

# Handling Technology

## Scissor lifting table in floor conveyor.

In partially automated handling procedures different working heights are frequently required on manual mounting sites. To provide each worker with the same ergonomical conditions even under varying mounting conditions for the work piece, the lifting tables can be moved electromechanically.

To increase the productivity of the assembly line production the scissor lifting tables are equipped with a RACO positioning actuator, so that – depending on the work process – each mounting position can be achieved automatically.

As the scissor lift tables are an integral part of a floor conveyor and electric power supply is achieved by means of sliding contacts, an independent control system for each scissor lift table is necessary. This requirement has been met by the application of the RACO electro position cylinder as well.

The intelligent RACO position cylinder consists of a three-phase asynchronous AC motor with frequency converter and electronic bearing regulation. In addition a sensor has been built in for rotor position. Contrary to other drive systems the frequency converters do not have to be installed separately.

By combining the position motor with the thrust-traction unit of the compact electric actuator, RACO offers a cost efficient positioning actuator, the current supply of which only requires 230V AC/50 Hz. As a standard feature the drive is fitted with filters as required by EMV-regulation.

Each parameter and function is recorded in an EPROM. This renders operation independent of a PC, even in case of power failure.



## Technical Data:

TYPE T6E4-IEC  
with RACO's positioning motor  
positioning via digital input

F = 3.8 kN  
v = 50 mm/sec (adjustable from 4 to 120 mm/sec)  
s = 200 mm



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