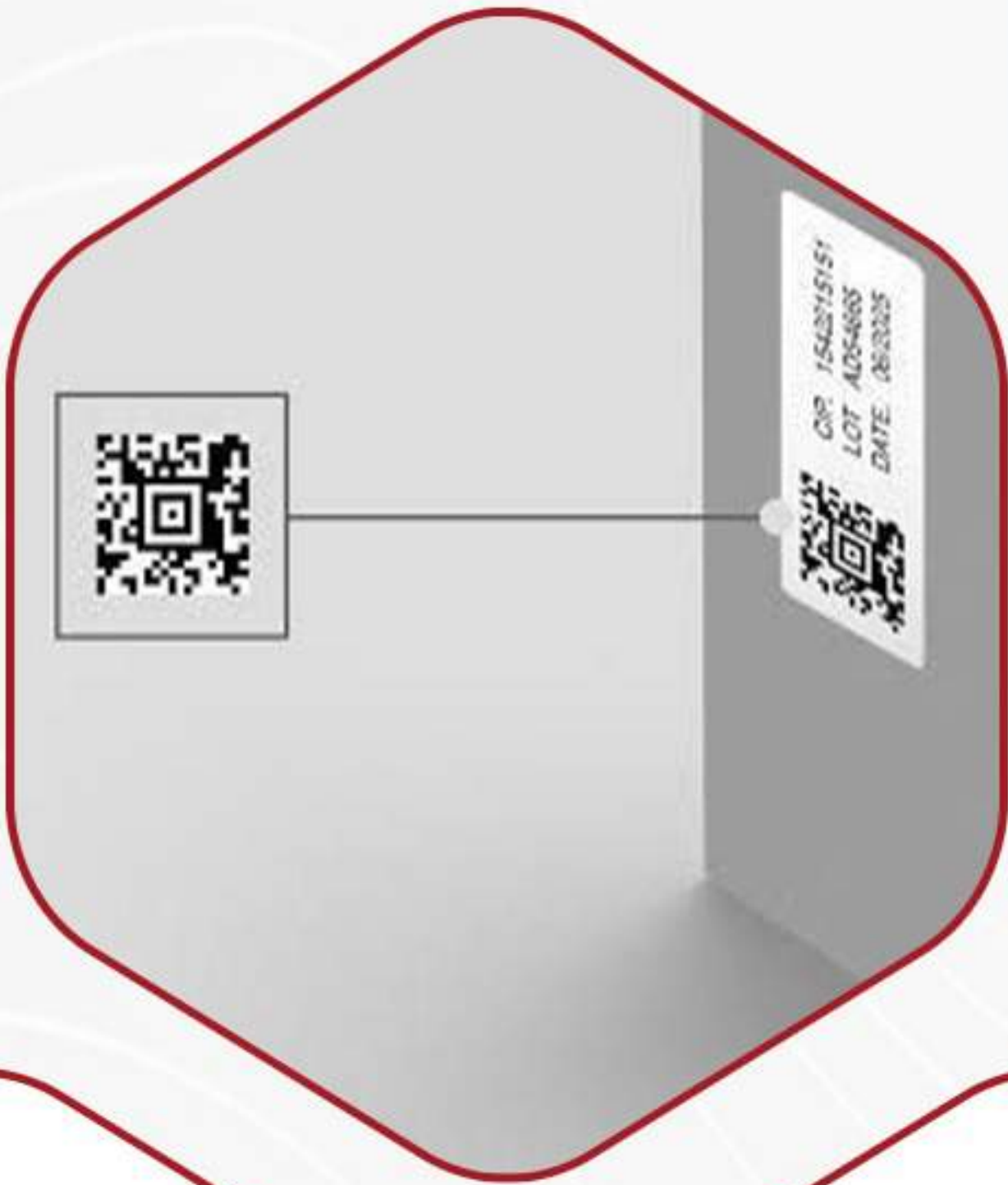
#00172309
LEIBINGER

D-RP247
EWG

Automation Brain Track and Trace provides real-time visibility and reporting of products within a vehicle, a container, a pallet or a packaging box at the micro-level. It enables you to track products throughout the supply chain. In highly regulated industries like pharmaceuticals, chemicals, tobacco, alcohol and explosives, this becomes critical.

