

## I53 Injector 7400

Dosing Pump Accessory for all  
RKD Elite Etch Models

### *The solution to silver wire decapsulation*



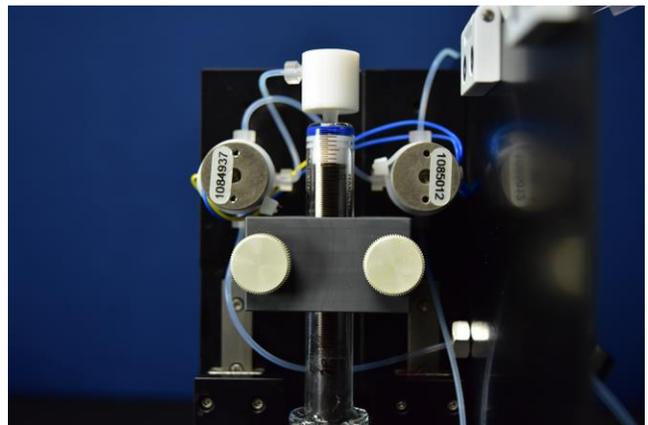
The **I53 Injector 7400** is used to introduce low volumes of a solution into the acid stream of Elite Etch decapsulators. This solution is designed to create a more effective etching process and to prevent metal loss with samples that have silver alloy wires. The system is compatible with other custom corrosion inhibitors which can be formulated for other wire systems. The **I53 Injector** contains a 250 ml source bottle with double containment and leak detection. A single, small diameter, PTFE tube transfers the solution to the

Elite Etch system. An injector block installed between the pump and heat exchanger of the Elite Etch and injects the solution into the acid stream. All components are PTFE, PCTFE, or borosilicate glass.

On an existing Elite Etch system, the **I53 Injector** can be easily installed using a new cable connected from the **I53** to the Elite Etch. The existing handheld is now directly plugged into the **I53** and does not require any special software for the etcher. The only modification to the etcher is the installation of the injector block and the routing of the solution tubing through the bottle box and into the **I53**.

When solution injection is selected from the handheld a set up cycle is initiated. This cycle fills the syringe pump and all of the tubing to, and including, the injector block. This cycle purges any excess solution to the waste bottle and prepares for etching with corrosion inhibiting solutions.

The injection of the inhibitor is initiated by selecting the appropriate operation recipe. The programming screen has a selection of the ratio with a range of 20:1 to 40:1. The injection ratio programmed applies to both etching and rinse. The syringe contains approximately 5 ml and the syringe and syringe plunger are easily replicable.



## Specifications

<b>Dimensions</b>	Height: 230 mm (9 in)
	Width: 230 mm (9 in)
	Depth: 127 mm (5 in)
<b>Weight</b>	Approx. 16 kg (35 lb)
<b>Power Source</b>	90 to 250 VAC, 50 to 60 Hz (4 amp)
<b>Syringe Type</b>	Hamilton gas tight 5 ml capacity
<b>Resolution</b>	0.1323 $\mu$ l
<b>Cycle Volume</b>	0.0025 to 0.005 ml programmable
<b>Mix Ratio</b>	20:1 to 40:1
<b>Dispense Accuracy</b>	$\pm$ 3%, $\pm$ 0.14 $\mu$ l
<b>Refill Cycle Time</b>	60 second maximum
<b>Source Bottle Size</b>	250 ml
<b>Compatibilities</b>	Elite Etch 7000
	Elite Etch Cu 7100
	Elite Etch Cu ESD 7200
	Mega Etch 7300
<b>Warranty</b>	most comprehensive and inclusive warranty in industry (ask for full details)