

products overview 2021



ABOUT

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With engineering and project management that really understands the challenges of today's packaging industry HBTS is the most comprehensive technological hub providing packaging solutions to a Customer's base seeking for a true partner to help them compete effectively in today's demanding markets.

From products buffering, to handling and distribution systems to flow wrapping and Xfold wrapping, from cartoning to full automated secondary packaging ends of line, time after time the world leading companies place their trust in HBTS Integrated Packaging Technology.

HBTS cutting edge technologies offer clients the benefits of placing a single contract with a partner who is able to provide a turn key system project managed from the initial concept to successful commissioning and site acceptance.

Whether your requirement is a stand alone machine or a sophisticated totally integrated solution HBTS makes the ideal partner.

HBTS is the packaging systems division of DM PACKAGING GROUP.



BUSINESS AREAS

FMCG

HBTS has designed and manufactured packaging machines and systems to meet the specific needs of FMCG industries. A wide variety of essential and everyday products in the home are handled by our systems including many major names in a variety of international markets.

BAKERY & BISCUITS

We initiate major advancements in technology development to not just meet but exceed the increased demands for speed, flexibility and accuracy in the production of bakery and biscuits, cakes, snacks and nutritional bar throughout the world. HBTS specialists are available to offer the necessary advise as selecting the most appropriate machine depends greatly on the handling characteristics and formats of your products.

CHOCOLATE & CONFECTIONERY

HBTS has a wealth experience supplying packaging machinery to the world's chocolate and confectionery industries. Our knowledge in the gentle handling of all types of chocolate and confectionery products is second to no one. From single stand alone machines to complete high speed packaging systems HBTS offers a comprehensive range of product storage and distribution, orientation and collating, vertical, flow and roll wrapping machines, robotic loading and cartoning, wraparound tray and case packing systems.

FROZEN FOODS

HBTS has an extensive experience in the supply of machinery of every kind to meet the specifications demanded by each industry. Wipe down to full stainless steel execution with wash down capability and suitable protection class to meet the most critical environmental operating conditions.

DRY FOODS

The packaging solutions offered by HBTS are widely used in a variety of global dry food industries worldwide. Their exceptional performance has been well proven in the packaging of cereals, tea, coffee and similar products.



INDIVIDUAL TECHNOLOGIES



Products handling



Ends of line



Distribution & feeding



Latest servo technology



Primary Packaging



Full accountability



VFFS

HBTS cutting edge technologies offer clients the benefits of placing a single contract with a full accountable partner who is able to provide a turn key system developed in house with projects managed from the initial concept to successful commissioning and site acceptance.

DISTRIBUTION & FEEDING



MPH Biscuits handling systems

High volume production lines rightly demand fully automated packaging systems that offer flexibility in format and operation and are capable of accepting normal irregularities in the product itself and in production supply rate.

With many years of experience in the handling of delicate, sticky, friable and fractious products our handling and feeding systems never fail to deliver and present your products perfectly to the next stage of the wrapping cycle.

Stack's loading (LH Series)

To compliment its MPH product's handling systems HBTS has developed the LH series multilanes stack's loaders series.

The LH is suitable for the composition of multi product's stacks delivering them within the flights of any flow wrapper lug's chain. The numbers of products per stack are only limited by its stability during the cross transfer.

Twin stack transfer within a single pitch of the lug chain is available on demand.

The LH is controlled by the HMI of any HBTS flow wrapper but it can be also supplied as stand alone unit with its own control and HMI panel.



Metering slug loading (LV Series)

These servo assisted multilane loaders automatically measure and transfer slug of biscuits, crackers, crisp bread slices onto any wrapper in feed bar chain when products on edge configurations are required. The LV receives the products already on edge either from vibratory feeders or by conveyors.

Electronically synchronized to the wrapper and controlled by any HBTS wrapper can also be supplied as a stand alone unit with its own motion control and user friendly HMI panel.



