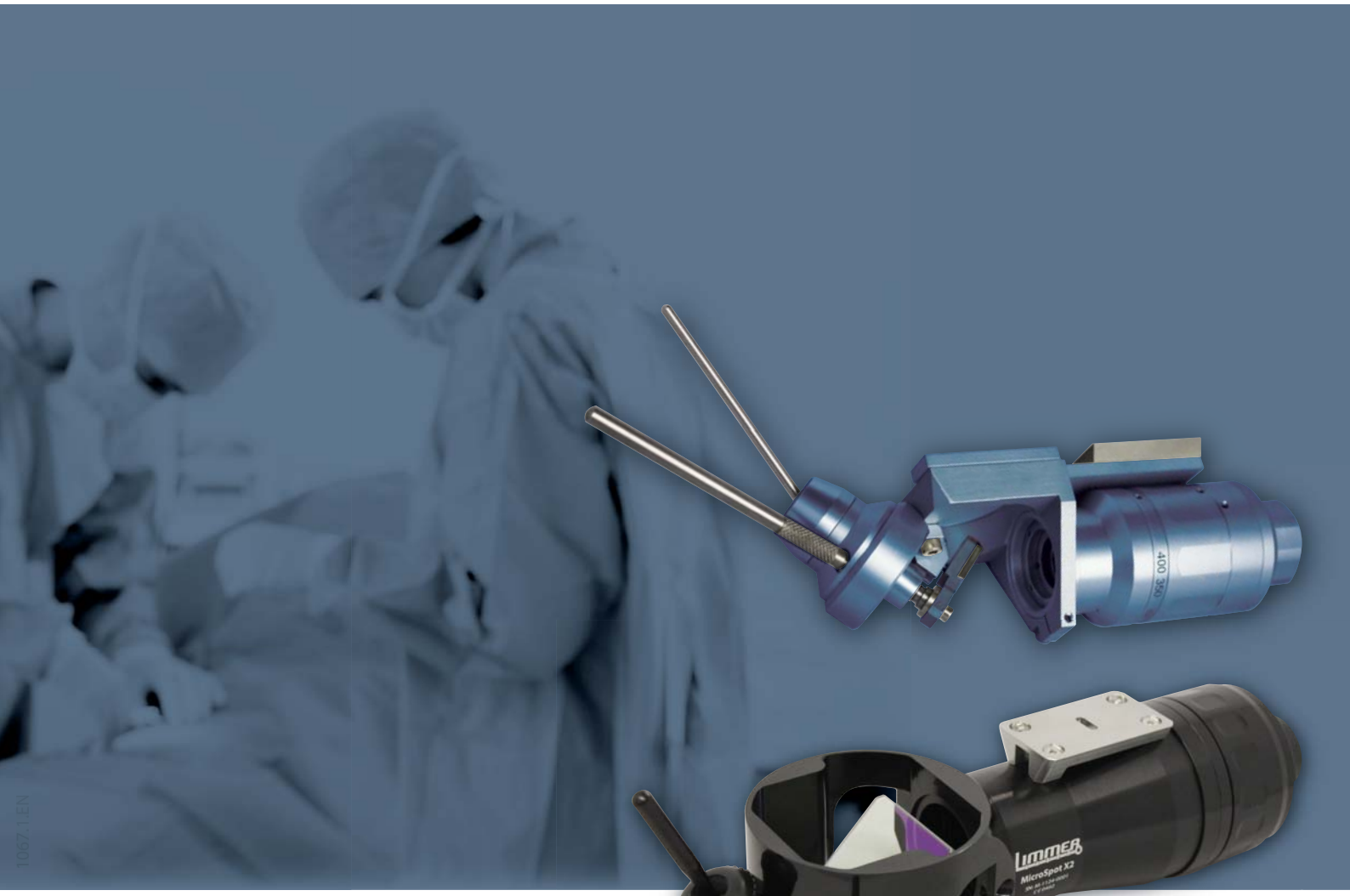
MiniSpot & MicroSpot X2

Micromanipulators

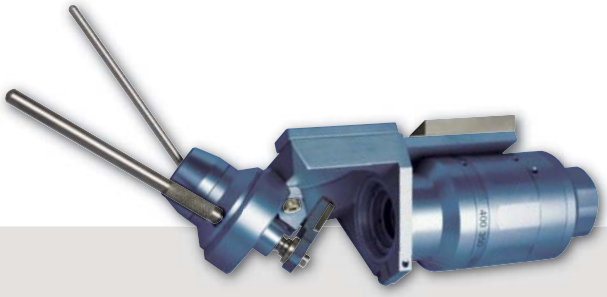


Maximum Laser precision with
microscopes and colposcopes

LIMMER LASER

Maximum Laser precision with microscopes and colposcopes

Working distance	Focussed spot size	Max. defocussed spot size
f = 200 mm	0.320 mm	3.84 mm
f = 250 mm	0.450 mm	5.40 mm
f = 300 mm	0.530 mm	6.36 mm
f = 350 mm	0.610 mm	7.32 mm
f = 400 mm	0.740 mm	8.88 mm



Micromanipulator MiniSpot

Designed for a basic range of microscopic and colposcopic treatments.

Main Advantages

- Seamless adjustment of focal length between 200 - 400 mm
- Hand support freely adjustable between 0 - 360 °
- Prepared for use with Scanner SurgiScan for a rapid, superficial and seamless tissue ablation (e.g. for dysplasia treatments)

Typical Applications

- **Gynaecology** (e.g. condylomata, dysplasia)
- **General Surgery**
- **Proctology** (e.g. haemorrhoids)

Micromanipulator MicroSpot X2

Designed for maximum beam precision and performance with microscopes.

Main Advantages

- Seamless adjustment of focal length between 200 - 600 mm with instant coagulation control by a defocussing lever
- Adjustable between ultra-precise spot sizes of down to 0.1 mm for cutting and rapid large area coagulation of up to 9.5 mm
- Perfect alignment of pilot and working beam at all times, with better sight on tissue by a transparent redirecting mirror
- Can be used with all surgical microscopes, optimized for both right and left handed surgeons
- Compatible with Scanner SurgiScan X2 for extremely thin, athermic tissue cutting and ablation by defined patterns

Typical Applications

- **ENT** (e.g. stapes treatments, vocal folds surgery, laryngeal surgery, etc.)
- **Neurosurgery** (spinal tumors, etc.)
- **Eye surgery**

Recommended for all treatments which require maximum surgical precision at **smallest spot sizes** and **minimal collateral damages** to surrounding tissue.

Scanner patterns of micromanipulator MicroSpot X2 in combination with optional Scanner SurgiScan X2, e.g. for stapes & larynx surgery.

Working distance	Focussed spot size	Lever-defocussed spot size
f = 200 mm	0.100 mm	2.5 mm
f = 300 mm	0.125 mm	3.5 mm
f = 400 mm	0.150 mm	4.6 mm
f = 500 mm	0.159 mm	5.1 mm
f = 600 mm	0.170 mm	5.6 mm

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