

Technical Instruction

Ultrasonic System Advanced Series



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MP SONIC ULTRASONIC SYSTEM MSP-AS SERIES

MP Sonic Advanced ultrasonic system is designed for industrial application with high requirement. System is designed with data management system and communication system for the integration system design of production equipment line.

MP Sonic ultrasonic system is PLL design for stability of power output. MP Sonic anti-resonance ultrasonic system achieves strong ultrasonic output under high loading. System HF control is 1 to 4 designed which means one generator can control max 4 sets of welding units (means 4 PCs of converter) in the same frequency range.

This system can be applied for ultrasonic staking or ultrasonic spot welding to plastic, or ultrasonic cutting, punching, scoring, etc.

MSP-AS Series





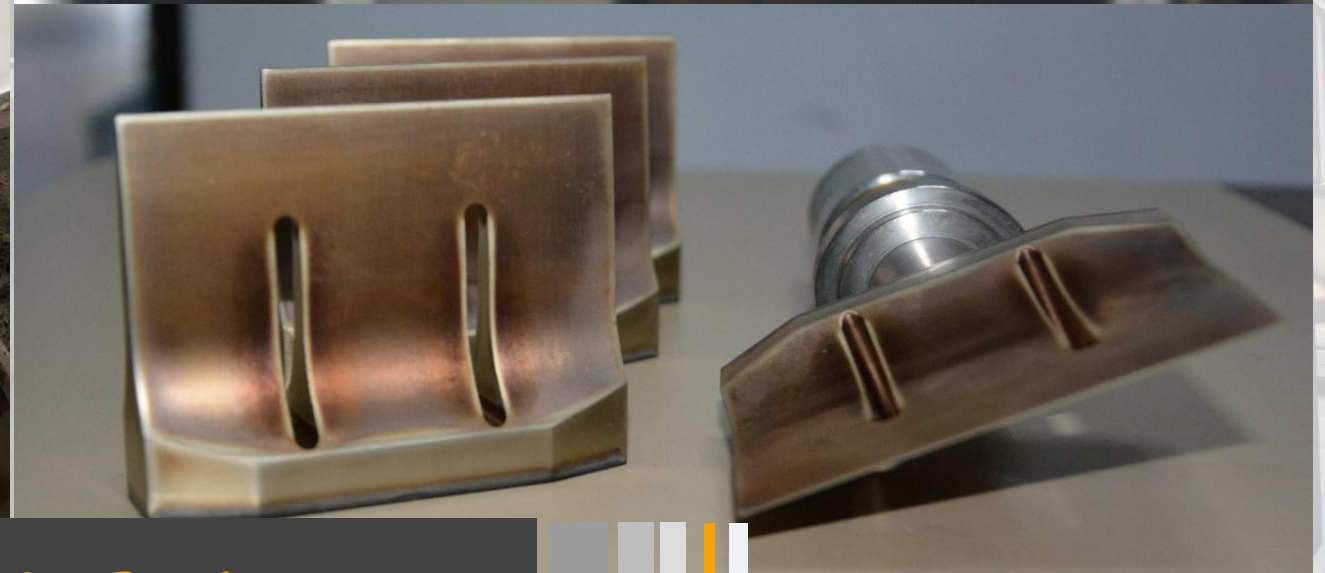
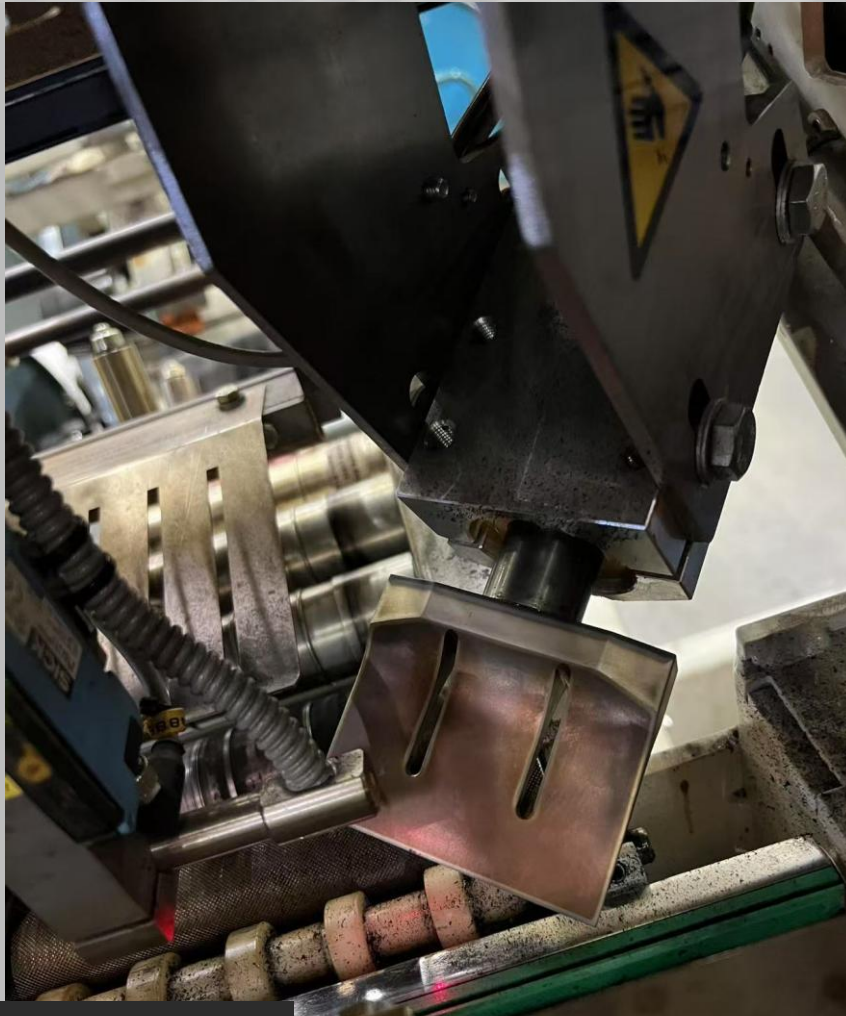
BENEFIT OF MACHINE:

- Multiple Application
- 1 to 4 RF Control: One generator can control 4 converters;
- Anti-resonance Designed, strong in welding ability;
- PLL Technology, Reliable in quality;
- Communication Module for integration Application;
- Management-help Operation System.



MSP-P Series

Ultrasonic Cutting



MP Sonic

Ultrasonic Cutting System for Tire Cutting

www.mp-sonic.cn

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Ultrasonic cutting means applies ultrasonic energy case oscillation of cutting blade to realize fast & neat cutting. Ultrasonic cutting can be widely applied in industrial production, food production, garment production, medical & healthcare consumable production, packing, etc.

Ultrasonic cutting in advantages of efficient & easy cutting operation, high cutting ability, clean & neat cutting result, environmental protection, easily automation, etc

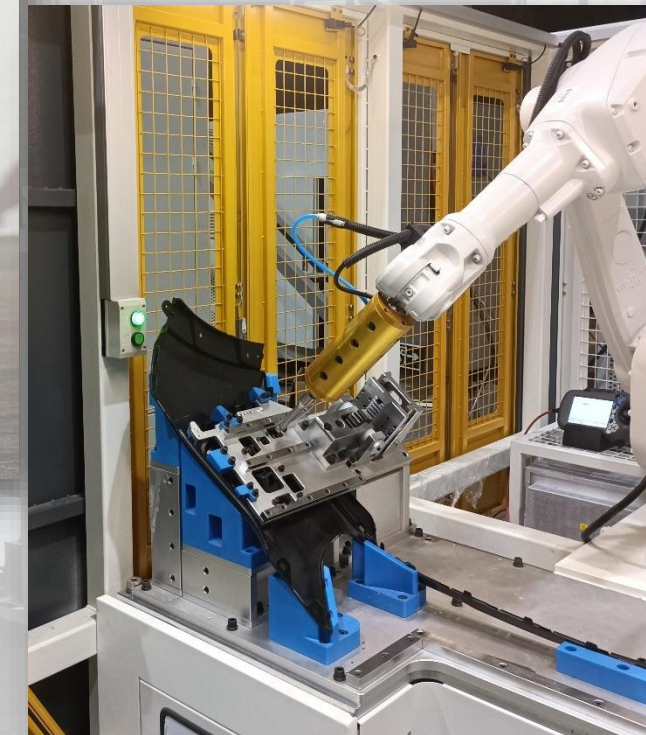
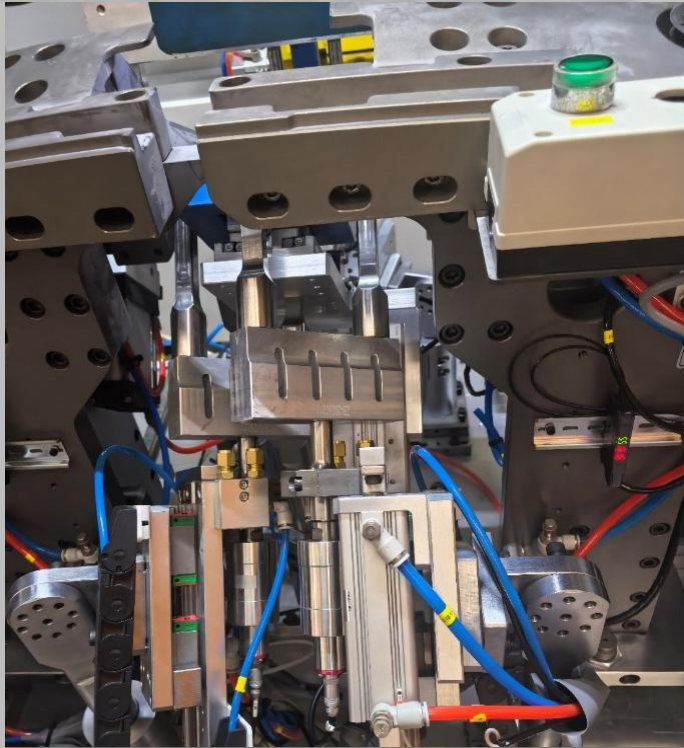
Different ultrasonic frequency and power output can be applied for cutting according to process requirement in detail. The cutting blade material can be titanium or steel which is selected according to the material to be cut and cutting result requested.

