



THE MEDICAL AUTOMATION

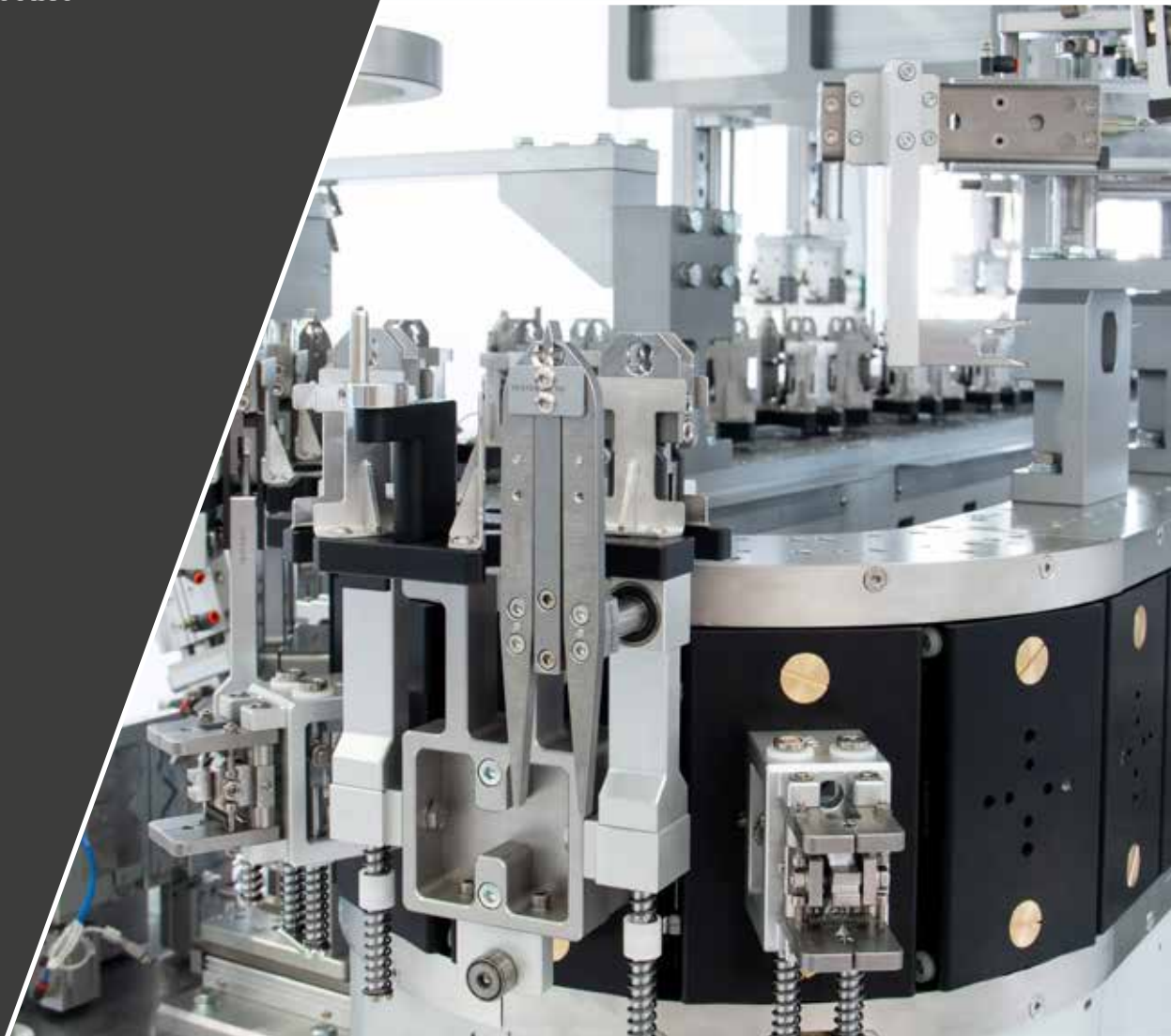
IN PARTNERSHIP WITH

**MOTOR
POWER**

COMPANY

MOTION SYSTEM

FOR ASSEMBLY
TECHNOLOGY



MOTION SYSTEM

FOR ASSEMBLY TECHNOLOGY

PRODUCT DESCRIPTION

Free Pallet Motion System is **A UNO TEC** own design modular equipment characterized by an independent, flexible and settable movement, based on ILSM -Independent Linear Synchronous Motors - designed and manufactured by **Motor Power Company**.

A UNO TEC realizes and installs this revolutionary technology on its own automatic assembly machines, providing its Customers with unprecedented benefits compared to any traditional motion system.

Main Benefits:

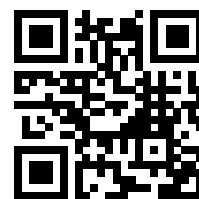
- › Customizable length and shape
- › Rise in productivity without affecting machine footprint
- › Process flow optimization
- › Maximization of efficiency in productivity
- › Flexibility for future implementations on the machine
- › Cost cutting thanks to working units reduction
- › Settable acceleration and deceleration rates, ideal for fragile products
- › Customizable motion speed
- › Fast change of setup
- › Easy-low maintenance, compared to traditional mechanical transfer
- › Compatibility with every PLC



TECHNICAL CHARACTERISTICS:

