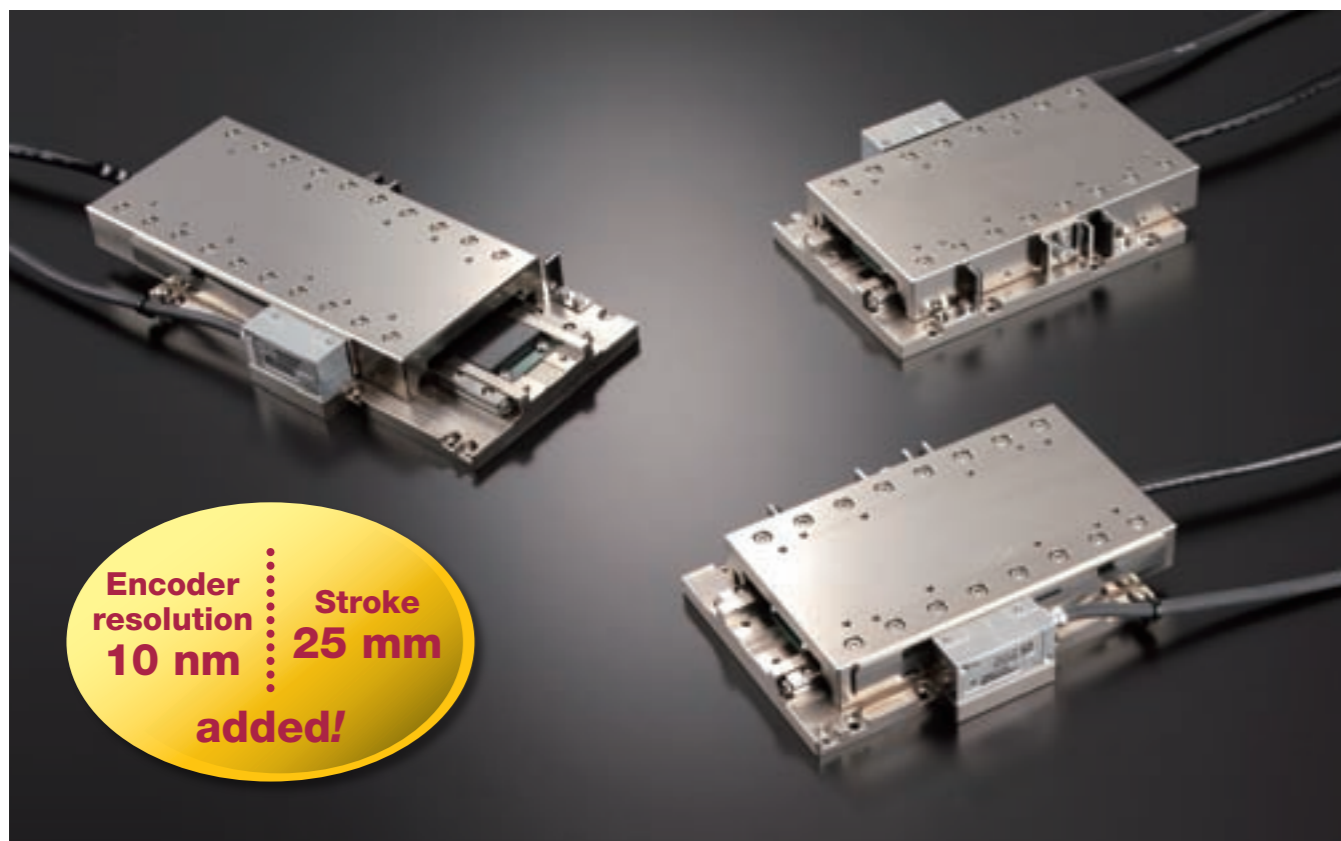


Nano Linear NT NT...H



Encoder resolution 10 nm **Stroke 25 mm**
added!

NT...H is a linear motor driven positioning table that has realized high rigidity, smooth motions and positioning accuracy and running straightness below 1µm, comparative with air bearing by using built-in rack and pinion crossed roller way. Specification of resolution 10 nm and stroke 25 mm is added and more accurate positioning and higher speed stability are realized.