With the principle of ultrasonic cutting, ultrasonic scoring and ultrasonic punching is widely applied for industrial production process.

MP Sonic cutting system is welcomed for tire cutting, automotive bumper punching, rear-line scoring for airbag of automotive, cake cutting, fabric or nonwoven slitting, plastic parts edge trimming, etc.



Plastic Welding



MP Sonic

Ultrasonic Plastic Welding System

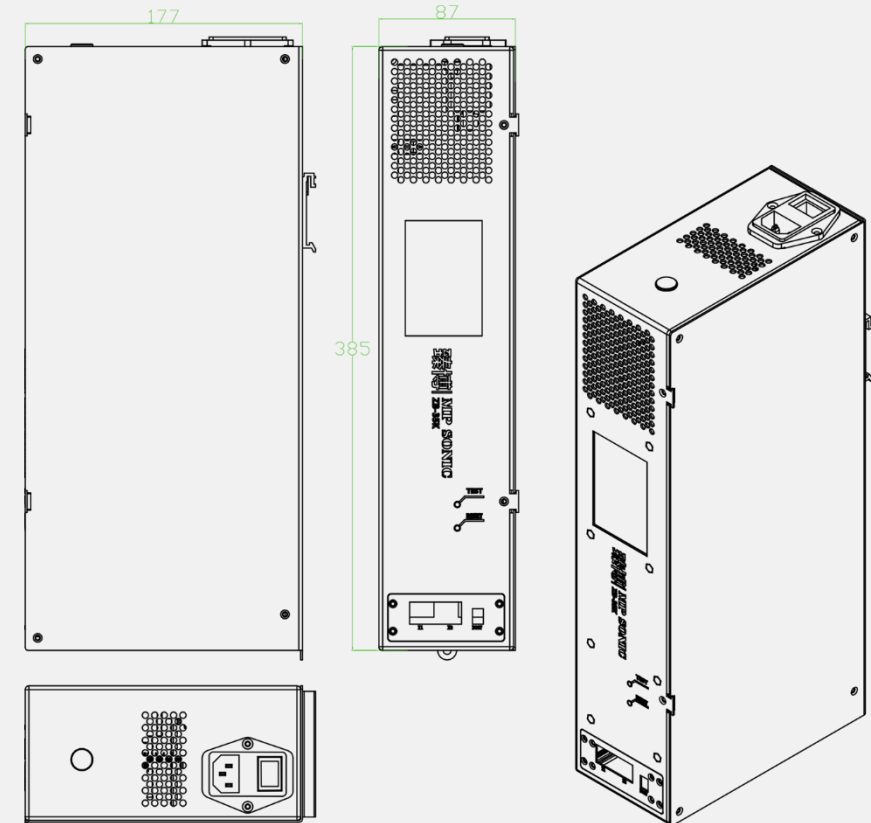
www.mp-sonic.cn

Ultrasonic plastic welding including energy director type ultrasonic welding, ultrasonic spot welding, ultrasonic staking (ultrasonic riveting). Ultrasonic welding is in advantages of high welding efficiency, high joining strength, possibility of welding in airtightness and easily realized in automation.

The specification of ultrasonic system, means the ultrasonic frequency and power output, should be selected according to the material, measurement and geometric shape design of parts to be welded.



Power Source	220V, AC, 1P, 50/60Hz			
Frequency	30KHz	35KHz	40KHz	60KHz
Power Peak Value:	1500W	1200W	800W	100W
Frequency Tuning	PLL Techniquem, intime Auto-Searching			
AMP Adjustment	10~100%, by 1%			
Communication	Profinet (or specified)			
Generator Size	W87*H385*D177 (mm)			
Generator Weight	about 14.25KG			



Technical Specification

Touch Screen



Power-in 220V

Power Switch



US HF Connect

Test & Reset

Profinet Port



Communication Cable



Critical Elements



Converter



Booster



Ultrasonic Tooling

Similar Products from MP Sonic

MPS-JS Ultrasonic Welding



Ultrasonic Actuator

Ultrasonic Generator Precision Motion
Control System Integrated;

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Controller

MP Sonic

www.mp-sonic.cn

Ultrasonic Metal Welding System

Thanks

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