DISTRIBUTION & FEEDING



MDS Modular rows distribution systems

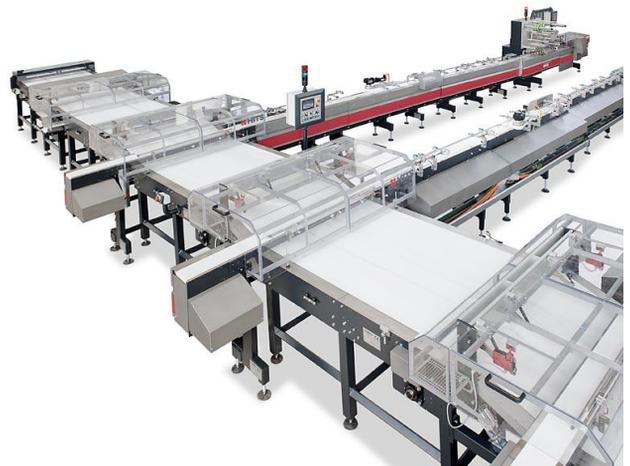
The MDS modular rows distribution system is specifically designed for fragile, odd shaped and delicate products such as cakes, croissants and viennoiseries in general, pralines, waffles, etc. coming from production in rows and requiring the smoothest possible transfer in order to preserve both row's integrity and product's regular arrangements to the packaging leg's intakes.

For extra critical products the MDS can be executed in "soft transfer" mode with rows of products fully controlled until gently deposited onto the exit conveyors. during the cross systems are suitable for the cross transfer of product's rows up to 50/min per transfer module

The MDS system allows for rows backfeeding, from the storage belt, on the last packaging leg while system is in full operation.

RD100 rows distribution system

The RD100 is a modular multilegs high speed row's distribution system with transfer capacity up to 50/1' per single transfer module and it is recommended for solid products coming at high rate from processing such us chocolate tablets and nutrition bars, wafer fingers, biscuits and sandwiched biscuits, regular shaped and suitable lengths sponge cakes and rolls, etc.

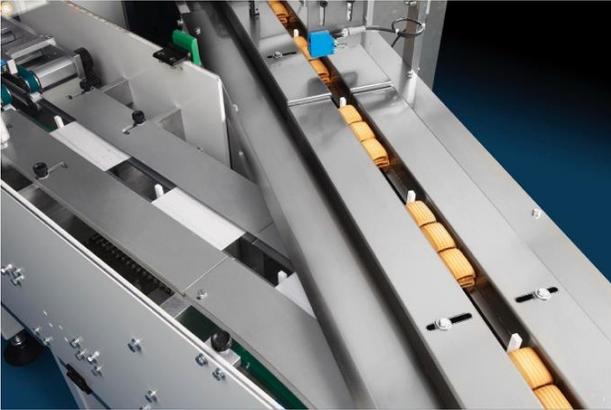


MSC singulating system

The MSC is a product's flow streaming system specifically designed for space saving purposes and suitable for solid round products and products with a prevailing side. The rows are received from upstream, even in poor arrangement, and the products are progressively aligned in the short side direction by means of motorized vertical belts and delivered to the wrapping leg feeding line.



DISTRIBUTION & FEEDING



MASTERFEED Series line phase feeders

HBTS designs and manufacture several smart multibelts products feeding systems operating at high speed with total control of the products positions.

These systems, totally servo driven and can be integrated, on demand, by specialty modules like in line stacking chain, twin feeder (for products in twin configuration side by side), various U board feeding solutions, product's grouping carousels, cross feeders, etc.

MWP wafers cross feeders

The MWP feeder is a single or twin (opposite) cam driven cross transfer portioning device for wafer's blocks packaging.

It extensively applies to wafers flow wrapping packaging since it creates the requested package portion length and transfers it directly within the flights of a flow wrapper lug's feeding chain.

Fully servo driven this feeder represents a cost effective solution for mid to high-speed applications and highly formats flexibility requirements and it can operate with both cross cut or non cut wafers



MAF Series angle feeders

The MAF is a cost effective flow wrapper's semi or automatic feeding solution for low-medium speed wrapping requirement of rectangular shaped non-fragile products.

The feeder consists a set of servo controlled conveyors delivering the products crosswise to the running sense of the wrapper lugs chain and it is controlled by the motion control processor thus HMI panel of any HBTS series flow wrappers.

