Functionality solved easily:
Simple positioning application module

MOVITRAC® B frequency inverter
In the future, positioning tasks, such as conveyor and logistics applications, can be implemented easily, economically, and above all in a user-friendly manner. The standard MOVITRAC® B frequency inverter with integrated simple positioning application module combines cost-optimized drive electronics with pre-programmed functionality and ease of use.

Many applications previously realized with rapid/creep speed switch-over with initiator evaluation can now be easily replaced. Instead of conventional encoders, a cost-optimized SEW built-in encoder is used with up to 24 pulses per motor revolution. Direct connection to MOVITRAC® B eliminates the use of expensive encoder cards. Another advantage is the compact design that allows for integration without adding length to the motor. No programming knowledge is required for setting parameters because users are intuitively guided by the IPOS® positioning control with the help of the MOVITOOL® MotionStudio engineering software to enable quick implementation.

Software: Simple positioning application module

**EI7C built-in encoder**

**Requirements**
- DRx or DTx / DVx motor with brake
- Standard MOVITRAC® B inverter with firmware version ≥ x.10
Application example with built-in encoder and simple positioning

MOVITRAC® MC07B
with simple positioning application module and direct connection to DIO.

Standard motor

With integrated E7C built-in encoder: 24 pulses per motor revolution, no extra length.

Application examples:
Applications with replacement of rapid/creep change-over with initiator evaluation, such as rotary tables, hoists or transverse carriages.
Application example with standard encoder

MOVIDRIVE® B with encoder card option

Motor with add-on encoder (incremental encoder)

Motor with absolute encoder (add-on encoder): e.g. 1024 pulses

Application examples:
Applications with high dynamics for exact positioning, such as storage/retrieval units, handling systems, motion control
Overview of benefits

Simple implementation
- User-friendly user interface
  - Intuitive operation
  - Monitor mode for diagnostics
- Guided parameter setting
  instead of complex programming
  - Reduction to the most necessary parameters
  - No programming experience is required
- High level of functionality
  - Bus positioning variant (via SBus)
  - Table positioning variant (using terminals via FIO21B digital module)
- Four operating modes: Jog mode, teach mode, referencing mode, positioning mode
- Software limit switches, limit switches, reference point, machine zero
- High level of integration compared to conventional encoders (no additional motor length)

Wide range of applications
- Material handling technology
  - Trolleys
  - Roller conveyors
  - Rotary tables
  - Simple hoists
- Logistics
  - Transverse carriage
  - Trolleys
  - Format adjustment

Cost-optimized alternative for simple positioning tasks
- Fast system availability thanks to short startup times
- Low encoder costs by using simple encoders or HTL encoders
- Flexible through the possibility of retrofit into existing systems (DR/DT/DV motors with brake)
- No encoder card is required as data is read digitally by MOVITRAC® B
- Fast installation due to prefabricated cables (cable carrier or fixed installation)
SEW-EURODRIVE is right there for you:

Argentina
Phone +54 3327 4572-84
Fax +54 3327 4572-21
sewar@sew-eurodrive.com.ar

Australia
Phone +61 3 9933-1000
Fax +61 3 9933-1003
enquires@sew-eurodrive.com.au

Austria
Phone +43 1 617 55 00-0
Fax +43 1 617 55 00-30
sew@sew-eurodrive.at

Belarus
Phone +375 17 298 38 50
Fax +375 17 298 1898
sales@sew.by

Belgium
Phone +32 16 386-311
Fax +32 16 386-336
info@sew-eurodrive.be

Brazil
Phone +55 11 2489-9133
Fax +55 11 2480-3328
sew@sew.com.br

Canada
Phone +1 905 791-1553
Fax +1 905 791-2999
marketing@sew-eurodrive.ca

Chile
Phone +56 2 75770-00
Fax +56 2 75770-01
ventas@seweurodrive.cl

China
Phone +86 22 25322612
Fax +86 22 25323273
info@seweurodrive.cn

Colombia
Phone +57 1 54750-50
Fax +57 1 54750-44
sewcop@seweurodrive.com.co

Czech Republic
Phone +420 255709601
Fax +420 253500613
sew@seweurodrive.cz

Kazakhstan
Phone +7 727 334 1880
Fax +7 727 334 1881
sew@seweurodrive.kz

Pakistan
Phone +92 2 3495280
Fax +92 2 3495280
seweurodrive.pk

Russia
Phone +7 812 3332522
Fax +7 812 3332523
sew@seweurodrive.ru

Singapore
Phone +65 68621701
Fax +65 68612827
sewsg@seweurodrive.com

Slovakia
Phone +421 2 33595202
Fax +421 2 33595200
sew@seweurodrive.sk

South Korea
Phone +82 31 492-8051
Fax +82 31 492-8056
master.korea@sew-eurodrive.com

Spain
Phone +34 94 3148470
Fax +34 94 3148471
info@seweurodrive.es

Sweden
Phone +46 36 344200
Fax +46 36 344280
info@seweurodrive.se

Switzerland
Phone +41 61 41717-17
Fax +41 61 41717-00
info@imhof-seev.ch

Thailand
Phone +66 28 454281
Fax +66 28 454288
sewthailand@seweurodrive.com

Turkey
Phone +90 262 999 1000-04
Fax +90 262 999 1009
sew@seweurodrive.com.tr