

## Technical Specifications:

Model: VXH	5 kW	10 kW	25 kW	50 kW
Output Frequency	100 - 440 kHz	100 - 440 kHz	100 - 440 kHz	100 - 440 kHz
Load Q for Max. Power	Up to 50	Up to 50	Up to 50	Up to 50
Coil Inductance Range	0.2uH - 2uH	0.2uH - 2uH	0.2uH - 2uH	0.2uH - 2uH
Max. Output Voltage	500V/1000V*	500V/1000V*	500V/1000V*	500V/1000V*
Max. Output Current	700A	1000A	1600A	2400A
Max. Capacitor Qty.	8	8	8	8
Cabinet Dimensions Width x Depth x Height (mm)	21 x 15.5 x 14.25 (534 x 394 x 362)	21 x 15.5 x 14.25 (534 x 394 x 362)	21 x 15.5 x 14.25 (534 x 394 x 362)	21 x 15.5 x 14.25 (534 x 394 x 362)

Input Line Voltage	240V 1φ	240V 3φ	480V 3φ	240V 3φ	480V 3φ	240V 3φ	480V 3φ	480V 3φ
Input Line Current	40A	15A	7A	30A	15A	75A	20A	40A
Power Factor	0.6	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Overall Efficiency	90%	92%	93%	92%	93%	92%	93%	93%

\* 500V/1000V (achieved with optional voltage doubler kit.)

\*\* Model VXL (20 - 60 kHz) to arrive December 2011. Model VXM (50 - 150 kHz) to arrive February 2012.

\*\*\* All specifications are subject to change without notice.



### Major Benefits associated with the Radyne Solution:

- Induction heating delivers a major reduction in energy consumption.
- Less heat is required accompanied by lower noise levels.
- Precise, repeatable, and efficient heating.



### Induction Heating Solutions

- Brazing & Soldering • Crystal Growing • Curing & Coating
- Fiber Optics • Forming • Heat Treating • Wire, Cable & Strip Processing
- Pipe Heating & Coating • Shrink fitting • Process, Research, & Development
- Resistance Heating • Billet Heating • Dielectric Heating

