

Unique automations with highest accuracy and stability

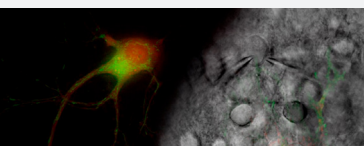
Slim and modular - yet fully motorized
and integrated for ease of use

Large positioning range with 4 nm
resolution closed-loop control

Ultra stable with smooth movement -
minimum vibrations at any speed

Automation ready – short latency PC
interface through open-source SDK
and Python wrapper

Wide support for imaging techniques -
compatible with all Nikon
and selected 3rd party options



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uMs microscopes

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uMs-FN1 Upright microscope with motorized focus and 2-position objective changer

Stand:	Customized Nikon FN1
Focus range:	40 mm
Resolution / repeatability:	4 nm / 100 nm
Dimensions:	428 x 170 x 351 mm

Bottom part with transmitted light illumination can be detached for in vivo work

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uMs-MCU Motor controller

- Controls uMs-MXY translator and uMs-FN1 focus (closed-loop), as well as uMs-OBJ objective changer
- Ethernet interface for Sensapex controllers and PC control

Dimensions: 150 x 74 x 49 mm

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uMs-FXY Fixed stage

Adjustable height:	183 - 213 mm
Leg foot print:	32 x 113 mm
Stage top size:	500 x 419 mm

Metric thread pattern with pre-defined locations to install 1-8 uMp manipulators

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uMs-MXY Motorized translator

Positioning range:	120 x 85 mm (XY)
Resolution / repeatability:	4 nm / 100 nm
Max. speed:	10 mm/s
Dimensions:	445 x 380 x 50 mm

Metric and imperial table mounting supported

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uMs-BRE Microscope bridge

Dimensions: 503 x 400 x 66 mm

Tailored for uMs-FN1. *Ask about other microscope models*

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Motorized XY-stage bundle

Positioning range:	120 x 85 mm range
Resolution / repeatability:	4 nm / 100 nm
Max speed:	10 mm/s

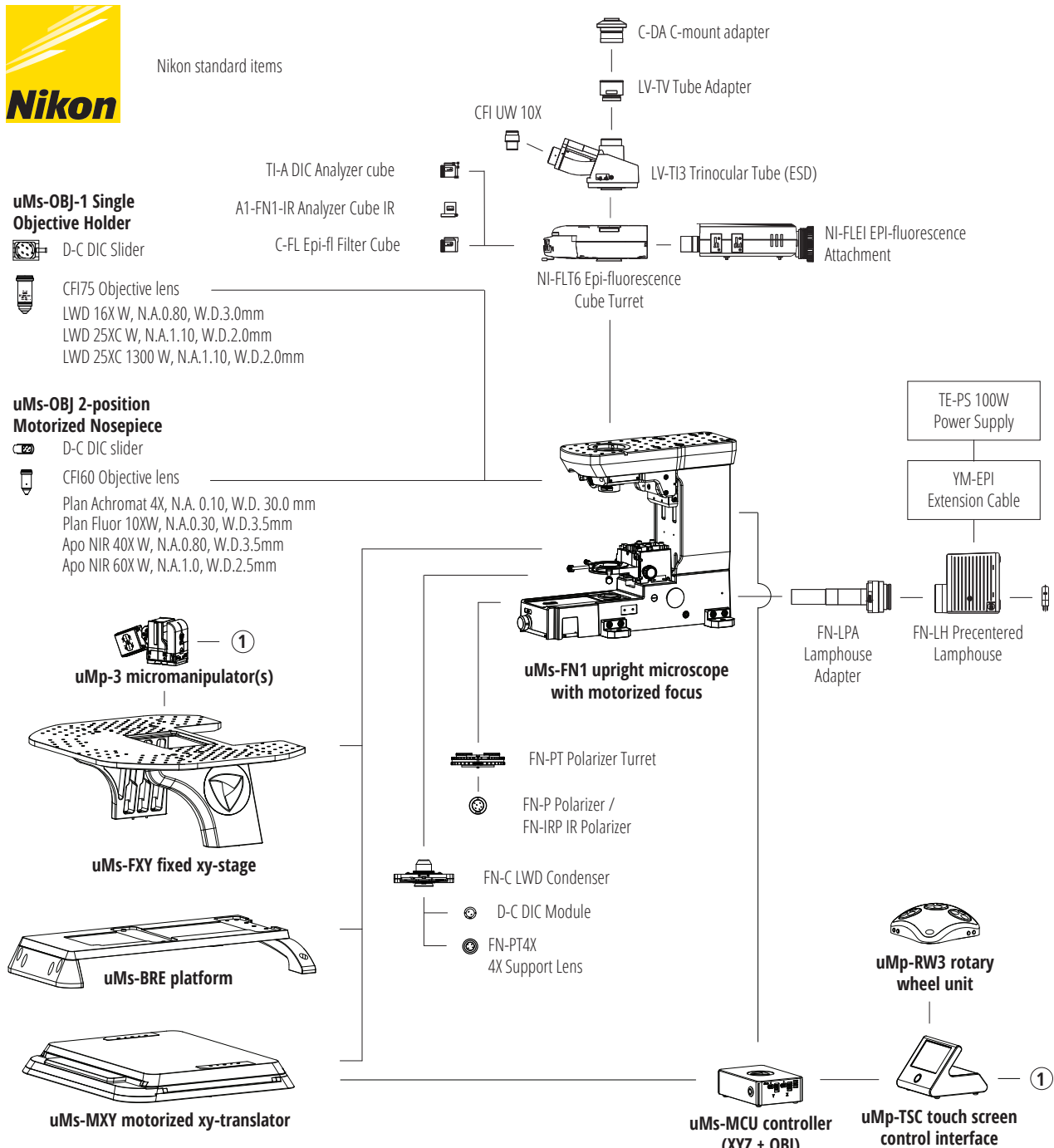
Metric thread pattern with pre-defined locations to install 1-8 uMp manipulators

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Product diagram

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