



shaping the future of optics

Optotune

Comparison of scanning technologies

2018

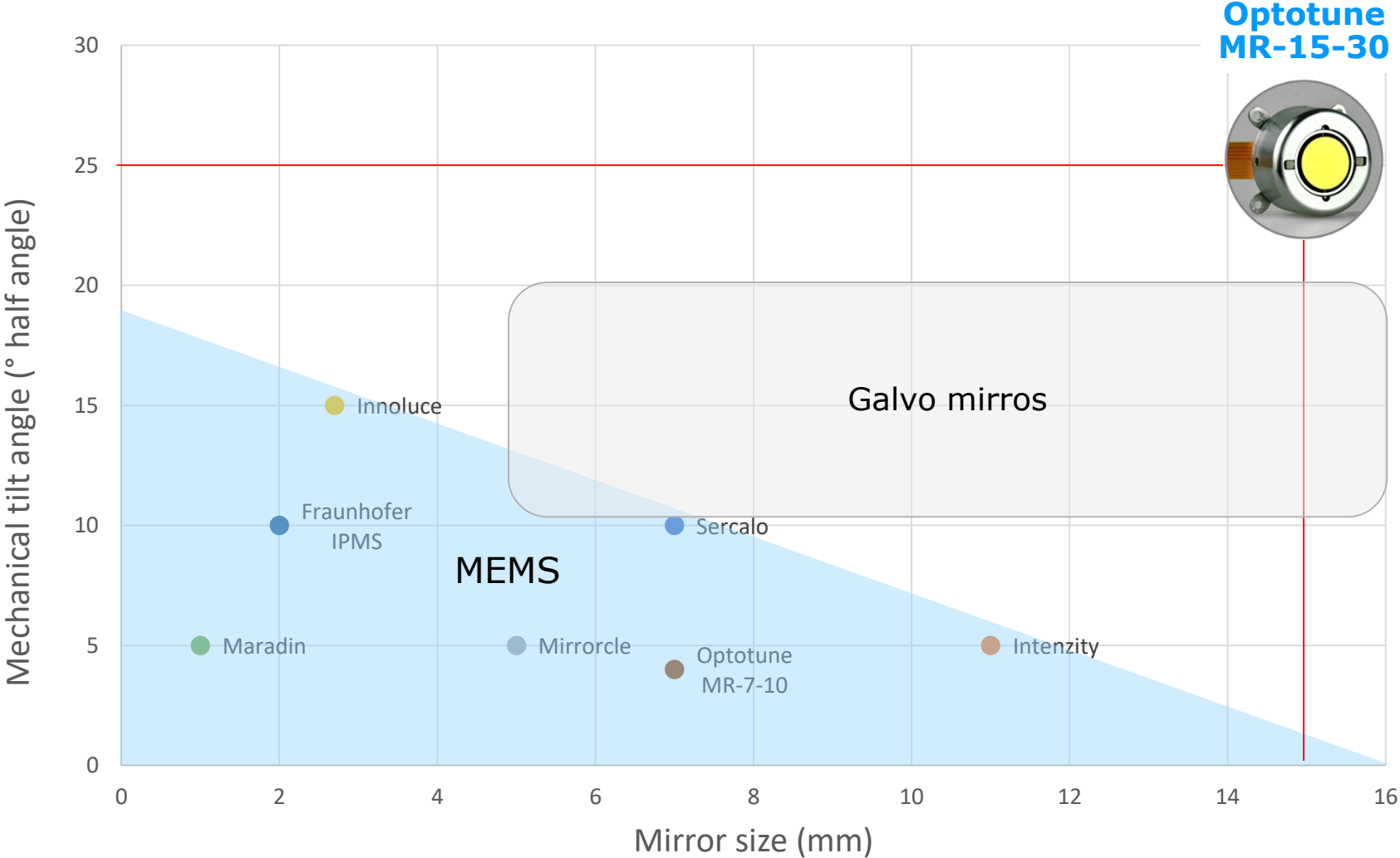
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Tilt vs Mirror size – competing technologies



The MR-15-30 has exceptionally large tuning angle and mirror size!



VCM in comparison to MEMS and Galvo



Scanning technologies	Angular range	Mirror size	Compactness	Real 2D	Accuracy	Speed	Robustness	Optical quality	Thermal operating range	Special packaging	Power consumption
VCM (Voice-coil mirror) 	●	●	◐	●	●	◐	●	●	●	●	◐
MEMS	○	○	●	●	◐	●	◐	◐	●	○	●
Galvo	◐	●	○	○	●	◐	◐	●	●	●	○

Source: Press & internet research

Competitive advantage:



Low



Medium



High

