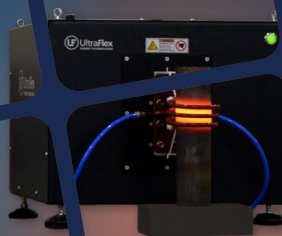
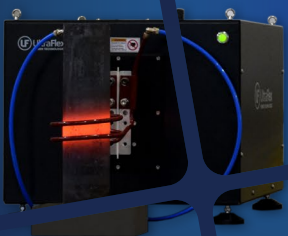


INDUCTION[®] HEATING SYSTEMS



SBT Series – 3kW / 700-1200kHz, High-Frequency Induction Heating Systems



Model	Output Power	Frequency Range	AC Line Voltage	Remote Heat Station
SBT-3/1200	3 kW	700-1200 kHz	230V, 1 Phase	HSB-3

High-frequency systems tailored for precision heating or soldering of very small parts. Engineered with adaptive digital phase control ensures a seamless operation across a wide frequency range. The versatile SBT3 generators seamlessly integrate into both manual operations and automated production systems, offering unparalleled flexibility for diverse industrial applications.

S Series – 2-5 kW / 30-400 kHz, Water-Cooled Induction Heating Systems



Model	Output Power	Frequency Range	AC Line Voltage	Remote Heat Station
SMT-2/200	1/2 kW	30-200 kHz	110/230V, 1 Phase	HS-4W
SHT-2/400	1/2 kW	100-400 kHz	110/230V, 1 Phase	HS-4W
SM-5/200	5 kW	30-200 kHz	230V, 1 Phase	HS-4W
SMT-5/200	5 kW	30-200 kHz	230V, 1 Phase	HS-4W

Light, water-cooled induction heating systems. SMT and SHT models feature an advanced 5”LCD touch screen with multiple programs, temperature control and diagnostics features.

S-Air Series – 2-4 kW / 20-100 kHz, Air-Cooled Induction Heating Systems



Model	Output Power	Frequency Range	AC Line Voltage	Remote Heat Station
SMT-2A AIR	2 kW	20-100 kHz	110/230V, 1 Phase	HS-4AN
SMT-5A AIR	4 kW	20-100 kHz	110/230V, 1 Phase	HS-4AN

The S Series air-cooled power supplies provide compact and versatile solutions for a variety of heating applications. With a built-in PLC interface and closed-loop temperature control, they seamlessly integrate into manual, semi-automated, or fully automated manufacturing processes

Solo and Solo Air Series – 12-32kW / 3-400kHz, Innovative Induction Heating System



Model	Output Power	Frequency Range	AC Line Voltage	Remote Heat Station
SOLO10/12W	12 kW	40-200 kHz	230/380/480V, 3 Phase	HS-24W
SOLO12H	12 kW	150-400 kHz	230V, 3 Phase	HS-16H
SOLO16W	16 kW	40-200 kHz	380/480V, 3 Phase	HS-24W
SOLO16H	16 kW	150-320 kHz**	380/480V, 3 Phase	HS-16H
SOLO24W	24 kW	40-200 kHz	380/480V, 3 Phase	HS-24W
SOLO32W	32(25*)kW	40-150 kHz	380/480V, 3 Phase	HS-32W
SOLO32M	32(25*)kW	15-50 kHz	380/480V, 3 Phase	HS-32M
SOLO32L	32(25*)kW	3-30 kHz	380/480V, 3 Phase	HS-32L
SOLO24 AIR	24 kW	5-25 kHz	380/480V, 3 Phase	HS-32A
SOLO32 AIR	32 kW	5-25 kHz	480V, 3 Phase	HS-32A

*Derated if operating at 380-400VAC Line Voltage

**Derated to 320kHz above 12kW

SOLO series units harness the efficiency of silicon carbide transistor technology and deliver high power output while having small size and footprint. Air-cooled power supply simplifies maintenance and operation. The standard PLC interface and process control features make SOLO a great choice for automated manufacturing.

