

## Competitive comparison Uterine manipulator

Company	delmont imaging	STORZ KARL STORZ—ENDOSKOPE						<u>©operSurgical</u>		THT  bio-science
Product name	Mangeshikar	Keckstein	Clermont -ferrand	Hohl	Tintara	Donnez	SecuFix	RUMI II	Advincula Arch	Hystero-swing
Reusable	<b>/</b>			<b>/</b>			×	×		<b>/</b>
Single use part	1	1	1	1	1	I	Transillumina- tion cap and vacuum tube	Caps and intra-uterine inserts		1
Number of as- sembly steps	6	7	7	5	4	4	5	3		7
Available caps	3	4	3 Blades	4	No cap	3	1 «Multi-pur- pose»	4		3
Available intra-uterine inserts	7	3 spiral inserts 6 working inserts	7	3 spiral inserts 9 working inserts	7 working inserts	3	1 (adjustable lenght)	6		5
Uterus fixation system	Pozzi forceps	Screw with spiral insert	Cervical screw	3 spiral inserts	Pozzi forceps	Insert	Vacuum	Balloon		Cervical screw
System for vaignal sealing	Vaginal cap	Silicone seals		Vaginal cap	Insert body	Vaginal cap	Vaginal cap	Intrauterii	ne balloon	Manipulator body
Sealing after removal of the uterus	<b>/</b>			×			×	>	<	×



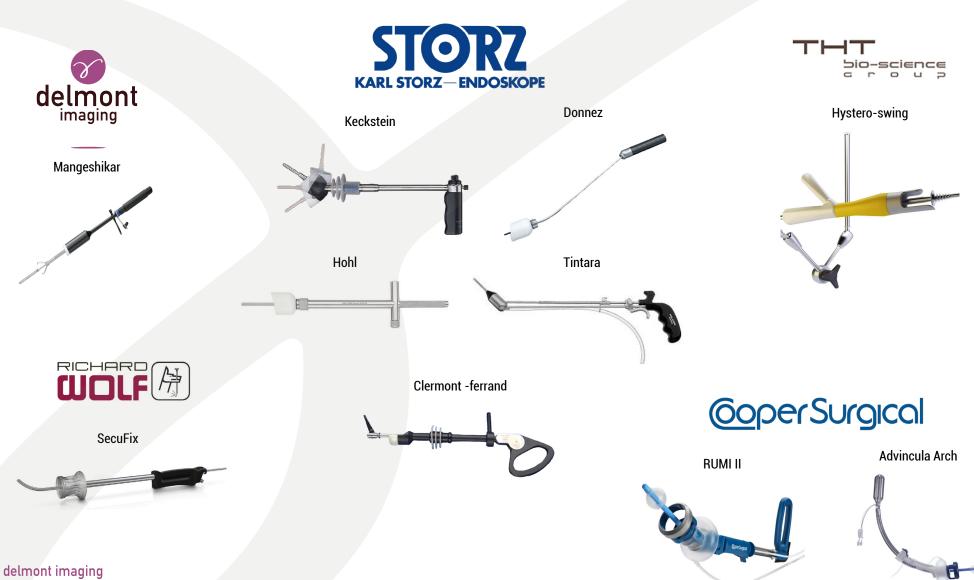
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Blue test cannula	×	×	<b>/</b>		X		×	~		×
Handle with mecanical rotation of the intra-uterine insert	×	•		>	<	<b>/</b>	×	<b>✓</b>		×
Overall manipulator handling (Ante + Retro)	Good	anteversion 95°, retrover- sion 30°, main- tains conti- nuous blocked angulation	Medium (5 stop positions from 0 to 90°)	Good	Good	Medium	Good	90° antever- sion, 50° retro- version, main- tains blocked angulation	Good (Manual anteversion and retroversion)	Good
Quality of the highlighting of the cutting area	Very good (whi	Very good (white ceramic ring)		Very good (white ceramic ring)	Bad (no cap)	Very good (white ceramic ring)	Very good (transillumina- tor)	Good		Medium (blade and no cap)
Resistance to cutting	Good (white ceramic ring)		NA. Blade and no cap	Good (white ceramic ring)	Good	Good (white ceramic ring)	Medium (plas- tic)	Medium (plastic)		NA. Blade and no cap



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