Our clients can get amazing benefits from AB-track and trace technology.

- Drive Compliance
- Get Better visibility
- See Micro-Level Insights
- Maximise Loyalty



PACKAGING STEPS

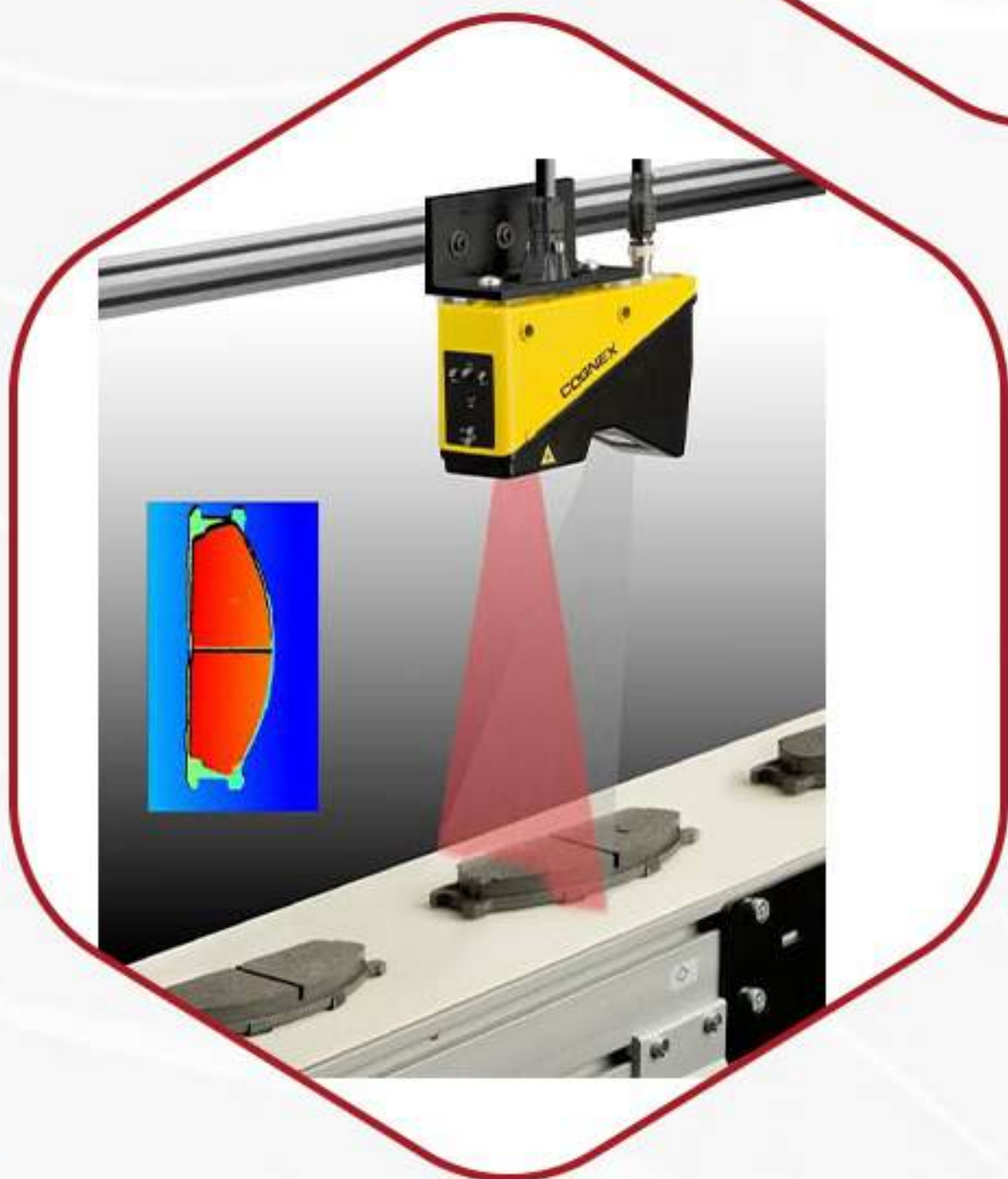


AB – VISION INSPECTION

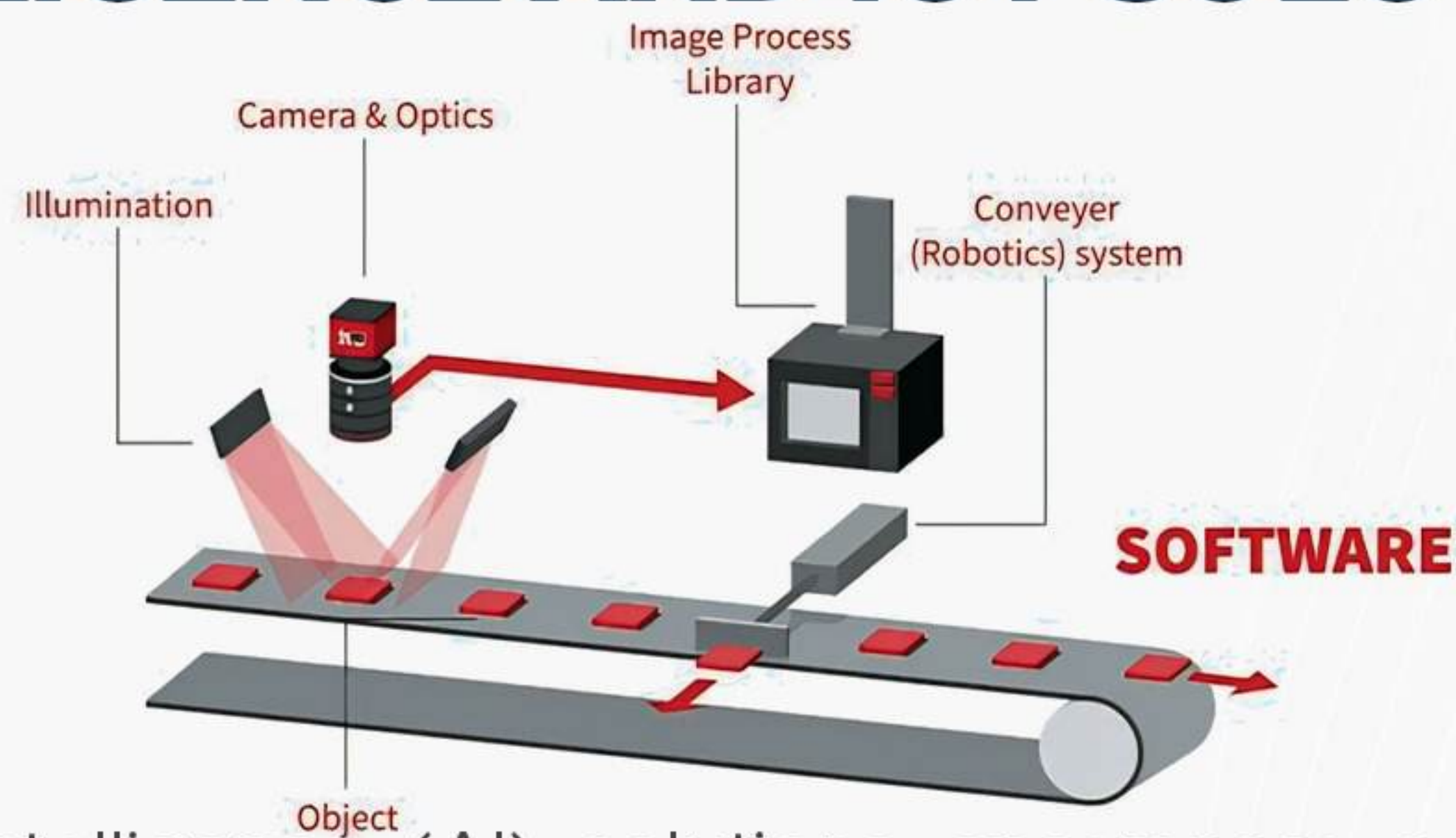
AB-TRACK AND TRACE SYSTEM