Solo UBraze Series – 12-24kW / 64-150kHz, Mobile Brazing Systems



Model	Output Power	Frequency Range	AC Line Voltage	Remote Heat Stations
SOLO12	12 kW	64-150kHz	230V, 3 Phase	HS-24B
SOLO16	16 kW	64-150kHz	380/480V, 3 Phase	HS-24B
SOLO24	24 kW	64-150kHz	380/480V, 3 Phase	HS-24B

UBraze is a compact hand-held induction brazing system that is used as an environmentally friendly and safe alternative to the flame brazing torch. The accurate energy control allows you to work with precision and to accurately determine the time and power needed to braze each joint.

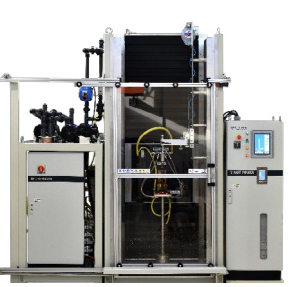
Dragon RoboStand – 16-24kW / 50-150kHz, Automated Brazing Systems



Model	Output Power	Frequency Range	AC Line Voltage	Reach Radius
Robo Stand5	24 kW	40-200kHz	380/480V, 3 Phase	up to 85 cm / 33.5 in
Robo Stand10	24 kW	40-200kHz	380/480V, 3 Phase	up to 130 cm / 51.2 in

The Dragon series automates and consistently brazes multiple joints positioned at predefined locations within an assembly. The robotic system is pre-programmed to move to each joint and apply power for a predetermined time, ensuring a repeatable and reliable brazing process. Moreover, it offers the option to be equipped with a vision system capable of recognizing various assemblies and accurately positioning the brazing coil at each joint.

SmartScan™ – 50-400kW, Induction Heat Treating Scanner



Model	Output Power	Frequency Range	AC Line Voltage	Scanning Length	Rotation Speed (max), RPM
SmartScan™	50-400 kW	5-250 kHz	380/480V, 3 Phase	150 cm / 59 inch	200
SmartScan™ Mini	50-400 kW	5-250 kHz	380/480V, 3 Phase	15 cm / 6 inch	150

SmartScan™ is a flexible and versatile induction heat-treating scanner designed to perform various heat-treating processes, including hardening, quenching, tempering, and normalizing. It offers the option to operate as a single or dual spindle unit and can accommodate a wide range of part sizes and weights.

SmartPower™ – 50-400kW / 6-200kHz, Induction Modular Compac System



Model	Output Power	Frequency Range	AC Line Voltage	RF Outputs
USPC-1-M/XX*	50-200 kW	6-60 kHz	380/480V, 3 Phase	Single
USPC-2-M/XX*	50-200 kW	6-60 kHz	380/480V, 3 Phase	Dual
USPC-4-M/XX*	50-200 kW	6-60 kHz	380/480V, 3 Phase	Quad
USPCD-1-M/XX*	250-400 kW	6-60 kHz	380/480V, 3 Phase	Single
USPC-1-W/XX*	50-200 kW	40-200 kHz	380/480V, 3 Phase	Single
USPC-2-W/XX*	50-200 kW	40-200 kHz	380/480V, 3 Phase	Dual
USPC-4-W/XX*	50-200 kW	40-200 kHz	380/480V, 3 Phase	Quad
USPCD-1-W/XX*	250-400 kW	40-200 kHz	380/480V, 3 Phase	Single

* The SmartPower™ systems are built with 25kW modules that can be configured from 50kW to 400kW and 6kHz to 200kHz