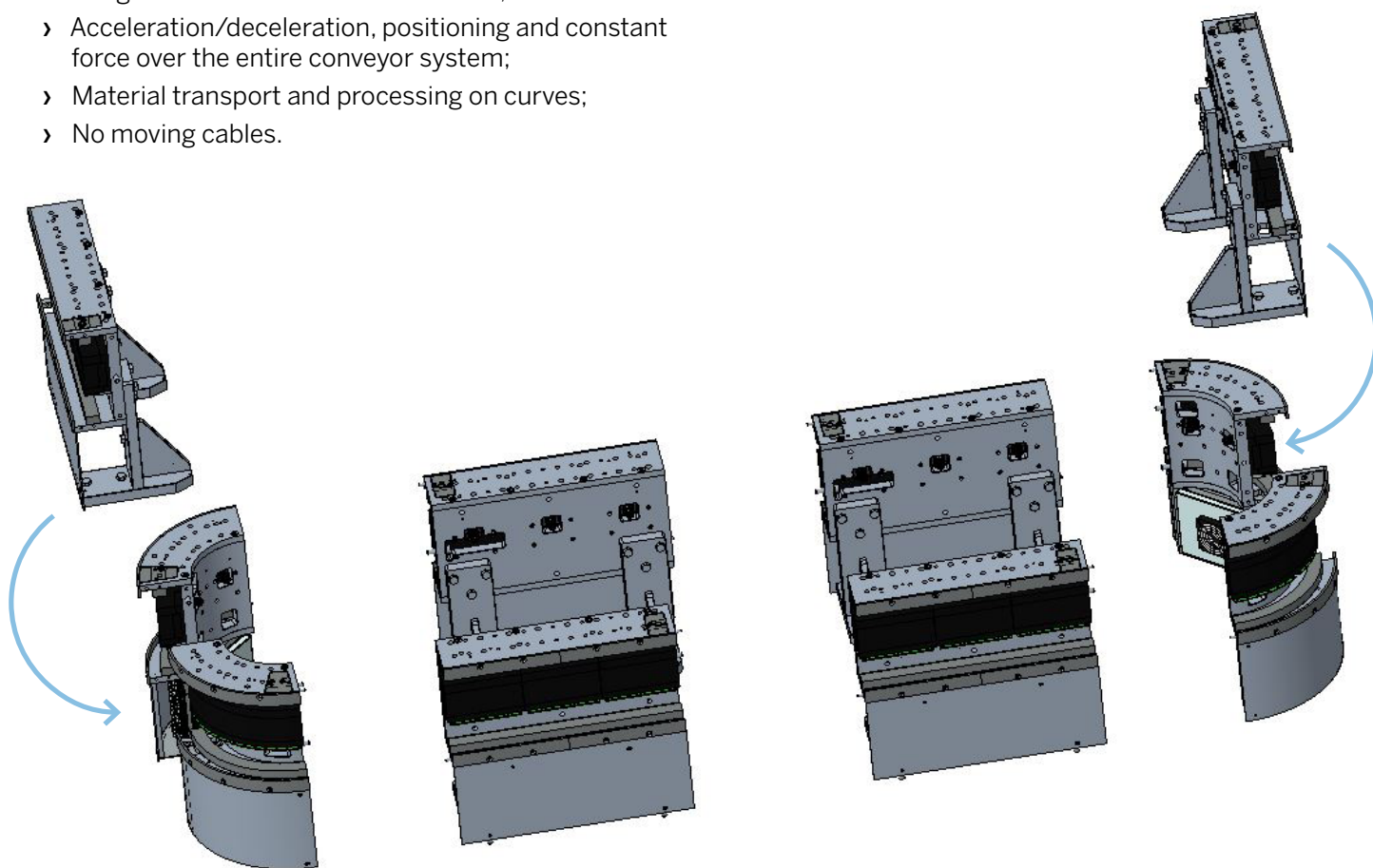
- › Curve radius: 212 mm
- › Module length: 500 mm
- › Pallet length: 120 mm
- › Payload: 15 Kg
- › Maximum acceleration: 15 m/s²
- › Maximum speed: 2 m/s (with max load)
- › Maximum deceleration: 15 m/s²
- › Accuracy < 0,1 mm
- › Repeatability < 0,5 mm
- › Feedback: absolute magnetic encoder
- › Integrated RFID technology in any position
- › STO SIL3
- › 230VAC three phases
- › 1,6 A + (1,2 A each linear meter)

CUSTOMIZED AUTOMATION



MORE FEATURES

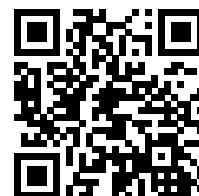
- › Free mobility for one or more carriers;
- › Absolute carriers positioning;
- › Arbitrary system length and carriers number;
- › Individual and synchronized carriers movement;
- › Integrated collision avoidance sensor;
- › Acceleration/deceleration, positioning and constant force over the entire conveyor system;
- › Material transport and processing on curves;
- › No moving cables.

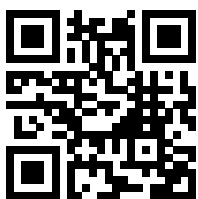


POSSIBLE CONFIGURATIONS:



CONTACTS





A UNO TEC S.R.L. started back in the 80's as designer and provider of solutions for industrial sectors such as Medical, Pharmaceutical, Cosmetics and Food.

In 2005 the Company joined DI QUATTRO Group, today **HDQ S.p.A. Group**, with over 150 employees and 3 productive plants in Mirandola (certainly one of the most important Medical district worldwide). The acquisition boosted the business and A1 started focusing on the Medical field thanks to the specific 20-year experience of designers and technicians.

We are proud to provide smart machines for the assembly of tubing sets and components. We are grateful to the world's leading Medical Companies which prove our growing success.



A UNO TEC S.R.L.

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