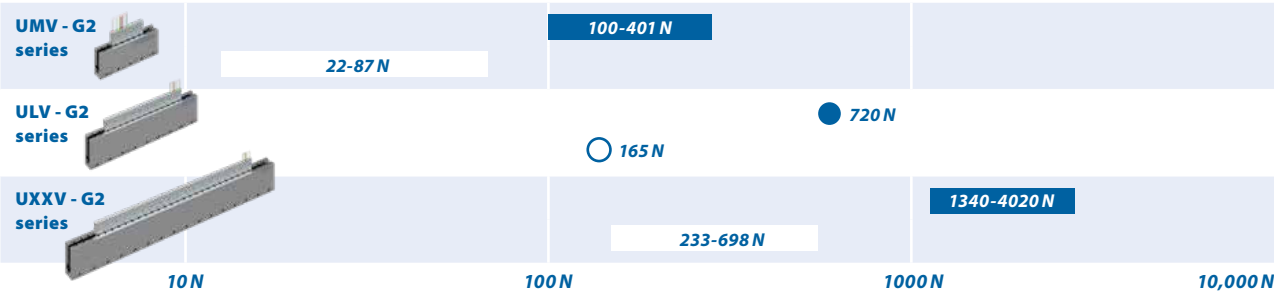


Generation 2 vacuum rated ironless motors

- **Performance** Low thermal resistance for minimal temperature increase | Standard lead wires for flexible mounting
- **Reliability** Fully enclosed design | Extremely low outgassing | Design based on proven experience
- **Safety** Clean movement | Temperature sensors for added safety | In-house cleanroom production



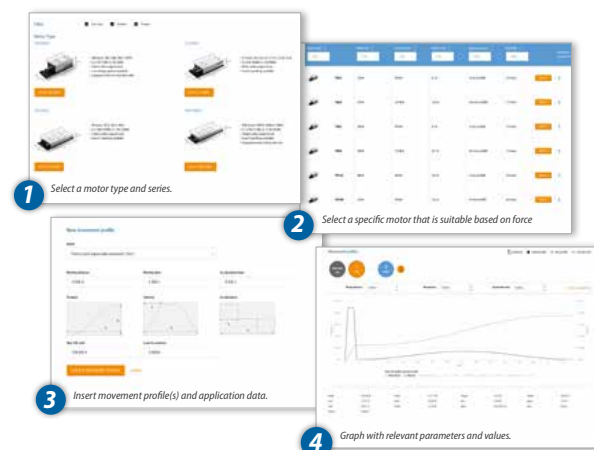
Vacuum rated ironless motor force



Use our online simulation tool to select the best fit

The online simulation tool makes finding the perfect motor for your application straightforward. It will help you select the right kind of direct drive motor in just 4 steps. Figure out which amplifier to use, and create detailed reports containing all critical values and performance graphs. Simulate your drive task, experiment with different scenarios and quickly find the best fit motor.

 www.tecnotion.com/simtool



©2025 Copyright Tecnotion - All rights reserved - The contents of this document are subject to change without prior notice. These materials are protected by exclusive rights owned by Tecnotion or its licensor(s). Tecnotion does not provide any warranty or guarantee regarding these. The materials are for informational purposes only, and may solely be used in accordance with the Content output agreement: www.tecnotion.com/content. Tecnotion excludes any and all liability regarding the (use of the) materials to the maximum extent possible by law.

 www.tecnotion.com/vacuum

TECNOTION®
direct drive in motion

TECNOTION®

direct drive in motion

WE DIRECT DRIVE YOUR MOTION TECHNOLOGY

Tecnotion's worldwide support and manufacturing network

Tecnotion Headquarters

Newton 10
7609 RR Almelo
The Netherlands

Tel. +31 (0)546 536 300
Fax +31 (0)546 536 380
sales@tecnotion.com

Tecnotion N-W Europe

Newton 10
7609 RR Almelo
The Netherlands

P.O. Box 23, 7600 AA Almelo
The Netherlands
Tel. +31 (0)546 536 300
sales@tecnotion.com

