

# MRI Service Tools

Designed for the  
**Solution** 



Automated Superconductive GE  
Shim Power Supply

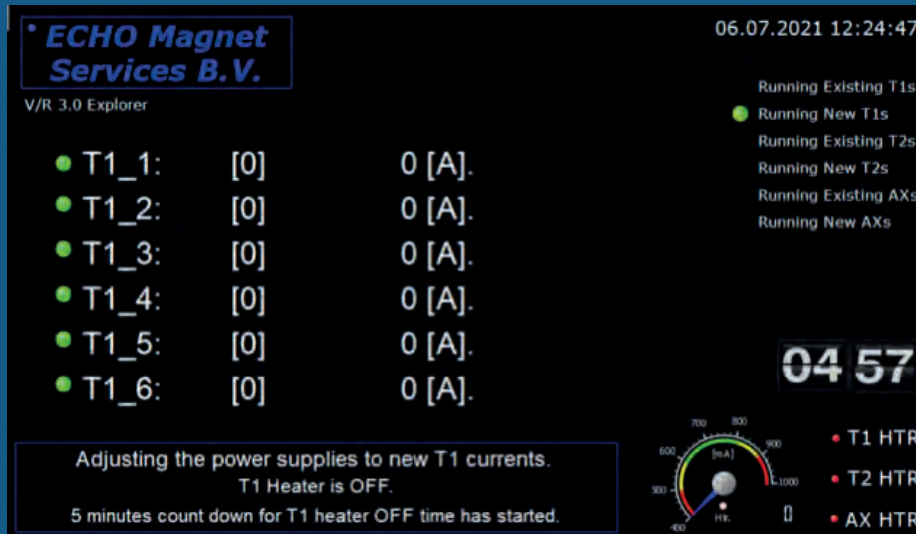
## Explorer

Automated Superconductive GE  
Shim Power Supply

**EC+HO**<sup>®</sup>  
ECHO Magnet Services B.V.

+31 20 210 34 90  
Warehouse :  
5705AA Middendijk 5A Helmond  
- The Netherlands

[www.echomagnetservices.com](http://www.echomagnetservices.com)



Total cycle depends on the current change on the iteration. Manual control is available if desired.

Explorer is designed to use with GE Active Shim magnets. It is the combination of 6x20A power supply, heater power supplies with uP controller and unique touch screen user interface. uP controller allows user to enter each current by a numeric keypad on the touch screen. When total of 16 currents entered ( T1, T2 and Ax ) , with confirmation of the user, uP starts injecting the currents to dedicated superconductive coil automatically.

## Automated Mode

Automated mode allows user to minimize the shimming time and avoid dialing mistakes.

## 20A Current Out

6ch 20A, power supplies provide exact specifications required by OEM

## Programmable

Programmable architecture let us to upgrade the unit with new software releases.

## User Interface

Easy to use 10" touch screen and graphical user interface makes the difference. It is as easy as clicking buttons.

## Remote Connections

Build in VNC remote connection allows remote shimming, diagnostics and trainings.

## Specifications

Input voltage / freq	-	200-240VAC (50/60Hz)
No of Phase	-	3 Phase + 1 Protective Ground
Input current	A	10A max
Power Factor	-	0.88 Passive
Input protection	-	Circuit Braker
Phase Imbalance	%	< %5 on Three Phase Input
Output noise		
p-p c.v	mV	60
Ripple r.m.s. c.v	mV	20
Max Ripple	mA	%0.01
Max Curren Out		
Shim PS	A	20
Number of channels	-	6
Max Current Out		
Heater PS	mA	1A
Cooling		Fan driven, air from Front to Rear
Weight	Kg	152
Dimensions	WxDxH (mm)	580x1000x910
Construction		Mounted in a flight case with 4 wheels underneath
Front Panel		10" Touch Screen
Rear Panel		Line in, Current out, Heater out, Circuit Braker