

FLEXIBILITY FOR INNOVATORS ONLY



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The Montech logo is displayed in white against a teal background. It consists of the word "MONTECH" in a bold, sans-serif font, with a registered trademark symbol (®) to the upper right of the "H". A stylized white arrow points upwards from the center of the "T".

MONTECH®

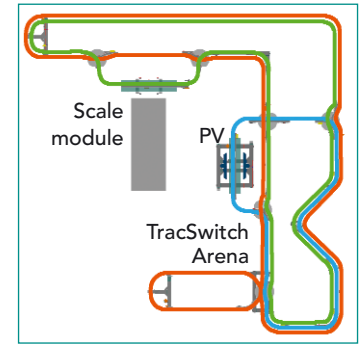
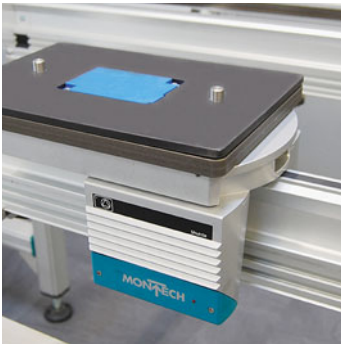
A photograph of a medical device, likely a patient warming unit, with a teal overlay. The device is white and has a large, dark teal rectangular panel on its front. A circular graphic with a crosshair is overlaid on the device, suggesting a focus or target area. The background is a blurred clinical setting.

MONTRAC WITH
RFID-TECHNOLOGY

THE PRODUCT FINDS ITS OWN WAY

«Imagine you are traveling with the underground, and you know where you are going, not the train or the traffic network.»

Alessandro Sibilia, CEO Montech AG






RFID radiofrequency technology is the core of the new development of the Montrac transport system. The innovation is that the route is defined by the carried product and not by the shuttle, as it has been so far. This is how it works: The product lying on the shuttle is provided with a transponder that contains information about the product's route. The transponder is linked to an RFID read/write unit in the shuttle that receives the radio signal. While on the shuttle, the transponder is written through the Intelligent Routing Module (IRM) by means of a serial interface. When the transponder is outside

the Montrac system, it can be written using a standard RFID unit. In the transponder, different information can be stored such as item, serial or production number and working processes. This procedure also ensures an accurate traceability of the production route. With the RFID shuttle, customers can further automate and optimize the material flow.

BENEFITS

- The transported product defines the route along the transport system
- The RFID read/write unit is integrated in the shuttle
- The products can be replaced along the track and still reach the correct destination
- In the transponder, additional information about the transported product (item and serial number, working processes) can be stored

APPLICATION EXAMPLE

-  Product 1: The shuttle travels along the short loop to reach the positioning unit (PV)
-  Product 2: The shuttle travels along the long loop to reach the scale module
-  Product 3: The shuttle travels along the long loop including the external loop via TracSwitch Arena