

INTEGRA 3 MICROMANIPULATOR





“Using the Integra 3 system we have seen a huge 20% increase in positive pregnancy outcomes after ICSI and embryo quality is consistently good. The improved temperature control over the objective during the ICSI procedure, as a result of the Thermosafe system, is a significant factor.”

**Dr Steve Green**  
Origin Fertility Belfast,  
Northern Ireland



# INTEGRA 3™

The World's Most Advanced Micromanipulation System

## ✓ NO COLD SPOTS

Thermosafe maintains sample temperature with a gentle stream of warm air under the Petri dish

## ✓ ACCURATE

New extra-fine mechanisms for smooth and precise movement of the stage and micropipettes

## ✓ SUPER-FAST

Improved rapid micropipette set-up with one-step angle adjustment

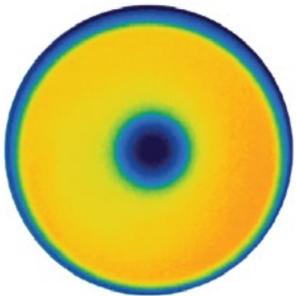


# INTEGRA 3™ FEATURING THERMOSAFE™

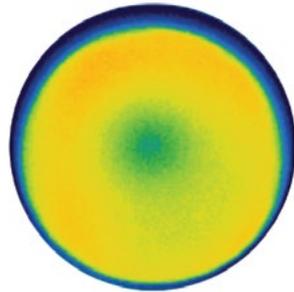
## FEATURING THERMOSAFE

The new Integra 3 features the revolutionary Thermosafe which, by passing a gentle stream of air under the Petri dish, maintains sample temperature across the dish. A 3.5 inch colour touch screen display allows you to check and control temperature and track procedure time. The thermal images below, taken with a 40x objective in place on an inverted microscope, display the cooling effect of the objective in the centre of the dish with and without Thermosafe.

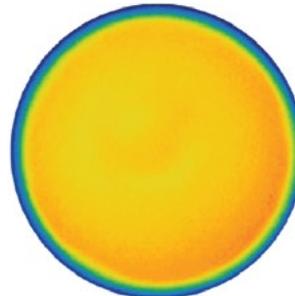
Dish surface when placed on heated metal plate **without Thermosafe**



Dish surface when placed on market leading glass ITO **without Thermosafe**



Dish surface when placed on heated metal plate **with Thermosafe**



Put simply, Thermosafe is an integral heating system that helps to keep samples at the optimum temperature.

The result is no more cold spots, no more hot spots or ambiguity.

## ✓ PRACTICAL

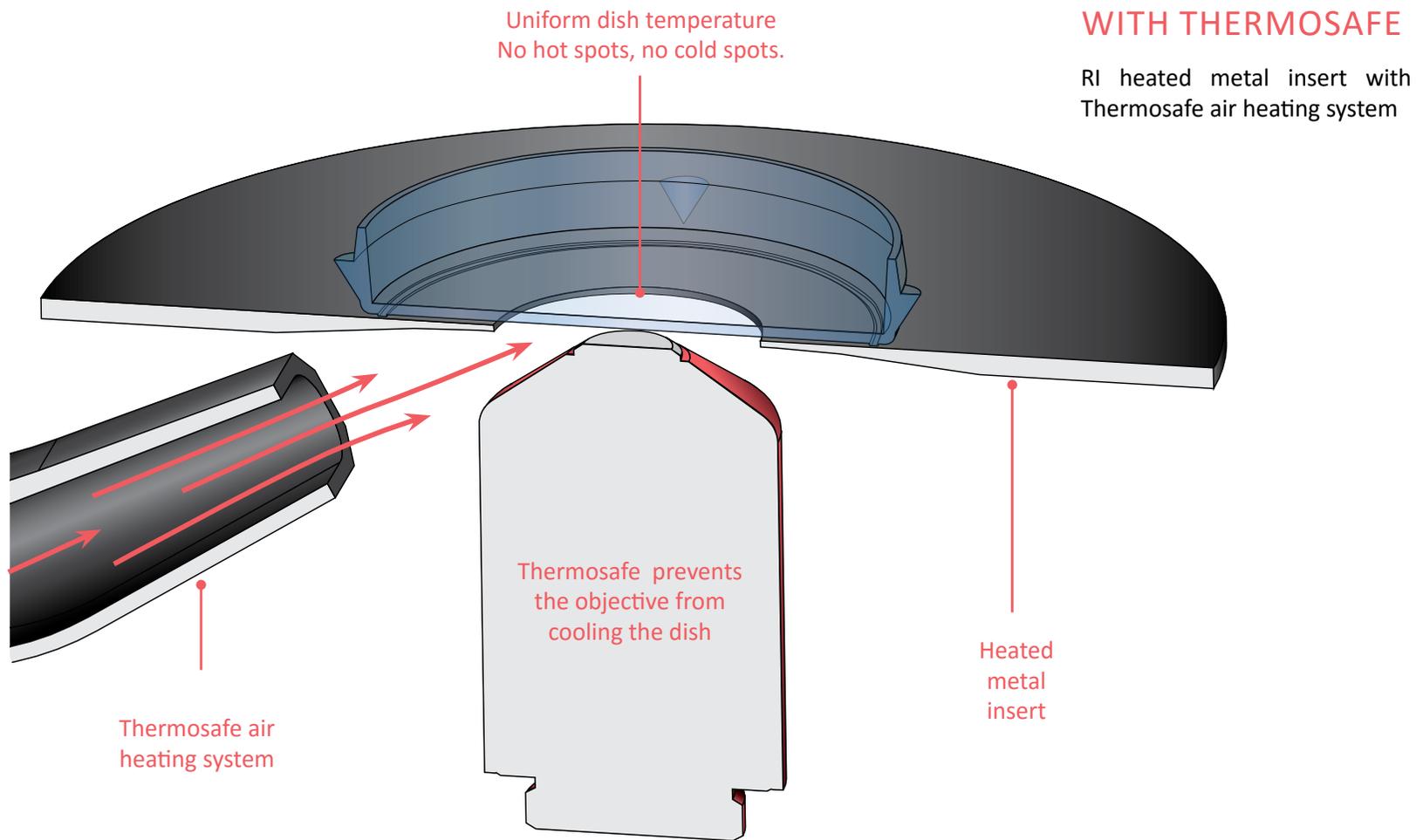
Every detail of the Integra 3 is geared towards one goal – to ensure you create the best possible conditions for ICSI and sample manipulation