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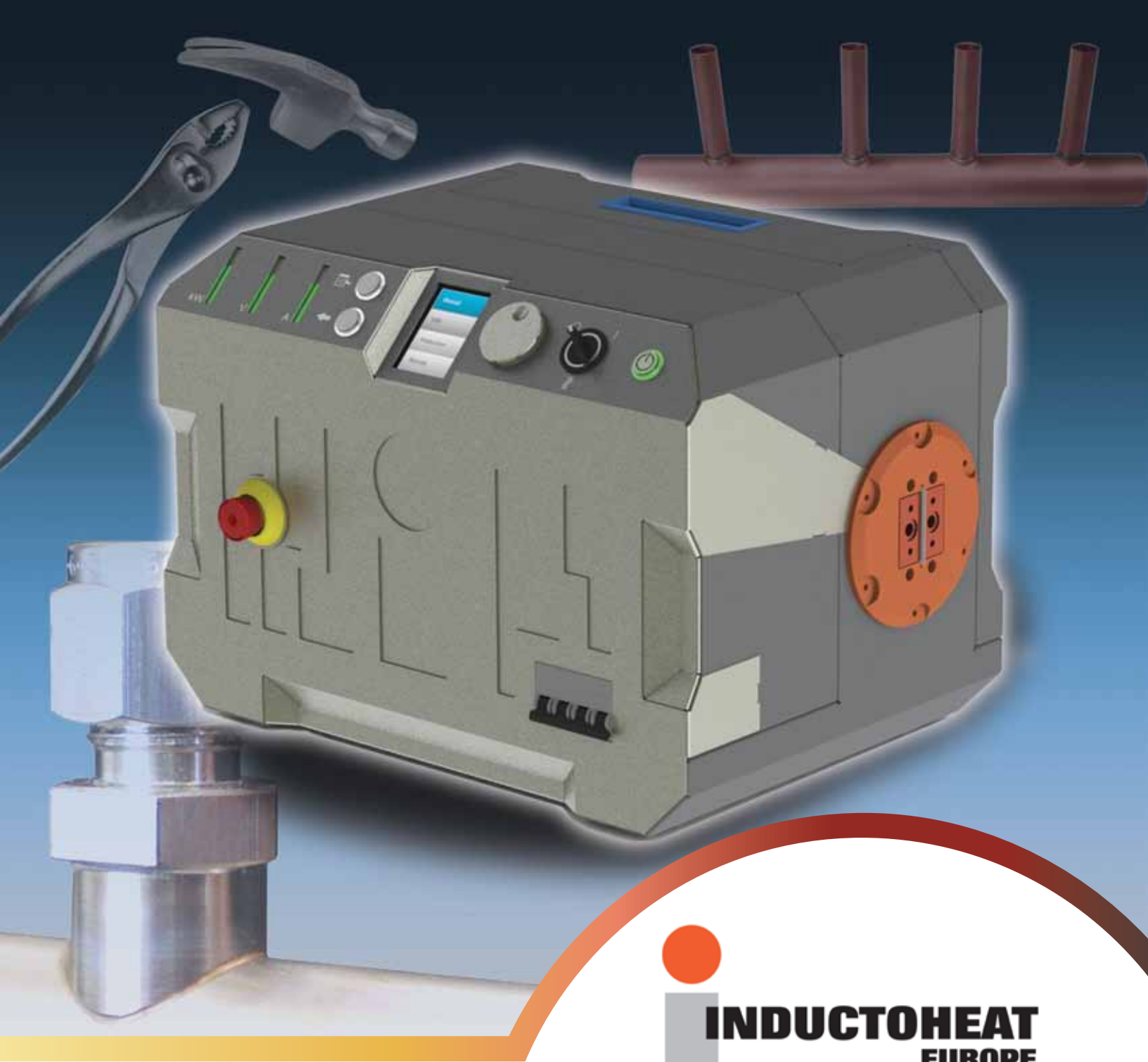
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**INDUCTOTHERM  
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Leading Manufacturers of Melting, Thermal Processing and  
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 **INDUCTOHEAT**  
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## **VersaPower**® **Xtreme**™

Compact, Ultra-High Performance Induction Power Supply Family



# VersaPower<sup>®</sup> Xtreme<sup>™</sup>

Compact, Ultra-High Performance Induction Power Supply Family

Radyne proudly introduces a revolution in Induction Power Supply design with the all new, premium model **VersaPower' Xtreme** featuring Radyne's **Digital iQ** Inverter Controls, that will change the way you think about induction heating.

## Simplicity by Design

The new sleek design provides for more efficient internal component placement, that increases strength and durability in harsh plant environments, while reducing overall weight. The ergonomic design supports unparalleled ease of use with ready access to tuning caps and tap settings adjustable without tools.



## Fast, Unmatched Heating Accuracy

A responsiveness never seen before, ultra-fast, 0-100% in <1 msec. puts this continuous frequency, high-end unit in a class of its own. Ultra-high accuracy makes this solid-state power supply ideally suited for: **Brazing, Joining, Shrink-fitting, Hardening, Tempering, Annealing, Forming** and much more.

This unit tells your customers that you have the very best equipment and capabilities in your process.



Manual Mode	
80%	Power
500 V	Voltage
70 A	Current
Power	3.994 kW
Voltage	247.42 V
Current	53.59 A
Freq	346620 Hz
Time	03:15.15
Limit	Power
Heat	ON

### Advanced Controls Delivering Xtreme Performance

- Radyne's VersaPower® Control Board with **Digital iQ** technology offers a new level of precision for induction heating.
- **Digital iQ** monitors voltage, current, power delivery, and load characteristics in real time resulting in unparalleled responsiveness.
- **Digital iQ** allows simultaneous regulation to user defined power, voltage, and current set-points. This makes the system very easy to use, eliminating the trips associated with traditional induction power supplies.

### Additional Features / Benefits:

- Multi-language interface capability.
- 100% duty cycle rated.
- Input power factor is 0.95 under all operating conditions for 3 phase input units.
- Demand rated water flow monitoring & alerts.
- The easiest to use resonant inverter ever!
  - Easy access tap and cap changes.
- Remote control for modern PLC interfacing.