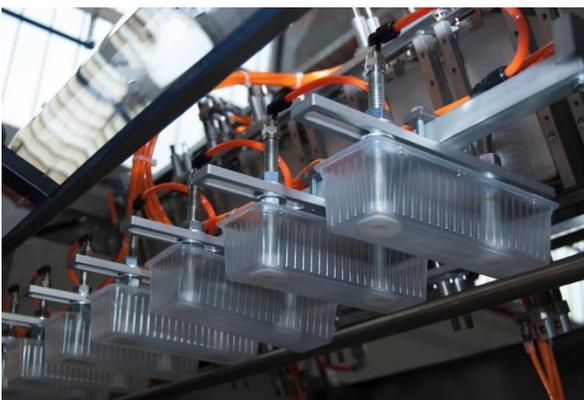


PRODUCTS PLACING



MLP Series line placers

The MLP is a vision guided delta robots integrated linear placer suitable to operate with regular or random incoming products (detected by a vision camera system). The main field of application is feeding the products to any wrapper in-feed systems as well as to from upstream. the containers where the aforesaid products need to be placed being cavity trays, tubs, boxes, etc.



MCP Series cross placers

The HDP series is a vision guided delta robots product's placer operating with regular or random incoming products.

The main field of application is placing the products into any packaging equipment in-feed system as well as into containers where the aforesaid products need to be placed being cavity trays, tubs, boxes, etc.

The HDP cells are equipped with parallel kinetics delta robots with multi-picking operating software on demand providing the most effective sequence to avoid the products to reach the end of line unpicked.



MDN Series trays unstackers

The MDN series multiline tray's unstackers are designed to accurately place containers such as single cavity trays, multi cavity trays, clam shells, custom trays, tubs and embossed products onto intermittent or continuous motion conveyors.

This machine is extremely versatile and can be easily integrated with Customer's existing equipment. HDN's are manufactured with multiple tray's magazines to suit the trays requirement needs and can operate at a speed up to 50 cycle per single lane, quick lock/unlock connections and minimal adjustment requirement limits change over time to approx. 10 min.

PRIMARY PACKAGING



MASTERPACK Series flow wrappers

HBTS designs and manufactures a variety of pillow pack style flow wrappers suitable to serve low, mid and high end speed requirements.

Each and every model of the range represents a non compromising piece of equipment, easy to integrate with any HBTS automatic and semiautomatic feeding system, using the latest servo technologies and standardly fitted with superior class features.



XM Series Xfold wrappers

HBTS designs and manufactures a variety of XFold style wrappers suitable to serve low, mid and high end speed requirements.

Each and every model of the range represents a non compromising piece of equipment, easy to integrate with any HBTS automatic and semiautomatic feeding system, using the latest servo technologies and standardly fitted with superior class features.

PRIMARY PACKAGING



B Series VFFS

HBTS designs and manufactures a variety of intermittent and continuous motion baggers suitable to serve low, mid and high end speed requirements.

Each and every model of the range represents a non compromising piece of equipment, easy to integrate with any HBTS automatic and semiautomatic feeding system, using the latest servo technologies and standardly fitted with superior class features.



ENDS OF LINE



ITL Series working cells

HBTS designs and manufactures custom built top loading ends of line with multi servo axis technology operating at high speed for a real flexible automation. This modular program ensures almost endless solutions to any Customer needs by combining the specialty modules with outstanding operational reliability thus efficiency and productivity whilst maintaining the highest quality of the finished products. The system modularity allows also future module integration following the evolution of our Customers markets.

MTPK Series case packers

The MTPK series, is a compact working cell specifically designed for products top loading case packing.

The standard module incorporates a variety of product's collation systems and erected cases in feed.

The MTPK Series is available with integrated case erecting and closing modules with tape or hot melt closing features on Customer choice.

Compact footprint, flexibility, quick change over time and friendly HMI with intuitive menus are only few of the benefits of the MTPK series.



TOTAL CUSTOMER CARE

At HBTS we have a deep understanding of the challenges facing our Customers and we are proud of our exemplary service.

Our specialistic after sales teams are dedicated in supporting you and your business with both commitment and professionalism.

