

AGRISTACK > ROBOTIC BAG PALLETISATION

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THE AGRISTACK RANGE OF 'END OF LINE' PALLETISATION SYSTEMS OFFERED BY BRADLEY ENGINEERING ARE FAST, RELIABLE AND ROBUST, SUITED TO ALL TYPES OF PACKAGING LINES. BRADLEY ENGINEERING WAS SET UP BY RICHARD BRADLEY IN 2017 AND SPECIALISES IN AGRICULTURAL AND FOOD PRODUCTION AUTOMATION SOLUTIONS. ALL OF THE PRODUCTION STEPS FROM MECHANICAL AND ELECTRICAL DESIGN, OFFLINE ROBOTIC SIMULATION, BUILD AND TEST, TO INSTALLATION AND CUSTOMER SUPPORT IS OFFERED IN HOUSE. WE ARE COMMITTED TO PROVIDING QUALITY PALLETISATION SOLUTIONS TO NEW AND EXISTING CUSTOMERS. WITH BOTH NEW AND REFURBISHED ROBOTIC PALLETISING OPTIONS, TURNKEY AND BESPOKE, THERE IS A PALLETISING SOLUTION TO FIT EVERY BUDGET AND CAPACITY.



>WHY ROBOTS?

THERE ARE MANY BENEFITS TO ROBOTIC AUTOMATION WITH ROBOTIC PALLETISERS GAINING IN POPULARITY AND NOW OVERTAKING TRADITIONAL METHODS OF 'END OF LINE' PALLETISING.

SOME OF THE MAIN FEATURES WHERE ROBOTICS ARE BENEFICIAL INCLUDE:

- INCREASED EFFICIENCY AND REDUCED OPERATION COSTS
- A MORE VERSATILE MACHINE WHICH CAN BE RE-DEVELOPED TO A DIFFERENT TASK, SUCH AS PALLETISING DIFFERENT BAG TYPES OR BOXES
- INCREASED PRODUCTION OUTPUT WHILST REDUCING LABOUR AND MATERIAL WASTE
- COMPLYING WITH SAFETY RULES AND IMPROVING WORKPLACE HEALTH AND SAFETY, ESPECIALLY IMPORTANT WHEN PALLETISING BY HAND
- HAVING GREATER RE-SALE VALUE DUE TO THE ROBOT BEING MORE DESIRABLE INTO WIDER MARKETS



AGRISTACK > FEATURES

>SPEED

15 TONNES PER HOUR, REAL WORLD CAPACITY [25 KG SACKS].

>EFFICIENCY

WITH CONTINUOUS ALTERNATING PALLETISING OR FULL PALLET CONVEYING AND OPTIONS SUCH AS INTEGRATED SHRINK WRAP.

>PEACE OF MIND

WITH THE LATEST IN SAFETY TECHNOLOGY INCLUDING FULL SAFETY GUARDING AND LIGHT GUARD PROTECTION, POSITION SENSORS ON ALL GRIPPERS AND ROBOT COLLISION DETECTION.



>ACCESSIBILITY

WITH NEW AND REFURBISHED ROBOTIC ARMS TO SUIT ALL BUDGETS, ALLOWING FOR SMALLER BUSINESSES TO BENEFIT FROM AUTOMATION TECHNOLOGIES.

>RELIABILITY

WITH ROBUST AND RELIABLE DESIGN OF ALL COMPONENTS AND IN THE RARE EVENT OF BREAKDOWN, FULL CUSTOMER SUPPORT, INCLUDING PARTS, SERVICING, TROUBLESHOOTING AND REPAIR.



>PRECISION AND CONSISTENCY

WITH GENTLE HANDLING OF PRODUCT WITH THE LOWEST BAG DROP HEIGHT ON THE MARKET AND CONSISTENT RELIABLE STACKS.

>VERSATILITY

WITH MULTIPLE END EFFECTORS FOR A VARIETY OF PRODUCTS SUCH AS BOXES, BAGS, SACKS, TRAYS AND BOTTLES.

>INTEGRATION

WITH INSTALLATION INTO THE PACKAGING LINE, THE ROBOTIC PALLETISER CAN BE INTEGRATED INTO ALL CURRENT MACHINERY GIVING A HIGHER OUTPUT AND A MORE CONSISTENT PRODUCT.