Tecnotion East Europe

Ul. Ryzowa 49
02-495 Warsaw
Poland

Tel. +48 606 544 046
info@tecnotion.pl

Tecnotion D-A-CH

Heimeranstraße 37
80339 Munich
Germany

Tel. +49 89 381537-400
Fax +49 89 381537-409
info@tecnotion.de

Tecnotion Rep. of Korea

Room #909,
DongJin IT Tower,
30, Sangwon 12-gil
Seongdong-gu
Seoul South Korea

Tel. +82 (0)10 4540 5599
korea@tecnotion.com

Tecnotion USA

83 Wooster Heights Road,
Suite 125
Danbury, CT 06810
United States

Tel. +01 (631) 983-2833
salesusa@tecnotion.com

Tecnotion China

Building 15
369 Lushan Road
SND NEP, Suzhou
China

Tel: +86-512-68760183
sales@tecnotion.com.cn

www.tecnotion.com

Motor portfolio

Torque motors

- › Tecnotion torque motors have the highest torque density in the market
- › Torque motors are approved for CE, UKCA, CSA (UL), REACH and RoHS
- › Low cogging value, low total harmonic distortion (THD)
- › Reduced mechanical complexity
- › Available in low voltage and high voltage
- › Lower thermal resistance



Iron core linear motors

- › High force density: lowering footprint and fits better in small spaces
- › Low cogging
- › Iron core motors are approved for CE, UKCA, CSA (UL), REACH and RoHS
- › Aluminum housed design
- › Robust design