## ✓ TEMPERATURE CONTROL

Advanced temperature control in comparison with a glass ITO and metal plate without Thermosafe

## ✓ EASY TO USE

Simple touch screen controls for adjusting stage temperature





# INTEGRA 3™ FEATURING THERMOSAFE™

We recognise that temperature and time are critical within an ART lab. Integra 3 is ultra-responsive and effortlessly smooth, so it's quick and easy to use, thanks to RI's advanced mechanical design. You can change micropipettes in seconds, which can transform the efficiency of your lab overnight.

We have increased the size of the integrated heated stage by 40% but kept the footprint to a minimum to keep your work area uncluttered.

We have added a whole spectrum of other functions and features that make the Integra 3 the most intuitive and ergonomic mechanical micromanipulation system on the market.

## PRECISE & INTUITIVE CONTROL

When you perform ART micromanipulation procedures, accuracy is paramount. Integra 3 offers the finest possible movement of the XY stage and fine and coarse levers as well as a choice of oil or air syringes for the control of specimens.

## SYRINGES

The Integra 3 includes two of our SAS air syringes as standard. These syringes offer superb control and eliminate the need for oil. Also available is the SAS-SE for superfine air control, or our SOS oil syringe with a quick fill feature for minimum set-up time.

## RI VIEWER™ SOFTWARE

You can use the Integra 3 without a computer or camera. However, if you connect it to a computer, we can supply RI Viewer software. With RI Viewer you can use the shortcut keys.

Enjoy sharp full screen imaging from the microscope, with digital magnification and a modern, clean user interface. It also offers line measurement tools and a built-in simulator for training and demonstration purposes. RI Viewer also allows you to synchronise with Saturn Laser and IMSI systems.

## ✓ MOTION-TRIGGERED LIGHT

A motion triggered light illuminates under the stage as soon as it detects your hand, to help you see when changing objectives

## ✓ SHORTCUTS

If you need to keep track of samples or procedures, just hit the shortcut buttons to film or photograph any stage of the process. There is a counter button and an on-screen stopwatch as well

## ✓ SAFE

Stage temperature control status indicator light and alarm monitors every second of the process. A log is kept of every alarm triggered