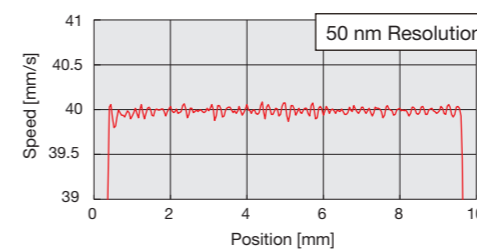
>>> Nano Linear NT88H Basic Specification

	High accuracy type NT...H			
	NEW NT88H25		NT88H65	
Model and size				
Sectional shape				
Maximum thrust N	NEW 25		25	
Rated thrust N	5		5	
Maximum load mass kg	5		5	
Effective stroke length mm	25		65	
Resolution µm	0.01	0.05	0.01	0.05
Maximum speed mm/s	90	400	90	400
Positioning repeatability µm	±0.1		±0.1	

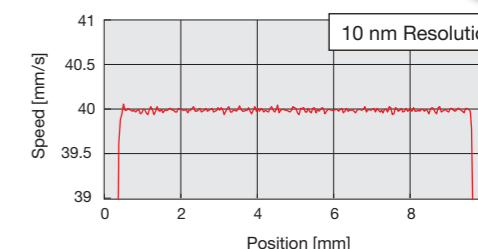
Features

1 Superior speed stability

Speed stability at 40 mm/s achieved from $\pm 0.27\%$ → $\pm 0.14\%$!



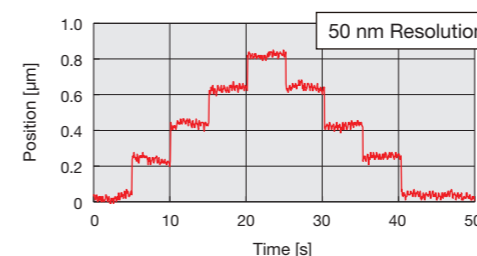
Performance UP!



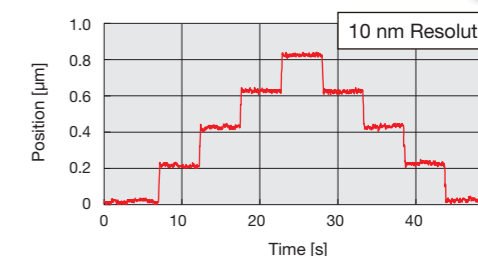
NEW

2 Excellent following response and high accuracy positioning

Even with 0.2 µm step, **accurate step realized!**



Performance UP!



NEW

>>> Example of Identification Number

NT / **88** / **H** / **25** / **05** / **L**

① ② ① ③ ④ ⑤

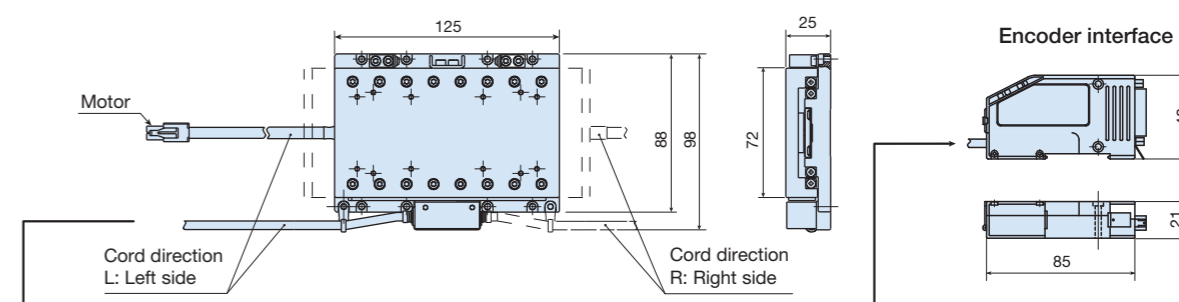
① Model	NT...H
② Size	88 Width 88 mm
③ Stroke	25 25mm NEW 65 65mm

④ Resolution of linear encoder	01 0.01µm NEW 05 0.05µm
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⑤ Cord direction	L Left side R Right side
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Select from the cord direction indicated in Fig. 1.
(direction for pulling out a cord when placing an encoder on the lower side)

>>> Dimensional Figure



Remark: For dimensional figure of NT88H65 and other detailed dimensions of NT88H25 refer to CAT-1556E.

Fig. 1 Dimensional figure of NT88H25