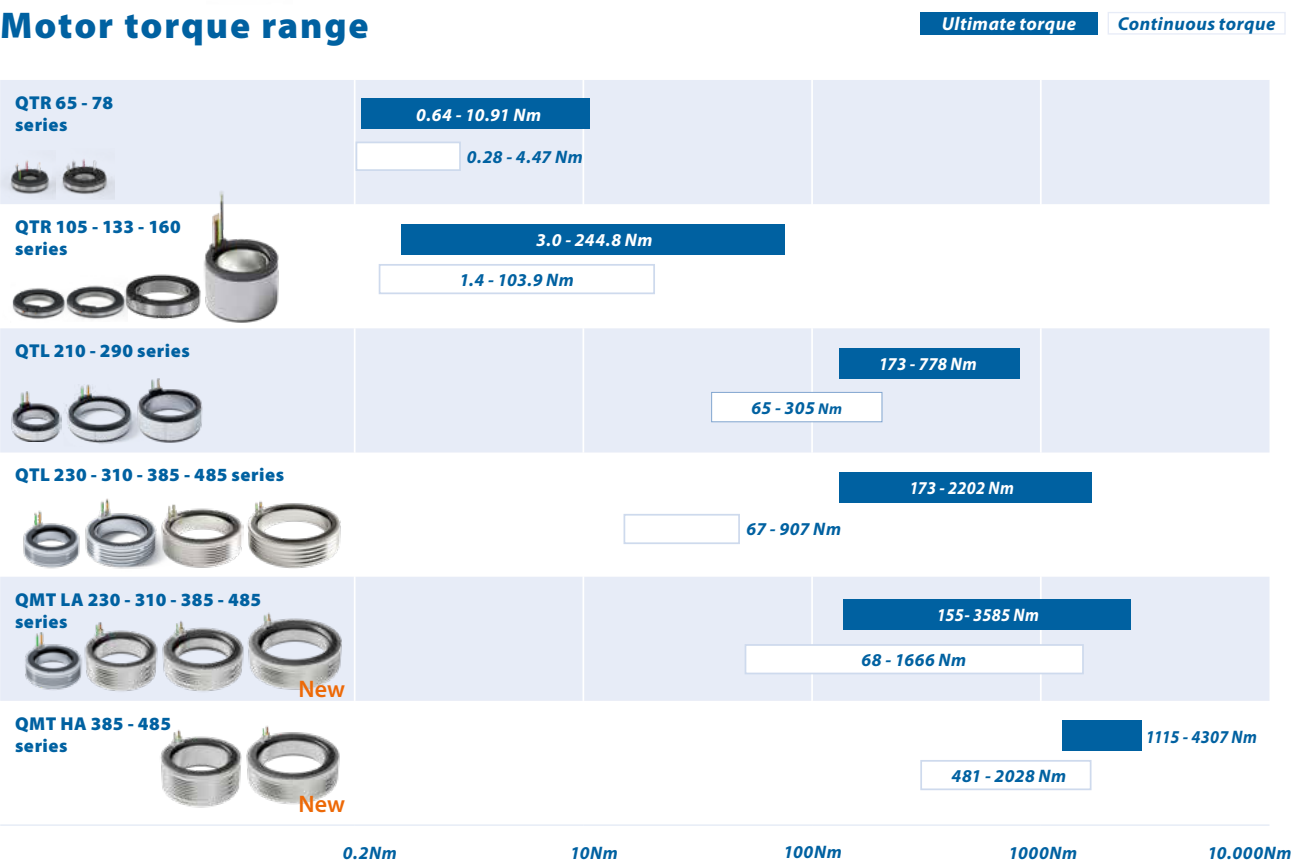


Ironless linear motors

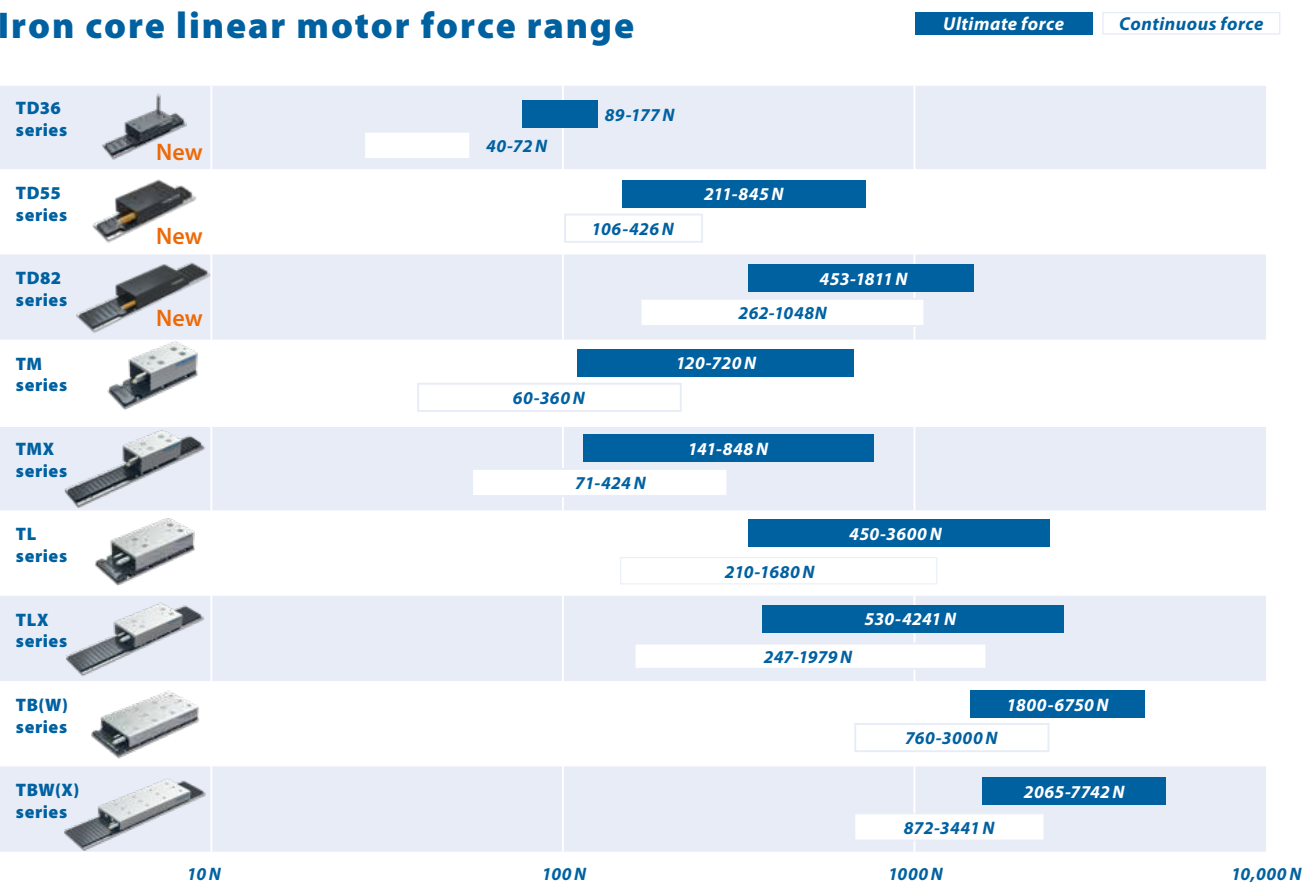
- › High acceleration and dynamics
- › No cogging, extremely low force ripple
- › High positioning accuracy and repeatability
- › Approved for CE, CSA (UL), REACH and RoHS
- › Low thermal resistance



