

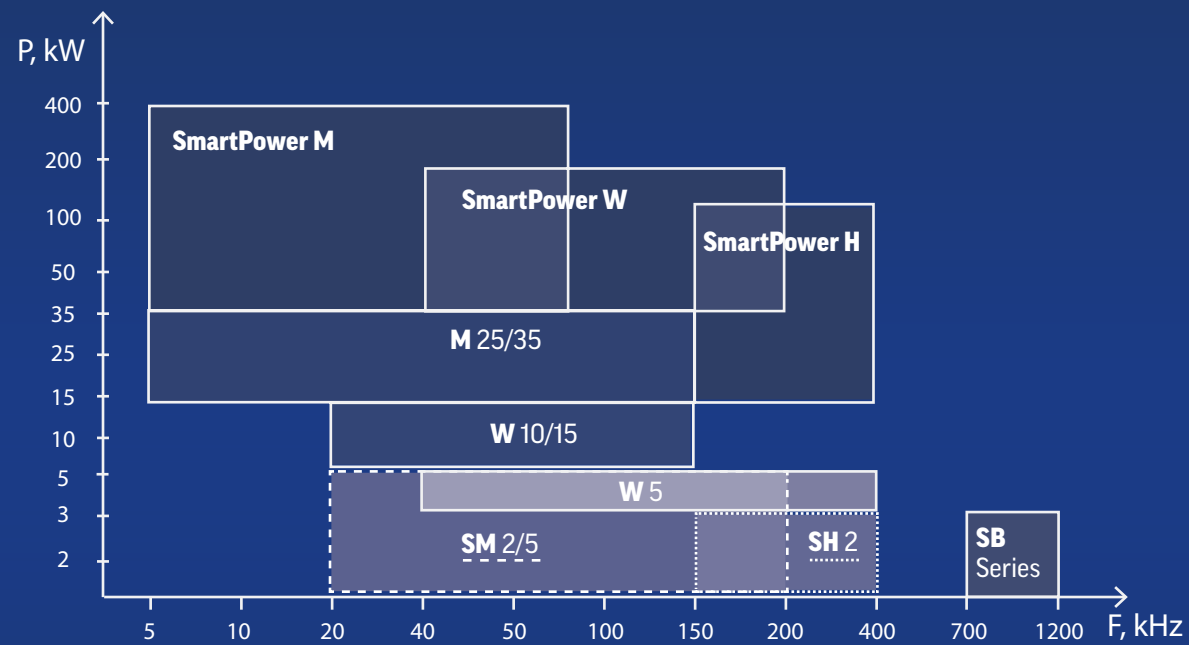


About Ultraflex Power Technologies

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.



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INDUCTION[®] HEATING PRODUCTS



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Ultraflex Power Technologies

SB Series – High Frequency, 1.0 MHz/3kW



Power Supply Model	Output Power	Frequency Range	AC Line Voltage	Remote Heat Station	
SB Series	SB-3/1000	3 kW	700-1200 kHz	230V, 1 Phase	HSB-3

High frequency system suitable for heating, melting or soldering very small parts.

Applications: Soldering, brazing, wire heating and melting, heating thin films and small parts in tight spaces.

S-Air Series – Air Cooled, 2-5kW/20-100kHz



Power Supply Model	Output Power	Frequency Range	AC Line Voltage	Remote Heat Station	
S-Air Series	SM-2/200	2 kW	20-100 kHz	110/230V, 1 Phase	HS-4AN
	SM-5/200	5 kW	20-100 kHz	230V, 1 Phase	HS-4AN
	SMT-2/200	2 kW	20-100 kHz	110/230V, 1 Phase	HS-4AN
	SMT-5/200	5 kW	20-100 kHz	230V, 1 Phase	HS-4AN

Light, completely air-cooled units. No water cooling system required.

SMT models featuring advanced 5" LCD touch screen with multiple programs, temperature control and diagnostics features.

Perfect for low temperature applications (T<500°F/260 °C)

Applications: Sealing, fatigue testing, bonding, curing, shrink fitting.

S Series – Universal, Small Size, 2-5kW/30-400kHz



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

Compact, air-cooled power supplies with water cooled remote heat stations

Advanced 5" LCD touch screen with multiple programs, temperature control, cycle energy monitor, data collection and diagnostics features.

Applications: soldering, brazing, bonding, curing, shrink fitting, annealing, catheter tipping, sealing, susceptor heating and more.