With HBTS you can be confident that our support and expertise continue well beyond the initial installation stage. Whether you need remote or on site technical service and support; spares or change parts; training; equipment modifications or any other form of backup we are always there to support you.

Genuine Parts

As original manufacturer of your machinery we are the sole supplier of original parts, all designed to our standard to "fit first time", securing optimum performance and lifespan efficiencies.

- Advantage include:
- Maximum production "uptime"
- Eliminates the false economy of "non genuine" spares

Our fastest moving spares are available ex-stock

In order that we can remain responsive to your requirements we hold complete machine records to ensure full backup, technical support so that advice for your equipment is readily available.

Change Tooling

We recognise that all products have a lifecycle, which means that our machines are designed to be versatile and adaptable to suit your changing requirements. Our after sales teams have in-depth, expert knowledge and we can advise you on product and pack format changes as well as upgrades available for your equipment.

Services include :

- Dedicated design change process and manufacture
- Quick delivery of conversion and upgrade equipment ensuring minimal time to market
- Installation and commissioning of change parts to suit ne applications and subsequently improve the skill base of your operators/engineers to ensure optimum line productivity.



Service Visits

The ongoing development of our multi skilled Service Teams ensures that we are equipped to respond quickly and effectively to your service requirements, on site training and repairs.

Naturally our field engineers work alongside your own engineers and operators to communicate adjustments, modifications and additions made to your equipment; provide training where and when required, recommend improvements in procedures and suggest best practices to ensure that your equipment continues to perform in a way that not only meets, but exceed your expectations.

Service Agreements

We will be pleased to review your individual circumstances and requirements to tailor a specific service profile to suit you and your production demands.

Our service agreements provide a proven range of service engineering support products including:

Preventative maintenance plans

Spares discounts

Agreed response time

Remote monitoring

Refresher training program

Please contact our Service Team to discuss how a HBTS service agreement can help maintain your equipment in peak condition.

TOTAL CUSTOMER CARE

Training

We believe that the best way to enhance the efficiency of your installation is through the training and development of your people. To secure optimum performance of our installations we offer a wide range of training programmes which facilitate operator and engineer development and provide you with consistent “in house” capability. Training solutions are tailor made and can be delivered on a one-to-one or group basis as well as to staff at all level of your organisation.

Our training packages includes:

- Initial installation training/equipment familiarisation.
- Operator training; efficient day to day operation including troubleshooting
- Maintenance engineers training
- Routine refresher training; maintaining consistent employee’s skills standards

Refurbishment

Our comprehensive refurbishment programs are designed to provide cost effective solutions to upgrade your machinery, return it to an “as new” condition and ultimately deliver improvements in performance and output.

- Graded refurbishment programs with transparent specifications/costing
- Service exchange module schemes to minimize production downtime
- Return to base refurbishment projects offering full technical design/manufacturing resources on hand
- On-site refurbishment programs
- Rotational refurbishment schemes with the benefit of minimal production downtime



Performance Upgrades

We can provide expert advice on packaging solutions, conversions and upgrades to maintain and increase your commercial advantage.

These services include :

- Integration of leading edge servo motion and control package
- Enhanced user interfaces
- Improved fault diagnostics
- Enhanced performance and efficiency
- Delivery of increased output and uptime
- Upgrades bulletins to keep you informed of the latest developments
- Design out obsolescence to extend the working life and productivity of your valued assets

Process Improvements Programs

As a direct result of our success supplying applications to the global marketplace we have acquired a comprehensive knowledge and experience in the packaging industry.

Our engineers are specialists in all principals of design, technology and control process disciplines. Our skilled teams are equipped to work in all packaging line environments and have the expertise to recommend and implement improvements to your entire process line.

- DISTRIBUTION SYSTEMS
 - PRODUCTS HANDLING SYSTEMS
 - PRODUCTS FEEDING SYSTEMS
 - PRODUCTS BUFFERING SYSTEMS
 - PRODUCTS LOADING SYSTEMS
- FLOW WRAPPERS
 - XFOLD WRAPPERS
 - CARTONING
 - CASE PACKING
 - END OF LINES



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