Our vision inspection and track and trace systems offer advanced solutions for ensuring product quality, safety, and compliance throughout the manufacturing and supply chain process. Using cutting-edge technology such as machine vision cameras, sensors, barcode readers, and software applications, our systems enable businesses to detect defects, verify product components, and track the movement of items from production through distribution.

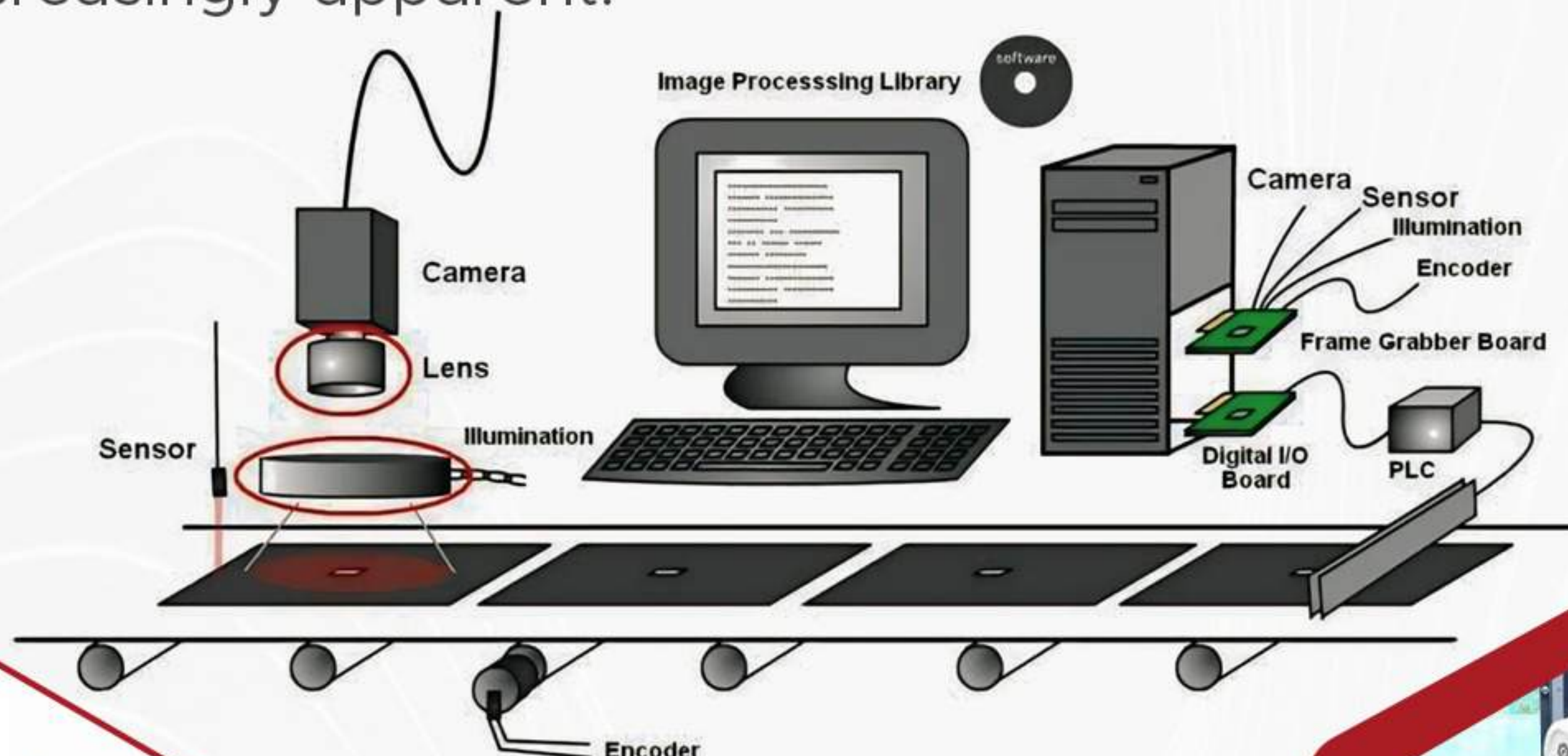
With a focus on accuracy and efficiency, our vision inspection and track-and-trace solutions are designed to help companies minimize errors, reduce waste, comply with regulations, protect brand reputation, and ultimately deliver superior products to their customers.



