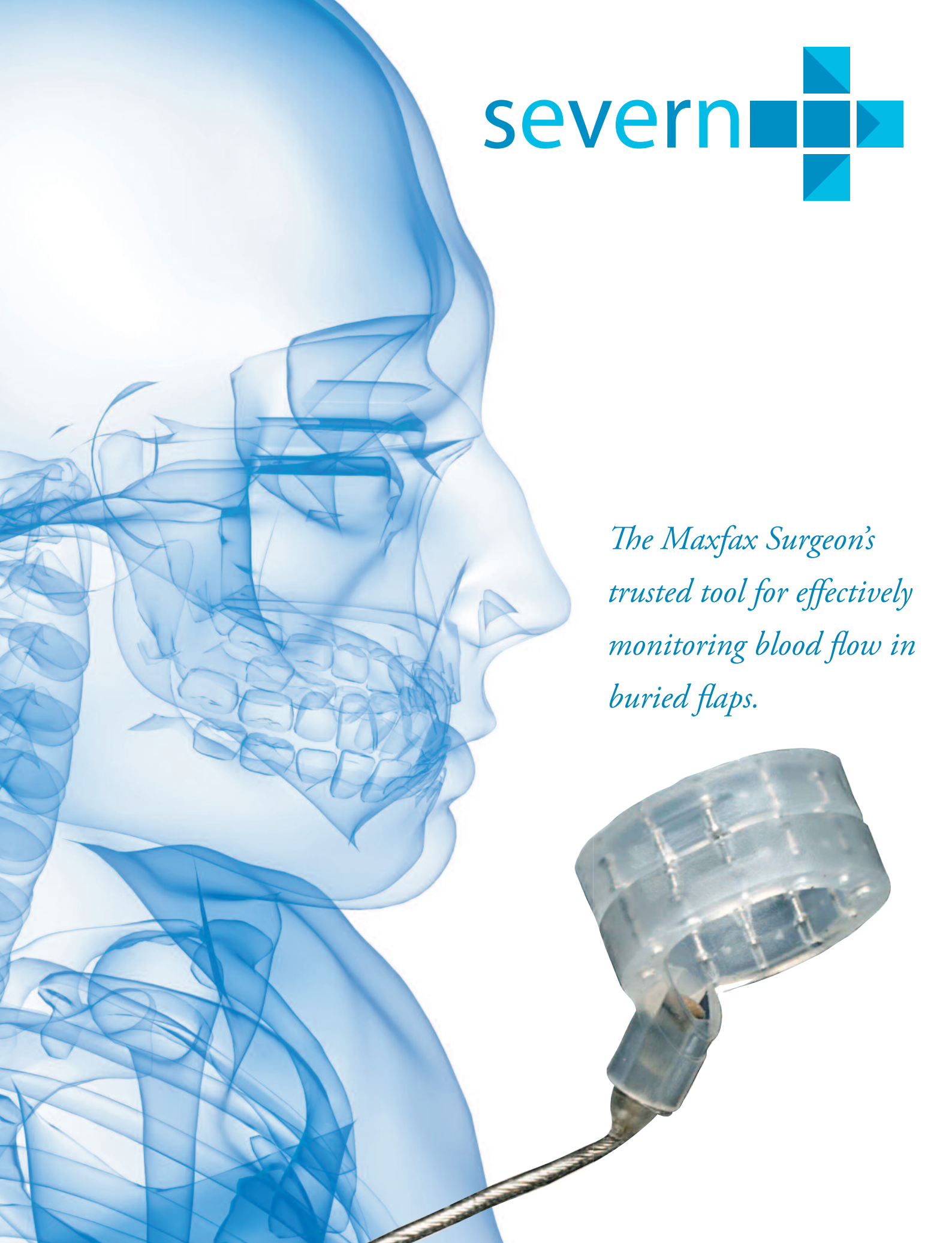




*The Maxfax Surgeon's
trusted tool for effectively
monitoring blood flow in
buried flaps.*



The GEM FLOW COUPLER

FLOW COUPLER®

ADVANTAGES

- Potential reduction in length of stay in hospital and complications
- Single system combining mechanical anastomosis with Doppler technology
- Can shorten length of surgery leading to less staff overruns
- Early warning of flap ischaemia
- Potentially reducing failed flaps
- Greater signal accuracy of blood flow due to probe housing being integrated into COUPLER ring
- Wire easily removed following monitoring period

WHAT IS FLOW COUPLER?

The GEM™ FLOW COUPLER® Device and System is the marriage of two trusted technologies: the GEM™ COUPLER™ and a 20MHz Ultrasonic Doppler.

The FLOW COUPLER has been specifically designed for use in end-to-end anastomosis for the detection of blood flow in order to confirm vessel patency intra and postoperatively at the anastomotic site.