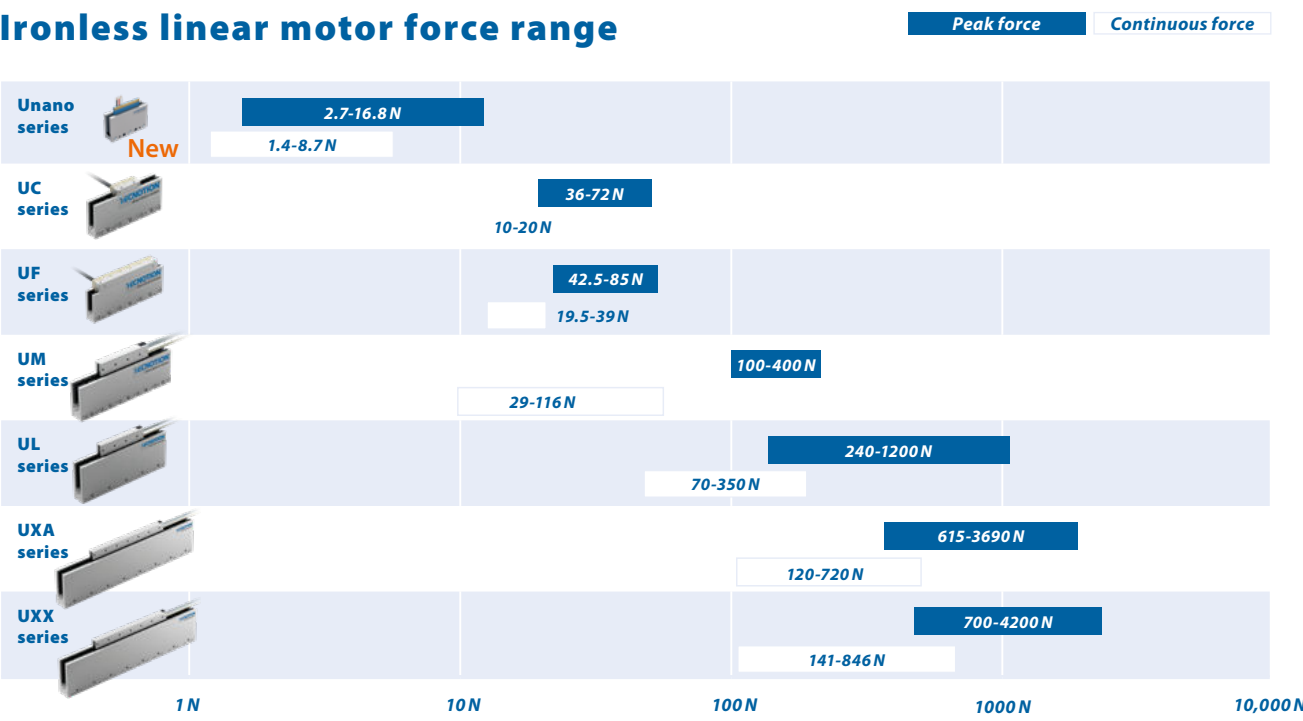
Motor torque range



Iron core linear motor force range



Ironless linear motor force range



Contact us for customized solutions, if our standard motors do not meet your needs.



www.tecnotion.com/torque



www.tecnotion.com/ironcore



www.tecnotion.com/ironless