AB-ARTIFICIAL INTELLIGENCE AND IOT SOLUTIONS



AB – Artificial intelligence (AI) solutions encompass a wide range of technologies and applications that aim to replicate human-like reasoning, learning, and problem-solving in machines. These solutions utilize algorithms, machine learning, and data analysis to automate tasks, make predictions, and optimize processes across various industries. From chatbots and virtual assistants to predictive analytics and autonomous vehicles, AI solutions are revolutionizing the way businesses operate and interact with customers. As AI continues to advance, its potential for improving efficiency, accuracy, and decision-making in numerous fields is becoming increasingly apparent.



AB — MACHINES PROTECTIVE HOUSING, CONSOLES , MOBILE STANDS AND TROLLEYS

WE ARE NOT ONLY SELLERS, WE WORK ON CUSTOMER SUCCESS

Some of industrial environments are challenging where our customer require advanced protection levels for their machinery.

We invest on R&D to meet our customers needs, our protective equipment is a great example of how we help our customers in prolonging the equipment life and efficiency.

Top-10 Typical applications for these protection systems:

- Cement industries
- Fertilizer plants
- Wood processing plants
- MDF & Particle Processing plants
- PVC Pipes manufacturing plants
- Tea processing plants
- Sugar processing plants
- Pesticides plants
- Dairy & Juice plants
- Steel Mills



A VAST VARIETY OF CONSUMABLE

INKS, SOLVENTS, LABELS, RIBBONS AND MANY MORE

At our Automation Brain Pvt Ltd, we pride ourselves on being the top solution provider for a variety of CIJ inkjet printing inks, 42mk HP cartridges, ribbons & labels, and hot rolls & special tamper-evident labels. With our extensive range of high-quality products and expertise in printing solutions, we are committed to meeting all your printing needs with precision and reliability. Whether it's for industrial coding or packaging applications, our comprehensive offerings ensure that you have access to the best-in-class supplies and solutions for your business.



FEW OF OUR KEY CUSTOMERS



AB-GLOBAL PARTNERS



AB- AFTER CARE SUPPORT

Our company provides top-notch aftercare support for industrial automation machinery and solutions. We are dedicated to ensuring that our clients receive prompt and effective maintenance, repairs, and technical assistance to keep their operations running smoothly.

AB- TOTAL CARE AGREEMENTS

Our total care agreements for industrial automation provide comprehensive maintenance and support for your machinery, ensuring peak performance and minimal downtime. With proactive monitoring and regular inspections, we aim to keep your operations running smoothly while minimizing potential issues.

This includes **ONSITE RESIDENT TECHNICIANS** and **UNLIMITED FREE TELEPHONIC CONSULTANCY**

AB- TRAINING PROGRAMMES

We offer top-notch training programs for industrial coding, marking, inspection, packaging, and other machinery. Our expert trainers provide hands-on instruction to equip your team with the skills needed to excel in these critical areas of industrial operations.





DIGITAL FOOTPRINT OF
AUTOMATION BRAIN PVT LTD
LET'S CONNECT

FOLLOW US



CONTACT US



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