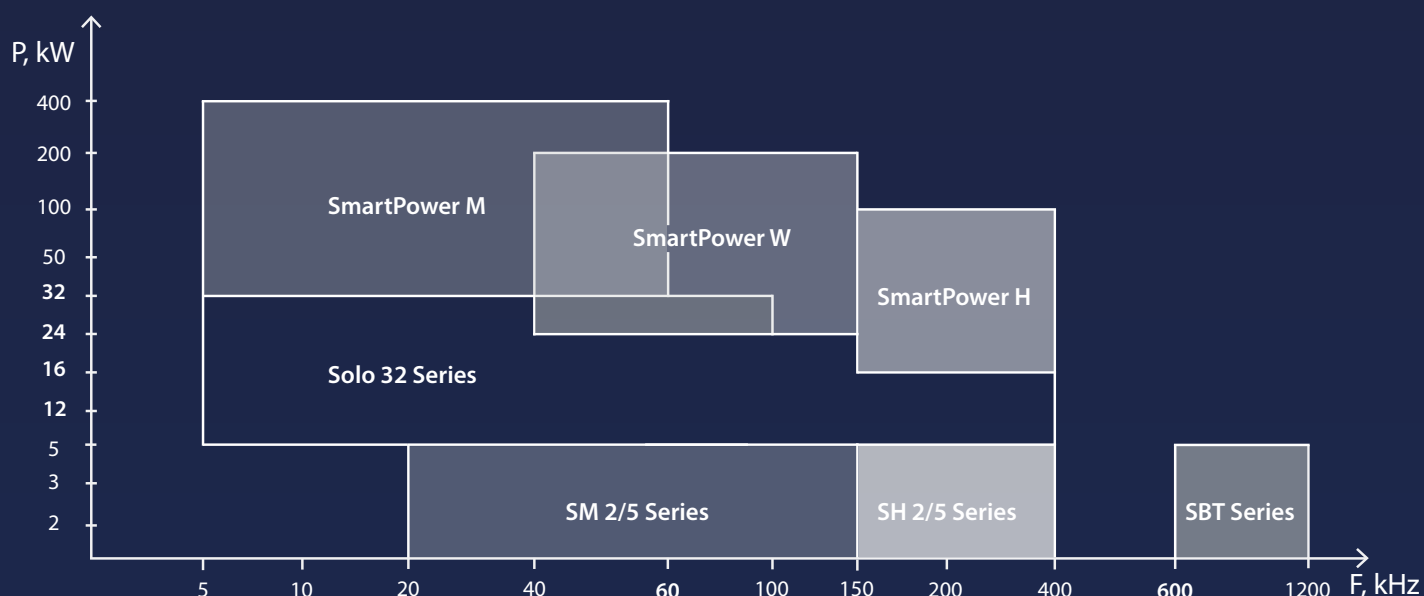
Our patented modular induction heating power supply utilizes the latest SiC semiconductors and Direct Digital Step Power Control technology. The modular design enables easy upgrades to higher power levels and offers the flexibility of multiple outputs within a single cabinet.

About UltraFlex Power Technologies

UltraFlex Power Technologies, a New York based corporation, provides induction heating, melting, and casting systems worldwide.

UltraFlex offers the most advanced and innovative digitally-controlled induction heating technology in the industry. The flexible output circuits and adaptive tuning power supplies feature the widest load matching and frequency ranges on the market. This ensures varying load conditions can be precisely matched to the equipment, which maximizes operating efficiency, process control and reliability.

For OEMs, UltraFlex offers full systems, power supplies, modules, or components to best meet the requirements for an integrated equipment solution. The UltraFlex engineering team has extensive technical expertise in power electronics design, including the development of custom systems for induction heating and power electronics applications.



Contact Us:

USA Headquarters

10 Colt Court, Ronkonkoma, New York 11779

Tel: +1 631 467 6814
sales@ultraflexpower.com

Europe

154 Tsvetan Lazarov Blvd., 1582 Sofia, Bulgaria

Tel: +359 2 480 2000
eusales@ultraflexpower.com

USA West Coast

Apple Valley, CA

Tel: +1 760 246 7333
sales@inductiontech.com

Europe, Middle East – Turkey

Istanbul, Turkey

Tel: +90 533 650 3139
eusales@ultraflexpower.com

Asia – India

Ahmedabad, Gujarat State, India

Tel: +91 962 400 9994
india@ultraflexpower.com

South America

Manizales, Columbia

Tel: +57 311 723 6375
southamerica@ultraflexpower.com



www.ultraflexpower.com

April 2024