W Series – Wide frequency range, 5-15kW/20-400kHz



Power Supply Model	Output Power	Frequency Range	AC Line Voltage	Remote Heat Station	
W Series	W5/400	5 kW	40-400 kHz	230V, 3 Phase	HS-n5
	W10/150	10 kW	50-150 kHz	230V, 3 Phase	HS-8
	W10E/150	10 kW	50-150 kHz	380/480V, 3 Phase	HS-8
	W15/150	15 kW	50-150 kHz	380/480V, 3 Phase	HS-8
	W15/100	15 kW	20-100 kHz	380/480V, 3 Phase	HS-8LF

Versatile, wide frequency range power supplies with remote heat stations.

Flexible and reliable systems suitable for a variety of induction heating applications or research and development purposes.

Applications: soldering, brazing, bonding, heat treating, metal forming, shrink fitting, annealing, pre-heating, susceptor heating and more.

M-Air Series – Mobile, Air Cooled, 8-25kW/5-50kHz



Power Supply Model	Output Power	Frequency Range	AC Line Voltage	Remote Heat Stations	
M-Air Series	M8/50-AC	8 kW	10-50 kHz	380/480V, 3 Phase	Internal
	M12/50-AC	12 kW	10-50 kHz	380/480V, 3 Phase	Internal
	M25/25-AC	25 kW	5-25 kHz	380/480V, 3 Phase	Internal

Air-cooled induction heating units. No water cooling system required.

Mobile systems with integrated heat station, suitable for moving it around the shop and performing multiple jobs. Works with flexible, dry cable coils.

Applications: Pre-heating before welding, stress relieving, shrink fitting, tools and molds heating.

U-Braze Series – Manual or Automated Brazing, 5-15kW



Power Supply Model	Output Power	Frequency Range	AC Line Voltage	Remote Heat Stations	
U-Braze 10	W-10E/150	10 kW	50-150 kHz	380/480V, 3 Phase	U-Braze 2 hand-held
U-Braze 15	W-15/150	15 kW	50-150 kHz	380/480V, 3 Phase	U-Braze 2 hand-held
Dragon 15	W-15/150	15 kW	50-150 kHz	380/480V, 3 Phase	Robo-Braze
U-Braze 5	SM-5/200	5 kW	30-200 kHz	230V, 1 Phase	U-Braze 2 hand-held

Provide efficient and repeatable heat for variety of brazing and soldering applications.

Suitable for hand-held brazing, fully automated or robotic brazing for high-volume production.

Applications: Brazing of copper, steel, brass or aluminum parts. Perfect for HVAC assemblies, heat exchangers, high volume brazing operations.

M Series – Flexible, Universal, 25-35kW/5-150kHz



Power Supply Model	Output Power	Frequency Range	AC Line Voltage	Remote Heat Station	
M Series	M25/50	25 kW	5-50 kHz	380/480V, 3 Phase	HS35-LF
	M25/150	25 kW	50-150 kHz	380/480V, 3 Phase	HS-35
	M35/50	35 kW	5-50 kHz	380/480V, 3 Phase	HS35-LF
	M35/150	35 kW	50-150 kHz	380/480V, 3 Phase	HS-35

Reliable and easy to use power supplies with remote heat stations.

Flexible, tunable systems used in a variety of induction heating applications or research and development purposes.

Applications: Heat treating, brazing, bonding, metal forming, fasteners and wire heating, shrink fitting, annealing, pre-heating, susceptor heating and more.

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



Power Supply Model	Output Power	Frequency Range	AC Line Voltage	RF Outputs	
SmartPower™ Compac	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
	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
	USPC-1-H/XX*	40-160 kW	150-400 kHz	380/480V, 3 Phase	Single
	USPC-2-H/XX*	40-160 kW	150-400 kHz	380/480V, 3 Phase	Dual

* The SmartPower™ systems are built with 25kW modules that can be configured from 40kW to 200kW and 6kHz to 400kHz

Innovative, breakthrough technology utilizing the newest SiC semiconductors and patents pending Direct digital step power control.

Modular design can be configured to deliver power between 40kW and 200kW in 20/25kW steps and in three wide frequency ranges.

Can be configured to operate with a single output or multiple, individually controlled outputs from one cabinet.

Applications: Heat treating, brazing, metal forming, melting, pipe and wire heating, shrink fitting, annealing, pre-heating, susceptor heating and more