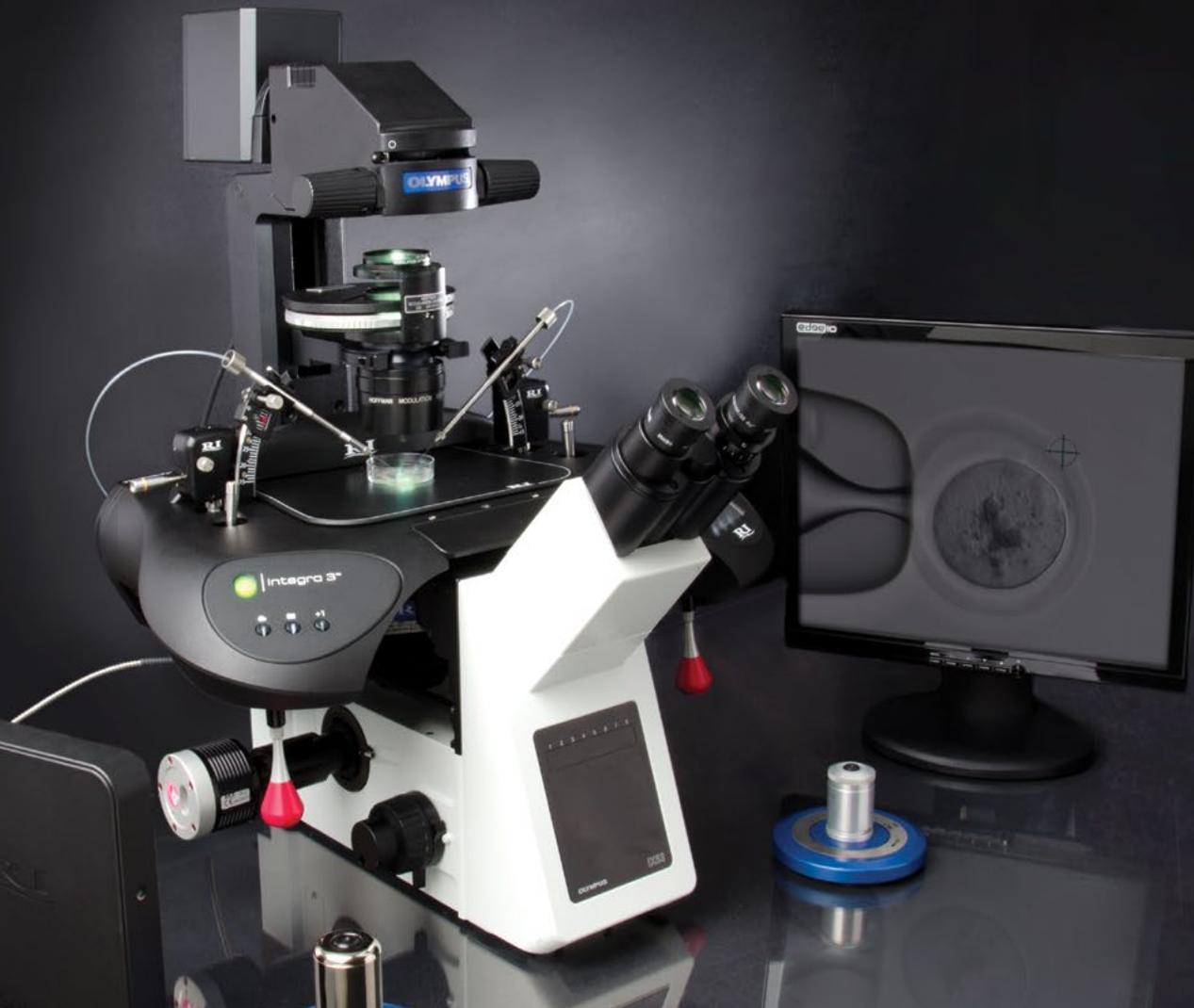
“By far the best new feature is the warm air flow through the central plate – which means your dish can maintain the correct temperature throughout the procedure. The egg counter feature has also been a blessing in large cases.”

**Sophie Bird**  
Guy's and St Thomas', UK





# INTEGRA 3™ FEATURING THERMOSAFE™



## GREAT BRITISH QUALITY

The Integra 3 is built at our high-tech factory in the South West of England. We have made thousands of micromanipulators since the early sixties, each one assembled under the diligent eyes of the designers who developed them. Our commitment to quality, durability and reliability has been there since day one. This is why our Integra has proven to be the micromanipulator of choice for ART clinics worldwide.

“An air warming system improves temperature stability during gamete and embryo micromanipulation procedures.”<sup>1</sup>

**Stacy Wheat**  
Cambridge IVF, UK

<sup>1</sup>Wheat, S. 2013. Can temperature stability be improved during micromanipulation procedures by introducing a novel air warming system? Cambridge IVF, Cambridge - available on request

✓ COLOUR TOUCH SCREEN

3.5 inch touch screen display showing temperature, stopwatch and counter. The electronic height indicators track the vertical position of the toolholders

✓ INTEGRATED

Large built-in mechanical XY stage plus temperature controllers with easy access buttons and touch screen

## MICROSCOPE COMPATIBILITY

Nikon	TMD,
	Diaphot 200/300,
	TE200/300, TE2000,
Ti	
Leica	DMIRB,
	DMI3000B/4000B/6000B,
	DM IL, DMi8
Olympus	IMT2,
	IX50/70, IX51/71/81,
	IX53/73/83
Zeiss	Axiovert 40/100/200, Axio Observer, Axio Vert.A1



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