THE BENEFITS



In head and neck free flap surgery where flaps can be buried, FLOW COUPLER gives peace of mind by audibly monitoring blood flow directly from the point of anastomosis. It also provides early warning signals of reduced or slowing blood flow.

MATERIAL

Flow COUPLER rings are made of high density polyethylene and surgical grade stainless steel pins with a Teflon coated doppler probe. FLOW COUPLER rings are available in 2mm, 2.5mm, 3mm, 3.5mm and 4mm. The NEW IMPROVED second generation insulated silver-coated copper coaxial lead wire is less sensitive to noise and signal interference.

RAPID DETECTION

- Monitoring of the outflow vein of the flap will detect cessation of venous flow almost immediately
- Interruption of arterial flow will cause a near-immediate loss of the venous Doppler signal
- Venous monitoring clearly offers a distinct advantage over arterial monitoring with regard to detecting venous thrombosis and simultaneously serves as a monitor of arterial flow.

EVIDENCE

Several large studies have documented the simplicity and dependability of this device in both end-to-end anastomoses, in various parts of the body.



FLOWCOUPLER®

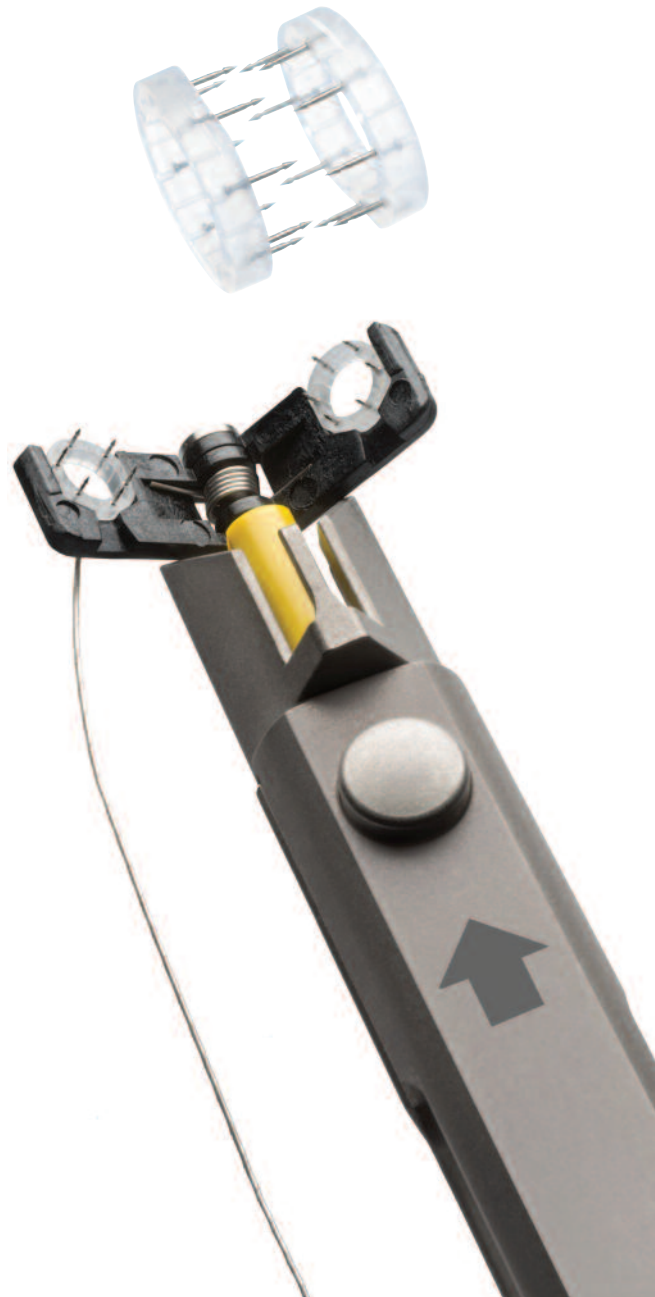
GEM COUPLER

- GEM2741CC **Complete Synovis set including each of the following components:**
- GEM2740 Reusable titanium tipped anastomotic instrument
 - GEM2745 Anodised aluminium sterilisation/storage tray
 - GEM2749 Stainless steel vessel measuring gauge
 - GEM4183C COUPLER forceps, 18cm for everting vessel

GEM FLOW COUPLER

- GEM1020M FLOW COUPLER monitor
- GEM1010UK UK power supply and cord
- GEM1003EXT-FC External lead
- GEM2760-HH Intraop Doppler
- GEM2752-FC FLOW COUPLER 2.0mm
- GEM2753-FC FLOW COUPLER 2.5mm
- GEM2754-FC FLOW COUPLER 3.0mm
- GEM2755-FC FLOW COUPLER 3.5mm
- GEM2756-FC FLOW COUPLER 4.0mm

COUPLER™



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