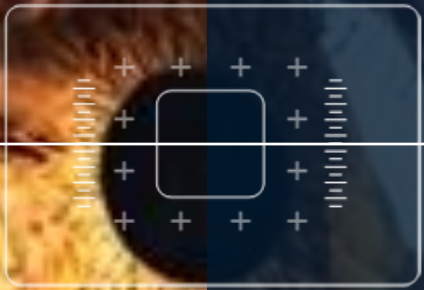


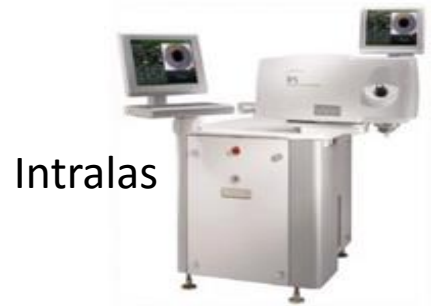
Advantages of Femto Cornea Laser R1

Excelsius Medical GmbH



Femto Cornea Laser

Competition



Intralas



Excelsius



Ziemer



Zeiss



Alcon/Wavelight

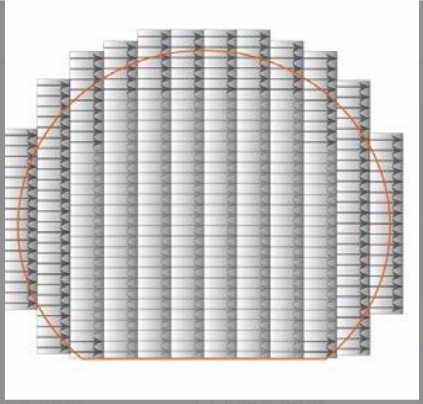

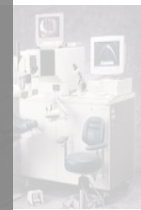
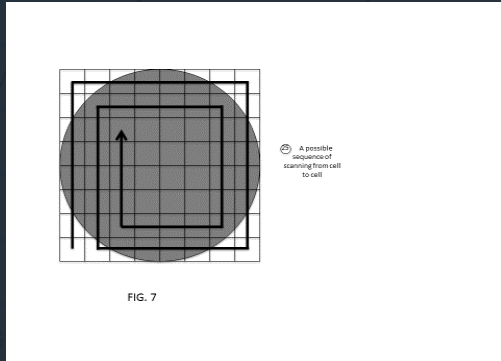
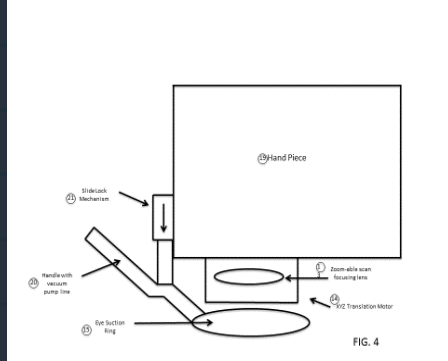


B&L/Femtek

Femto Cornea Laser Competition

Company	Excelsius	Ziemer	Zeiss	Intralase	Alcon/ Wavelight	B&L/ Femtek
Product	Femton R1	Z6	VisuMax	iFS	fs2000	Victus
Country	Germany	Swiss	Germany	US	Germany	Germany
Optical path	Flexible arm	Flexible arm	Fixed arm	Fixed arm	Fixed arm	Fixed arm
Spot size Frequency	2um 800KHz	2um 20MHz	2um 500KHz	5um 150KHz	4um 200KHz	5um 160KHz
Ablation Resolution	3um	800umx3um	3um	7.5um	6um	7.5um
Energy level	Low	High total deposited power	Low	High	High	High

Competition – Grid Matrix algorithm vs Line Scan (Ziemer)

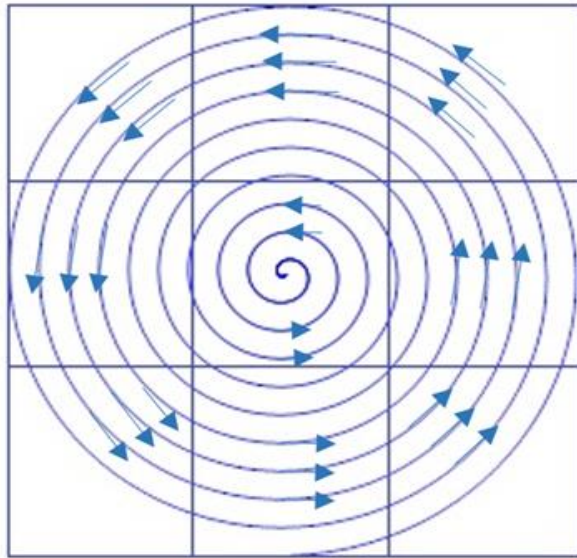
Company	Ziemer's Femtosecond Laser	Carl Zeiss Alcon Bausch & Lomb NIDEK
System	 	<p>Line scanning pattern requires rotation compensation to ensure alignment and One piece suction ring Design need second alignment</p> 
Technology	<p>Excelsius's Femtosecond laser</p>  	<p>1. Flying spot 2. Random algorithm 3. Mobile A 4. Parallel beam 5. Random algorithm</p> <p>1. Flying spot 2. Random algorithm 3. Divergence scan 4. Eye tracker</p> <p>Line scan, segment beam</p>
Machine Size	1 M x 0.7 M	2 M x 1 M x 1.5 M 2 M x 1 M x 1.5 M
Machine Flexibility	N	N
Eye Tracker	N	Y
Spherical aberration	N	Y
User Friendliness	Private	Normal
Cost (USD)		50,000
Useful life of Laser		4

Grid Matrix does not require rotation compensation and intuitive hand piece and suction ring connecting method simplify the operation

Competition – Excelsius vs Zeiss

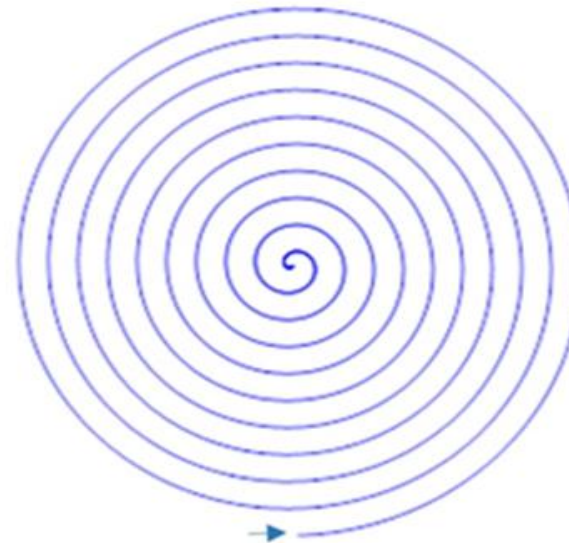
- How to do “SMILE” by both approaches.

Excelsius



Concentric ring divided
By cells with 3D

Zeiss



Concentric ring with 3D